

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045407.D
 Acq On : 17 Sep 2015 15:33
 Operator : FY/SY
 Sample : VF0917SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Quant Time: Sep 18 01:18:04 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	996800	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.55	114	1494248	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1329788	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.49	152	776547	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	521663	48.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.46%	
34) Dibromofluoromethane	4.05	113	569108	49.17	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.34%	
49) Toluene-d8	7.51	98	1773562	52.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.02%	
61) 4-Bromofluorobenzene	11.36	95	796065	48.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	186612	21.98	ug/l	96
3) Chloromethane	1.02	50	175370	24.13	ug/l	100
4) Vinyl Chloride	1.09	62	153115	24.58	ug/l	99
5) Bromomethane	1.26	94	79952	20.67	ug/l	99
6) Chloroethane	1.34	64	52528	21.16	ug/l	91
7) Trichlorofluoromethane	1.39	101	105336	8.24	ug/l	96
8) Diethyl Ether	1.60	74	54964	20.57	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.79	101	158438	21.54	ug/l	97
10) Methyl Iodide	1.81	142	320067	21.28	ug/l	96
11) Tert butyl alcohol	2.52	59	10360	86.13	ug/l #	79
12) 1,1-Dichloroethene	1.72	96	131430	21.51	ug/l	92
13) Acrolein	1.95	56	54754	109.85	ug/l #	80
14) Allyl chloride	2.06	41	198774	20.96	ug/l #	88
15) Acrylonitrile	2.89	53	119914	104.31	ug/l	91
16) Acetone	2.19	43	283226	116.55	ug/l	95
17) Carbon Disulfide	1.73	76	440424	21.15	ug/l	99
18) Methyl Acetate	2.30	43	203914	21.88	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	105999	22.04	ug/l	99
20) Methylene Chloride	2.14	84	134726	17.20	ug/l	87
21) trans-1,2-Dichloroethene	2.27	96	146070	21.32	ug/l	97
22) Diisopropyl ether	2.75	45	424155	20.99	ug/l #	96
23) Vinyl Acetate	3.14	43	658083	111.55	ug/l	98
24) 1,1-Dichloroethane	2.82	63	289618	21.17	ug/l #	96
25) 2-Butanone	4.27	43	375140	110.35	ug/l	99
26) 2,2-Dichloropropane	3.55	77	289366	22.71	ug/l	97
27) cis-1,2-Dichloroethene	3.42	96	224789	21.25	ug/l	96
28) Bromochloromethane	3.66	49	125754	23.41	ug/l #	99
29) Chloroform	3.80	83	422409	21.97	ug/l	95
30) Cyclohexane	3.65	56	294948	23.89	ug/l	97
31) 1,1,1-Trichloroethane	4.04	97	340202	21.36	ug/l	96
35) 1,1-Dichloropropene	4.22	75	285354	20.13	ug/l	98
36) Ethyl Acetate	4.05	43	148736	20.74	ug/l #	74
37) Carbon Tetrachloride	3.93	117	312163	20.90	ug/l	96
38) Methylcyclohexane	5.41	83	322054	21.13	ug/l	96

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045407.D
 Acq On : 17 Sep 2015 15:33
 Operator : FY/SY
 Sample : VF0917SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Quant Time: Sep 18 01:18:04 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	701188	21.16	ug/l	95
40) Methacrylonitrile	4.69	41	65664	19.34	ug/l #	90
41) 1,2-Dichloroethane	4.88	62	261642	19.57	ug/l	92
42) Isopropyl Acetate	6.92	43	197717	20.92	ug/l #	97
43) Trichloroethene	5.45	130	233905	20.67	ug/l	91
44) 1,2-Dichloropropane	6.18	63	204429	21.17	ug/l	99
45) Dibromomethane	6.03	93	139233	20.26	ug/l	98
46) Bromodichloromethane	6.33	83	301973	19.63	ug/l #	98
47) Methyl methacrylate	6.67	41	120722	21.05	ug/l #	89
48) 1,4-Dioxane	6.65	88	27640	402.26	ug/l #	84
50) 4-Methyl-2-Pentanone	8.21	43	706125	105.08	ug/l	98
51) Toluene	7.58	92	573305	22.45	ug/l	99
52) t-1,3-Dichloropropene	8.22	75	288112	20.83	ug/l	98
53) cis-1,3-Dichloropropene	7.25	75	347643	21.29	ug/l #	89
54) 1,1,2-Trichloroethane	8.43	97	187041	21.66	ug/l	92
55) Ethyl methacrylate	8.57	69	226891	20.19	ug/l	98
56) 1,3-Dichloropropane	8.79	76	295631	20.98	ug/l	99
58) 2-Hexanone	9.44	43	594510	111.15	ug/l	95
59) Dibromochloromethane	8.65	129	238468	19.48	ug/l	91
60) 1,2-Dibromoethane	8.93	107	206429	21.06	ug/l	88
63) Tetrachloroethene	8.10	164	245066	23.20	ug/l	95
64) Chlorobenzene	9.74	112	637049	22.83	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	222763	21.84	ug/l	94
66) Ethyl Benzene	9.84	91	1128754	23.35	ug/l	99
67) m/p-Xylenes	10.08	106	806583	46.55	ug/l	93
68) o-Xylene	10.66	106	412147	22.92	ug/l	98
69) Styrene	10.74	104	675668	23.54	ug/l	97
70) Bromoform	10.71	173	154272	20.39	ug/l	95
72) Isopropylbenzene	11.08	105	1187994	22.83	ug/l	99
73) N-amyl acetate	11.33	43	321020	22.26	ug/l #	87
74) 1,1,2,2-Tetrachloroethane	11.65	83	247849	21.02	ug/l	95
75) 1,2,3-Trichloropropane	11.74	75	177921	21.94	ug/l	96
76) Bromobenzene	11.44	156	325952	22.09	ug/l	97
77) n-propylbenzene	11.55	91	1514555	23.45	ug/l	99
78) 2-Chlorotoluene	11.67	91	819211	22.67	ug/l	99
79) 1,3,5-Trimethylbenzene	11.78	105	950252	22.41	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	108294	24.93	ug/l	94
81) 4-Chlorotoluene	11.84	91	895593	22.43	ug/l	98
82) tert-Butylbenzene	12.08	119	956885	22.82	ug/l	99
83) 1,2,4-Trimethylbenzene	12.16	105	962839	22.15	ug/l	99
84) sec-Butylbenzene	12.26	105	1319725	22.64	ug/l	96
85) p-Isopropyltoluene	12.42	119	1064618	23.46	ug/l	97
86) 1,3-Dichlorobenzene	12.43	146	561967	22.40	ug/l	95
87) 1,4-Dichlorobenzene	12.51	146	557335	22.25	ug/l	98
88) n-Butylbenzene	12.79	91	1077953	23.63	ug/l	95
89) Hexachloroethane	12.86	117	206164	19.19	ug/l	91
90) 1,2-Dichlorobenzene	12.89	146	495840	21.49	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.58	75	30878	19.72	ug/l	75
92) 1,2,4-Trichlorobenzene	14.14	180	268917	20.14	ug/l	96
93) Hexachlorobutadiene	14.13	225	171992	16.96	ug/l	98

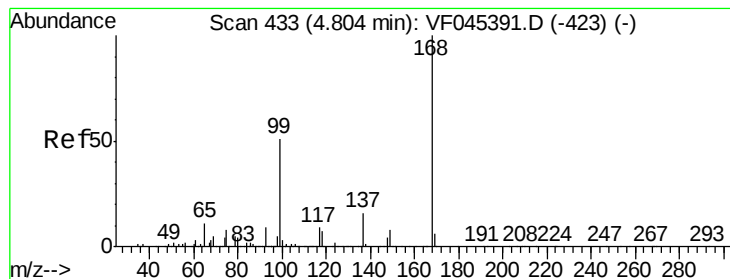
Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
Data File : VF045407.D
Acq On : 17 Sep 2015 15:33
Operator : FY/SY
Sample : VF0917SBS01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Quant Time: Sep 18 01:18:04 2015
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	479573	20.06	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	232541	21.20	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

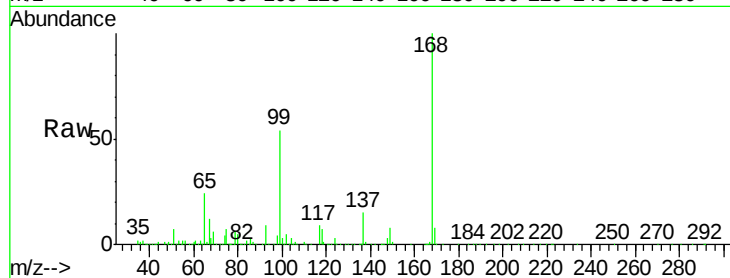
VF0917SBS01

Tot Ion:168 Resp: 996800

Ion Ratio Lower Upper

168 100

99 53.6 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.81

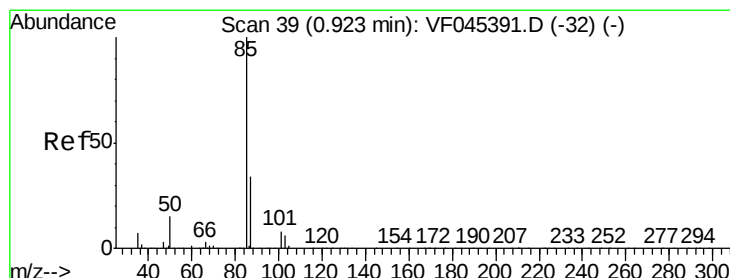
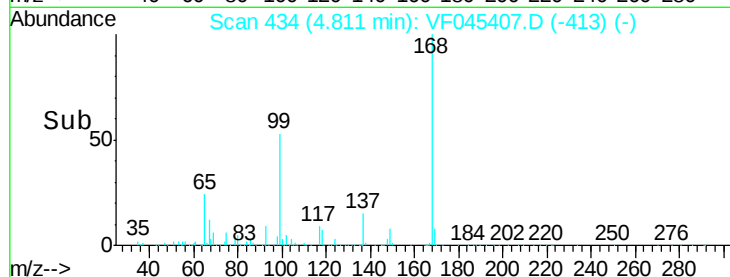
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.98 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045407.D

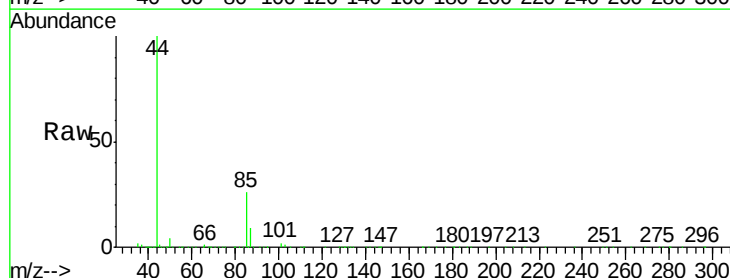
Acq: 17 Sep 2015 15:33

Tgt Ion: 85 Resp: 186612

Ion Ratio Lower Upper

85 100

87 33.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

60000

50000

40000

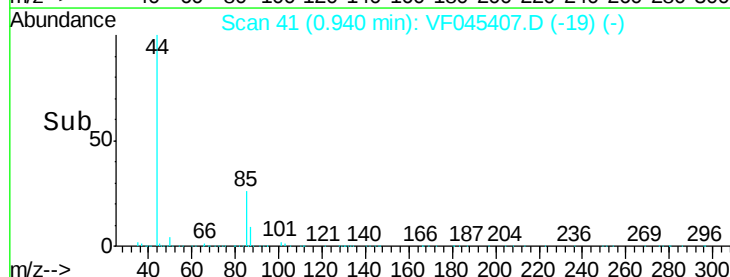
30000

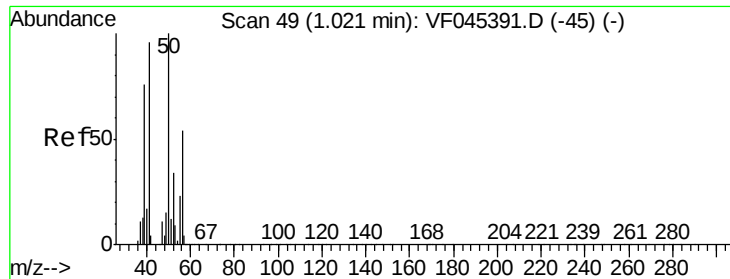
20000

10000

0

Time-->

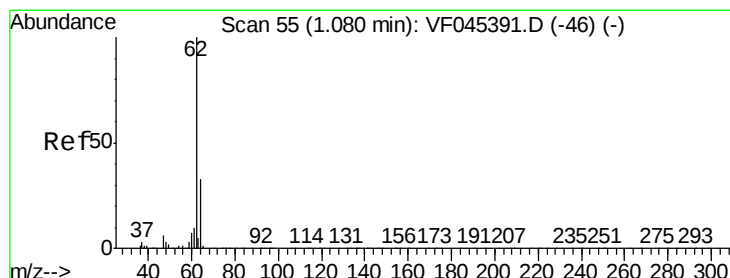
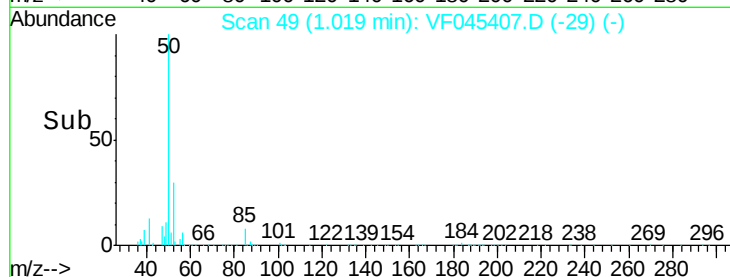
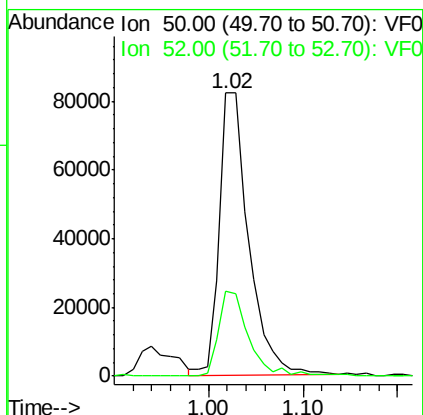
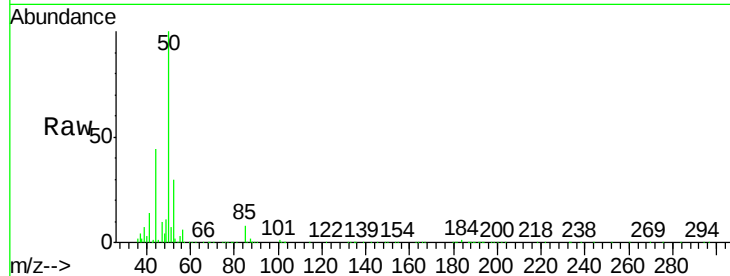




#3
Chloromethane
Concen: 24.13 ug/l
RT: 1.02 min Scan# 49
Delta R.T. -0.00 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

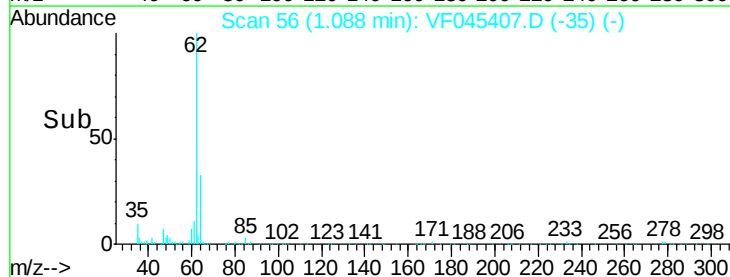
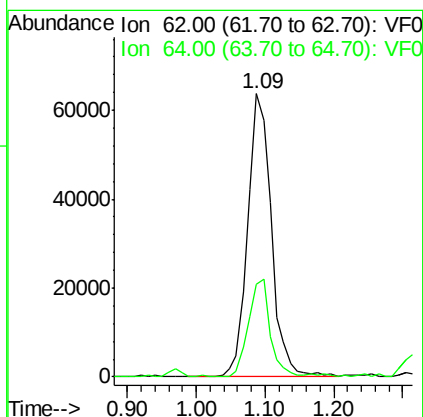
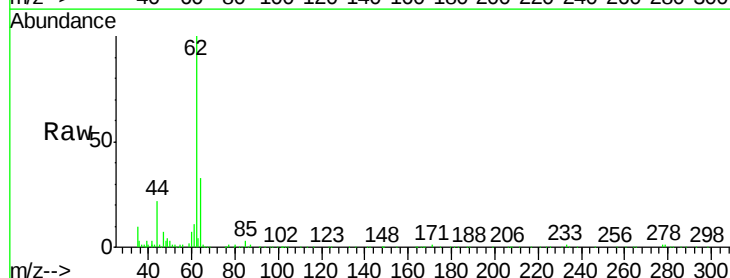
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

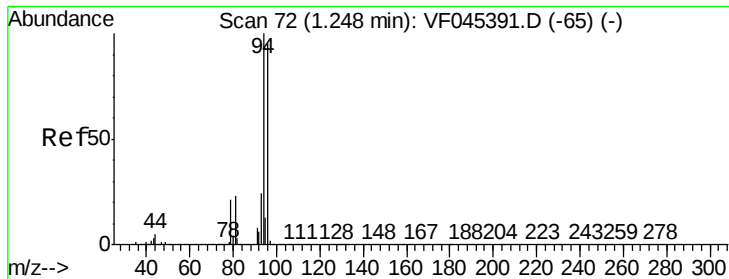
Tot Ion: 50 Resp: 175370
Ion Ratio Lower Upper
50 100
52 29.8 23.8 35.8



#4
Vinyl Chloride
Concen: 24.58 ug/l
RT: 1.09 min Scan# 56
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 62 Resp: 153115
Ion Ratio Lower Upper
62 100
64 32.9 26.6 39.8





#5

Bromomethane

Concen: 20.67 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

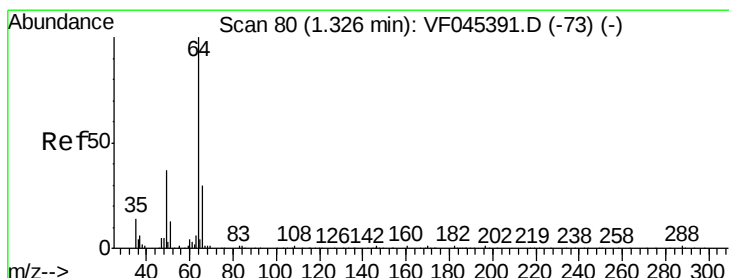
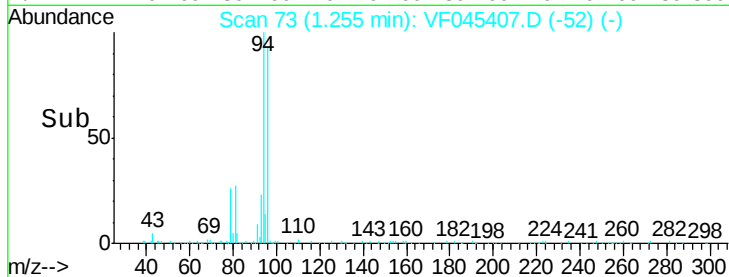
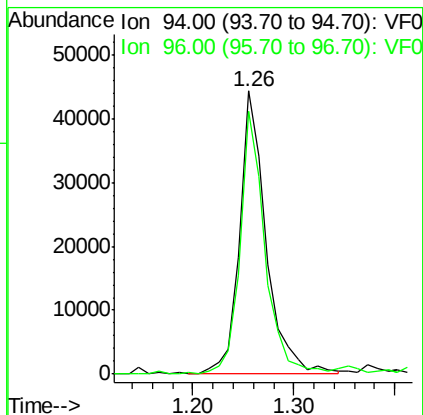
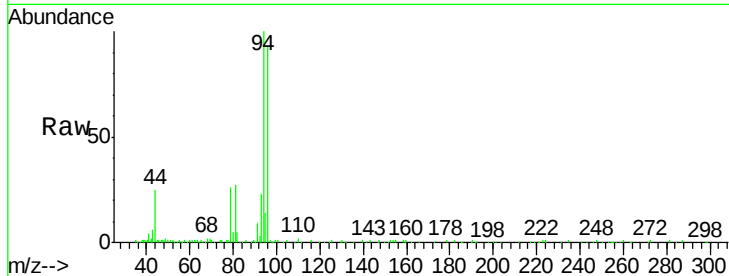
VF0917SBS01

Tot Ion: 94 Resp: 79952

Ion Ratio Lower Upper

94 100

96 92.9 75.0 112.4



#6

Chloroethane

Concen: 21.16 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF045407.D

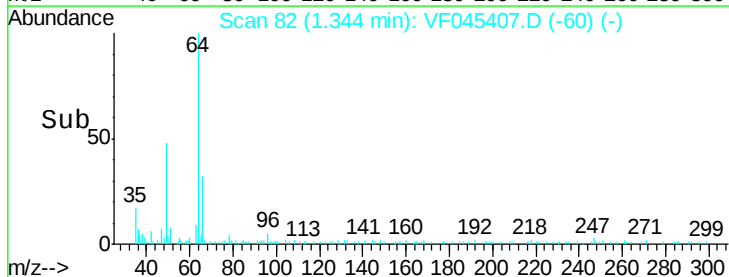
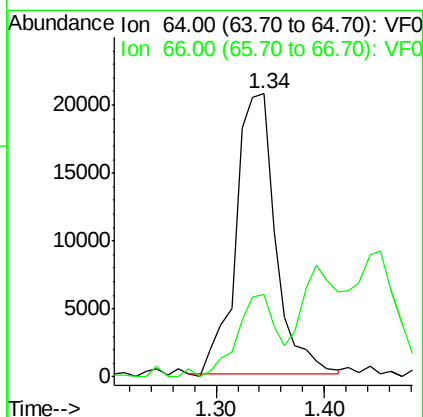
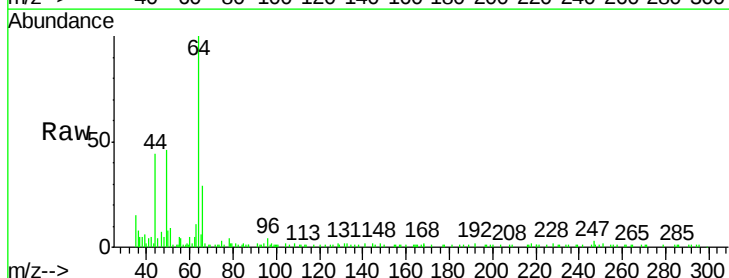
Acq: 17 Sep 2015 15:33

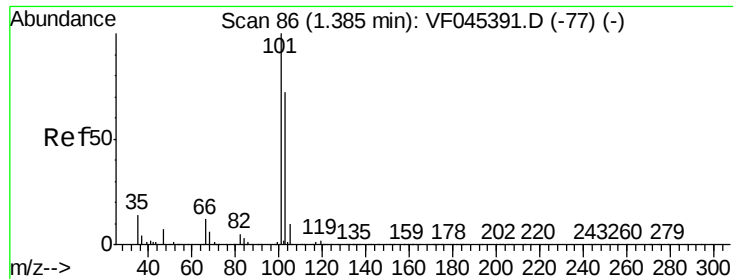
Tgt Ion: 64 Resp: 52528

Ion Ratio Lower Upper

64 100

66 28.9 27.3 40.9





#7

Trichlorofluoromethane

Concen: 8.24 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

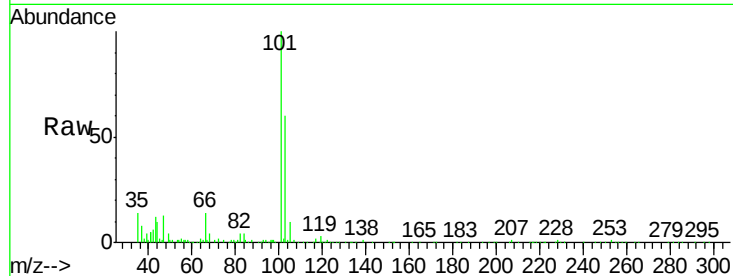
VF0917SBS01

Tot Ion:101 Resp: 105336

Ion Ratio Lower Upper

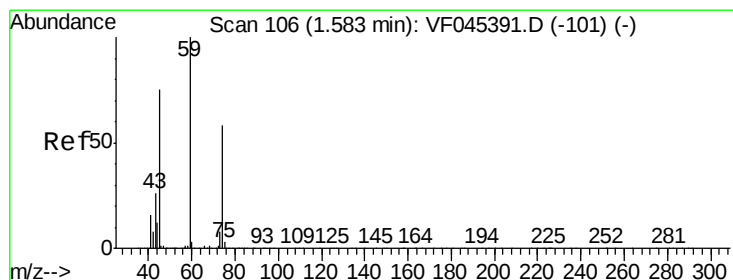
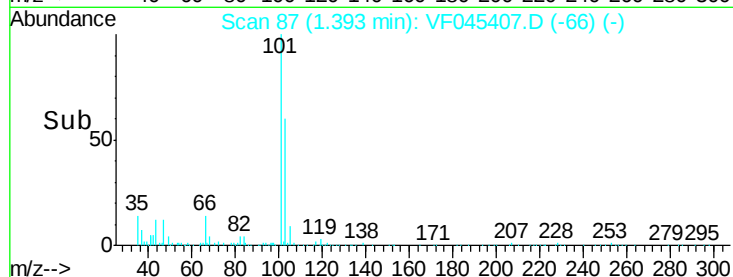
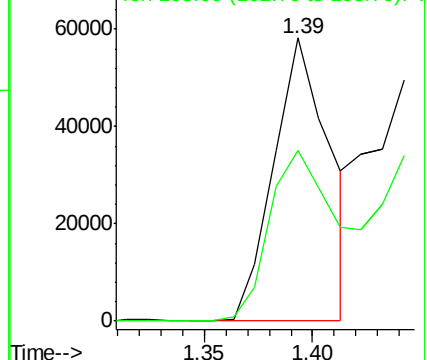
101 100

103 60.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.57 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.02 min

Lab File: VF045407.D

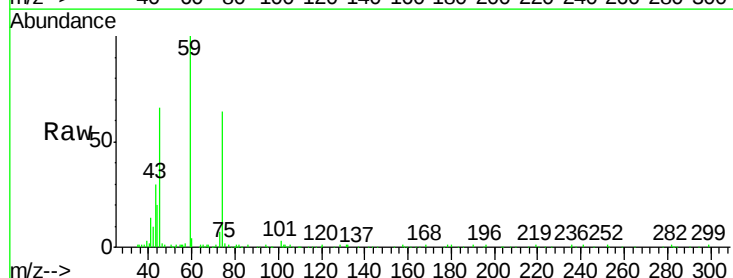
Acq: 17 Sep 2015 15:33

Tgt Ion: 74 Resp: 54964

Ion Ratio Lower Upper

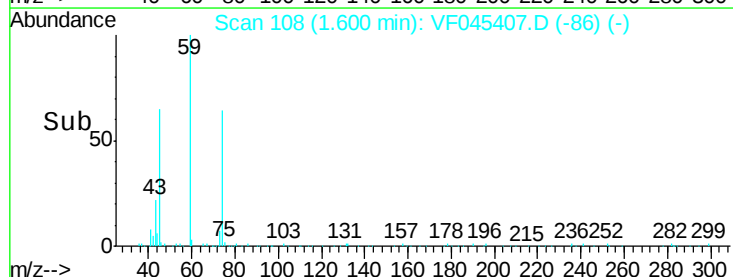
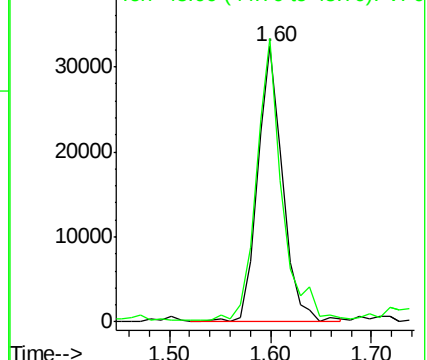
74 100

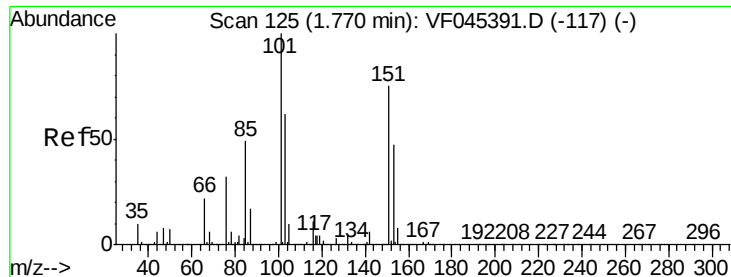
45 102.7 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.54 ug/l

RT: 1.79 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

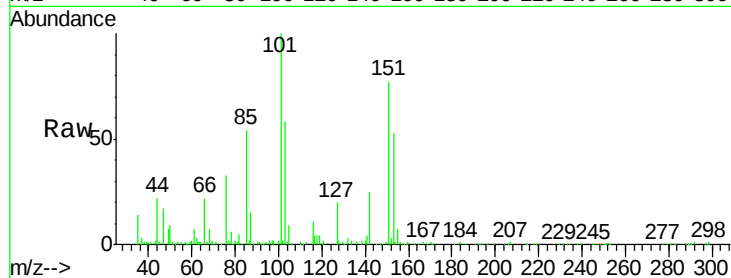
Tot Ion:101 Resp: 158438

Ion Ratio Lower Upper

101 100

85 54.4 40.0 60.0

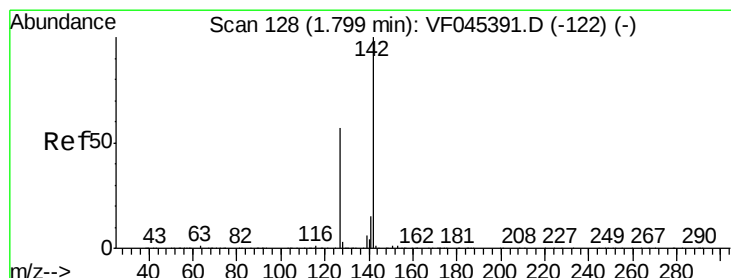
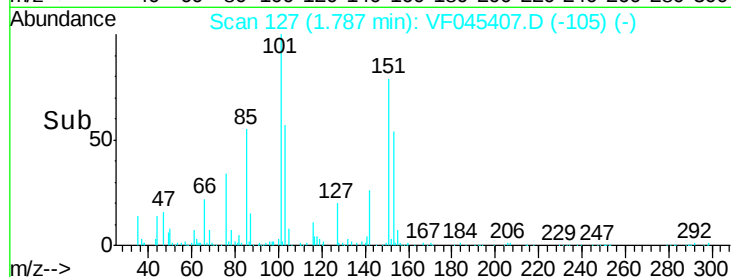
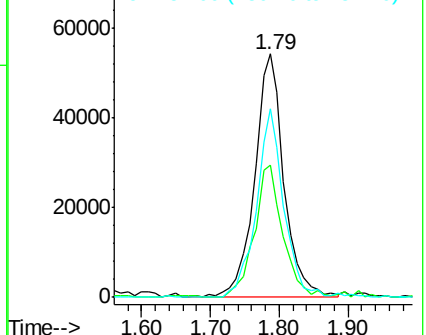
151 77.3 62.8 94.2



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: 21.28 ug/l

RT: 1.81 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

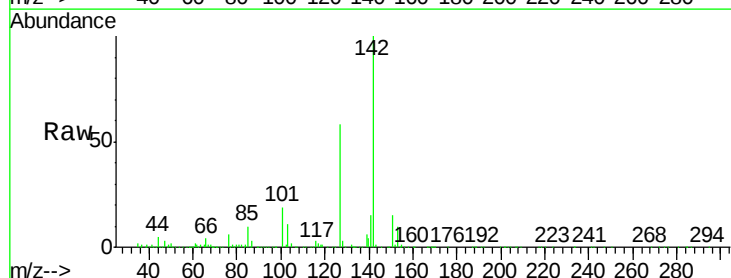
Tgt Ion:142 Resp: 320067

Ion Ratio Lower Upper

142 100

127 57.9 43.3 64.9

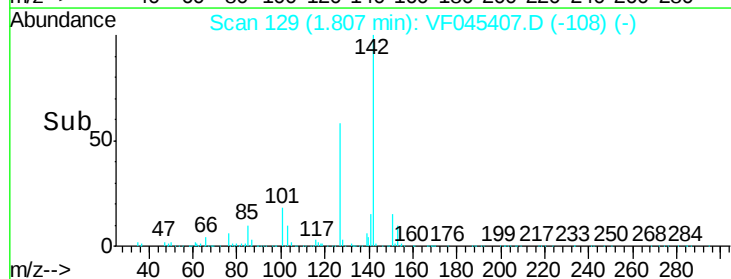
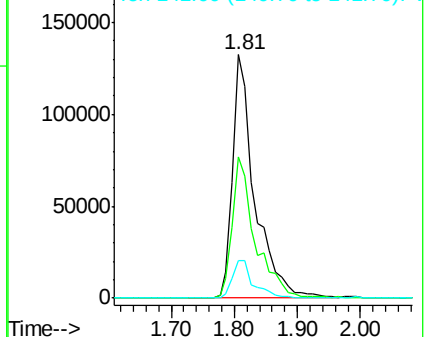
141 15.4 12.1 18.1

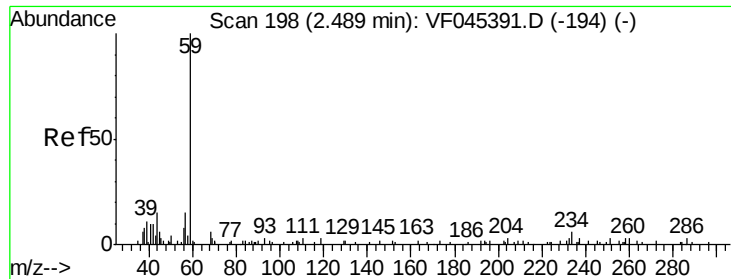


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



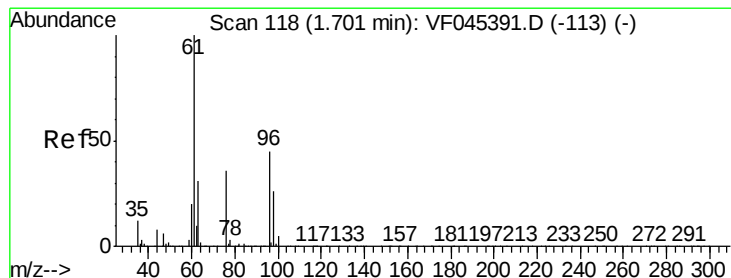
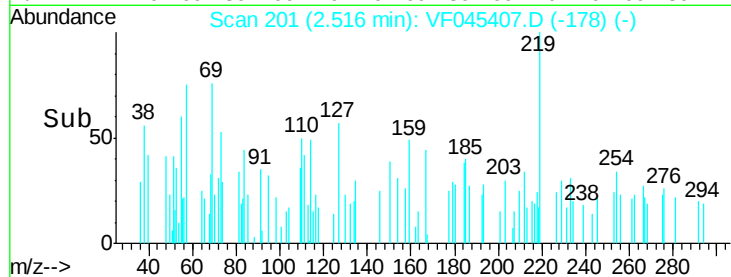
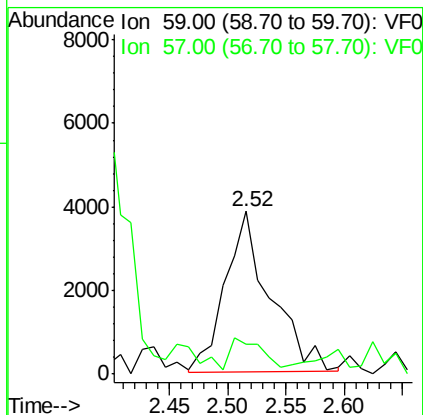
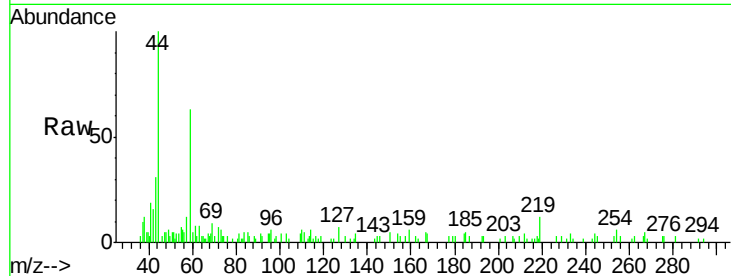


#11

Tert butyl alcohol
Concen: 86.13 ug/l
RT: 2.52 min Scan# 201
Delta R.T. 0.03 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampled :
VF0917SBS01

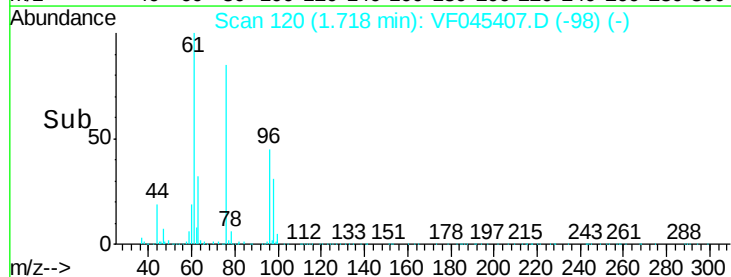
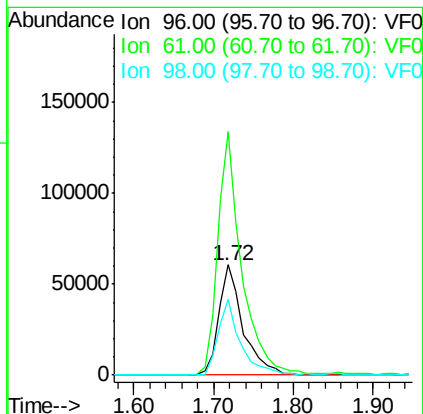
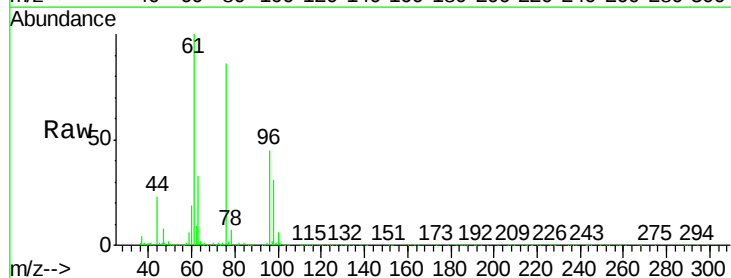
Tot Ion: 59 Resp: 10360
Ion Ratio Lower Upper
59 100
57 18.7 8.6 13.0#

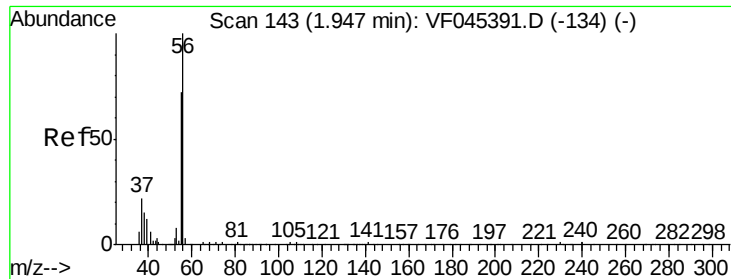


#12

1,1-Dichloroethene
Concen: 21.51 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 96 Resp: 131430
Ion Ratio Lower Upper
96 100
61 220.8 165.8 248.8
98 69.1 51.2 76.8

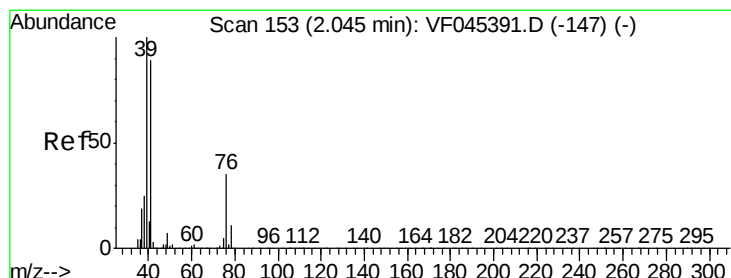
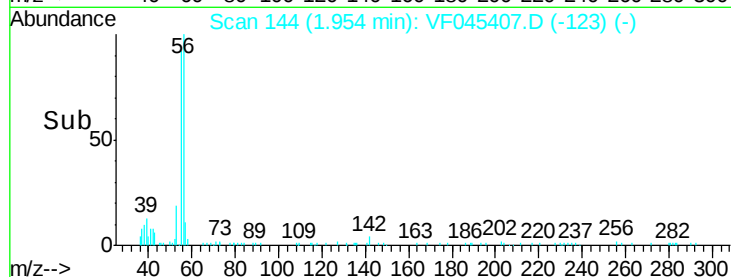
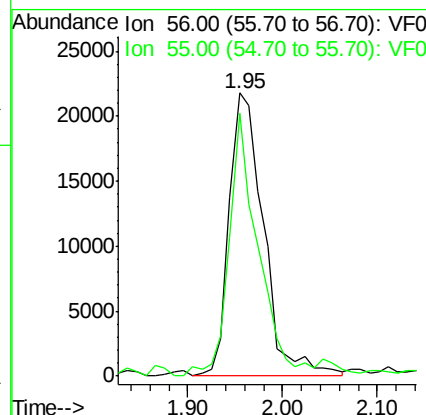
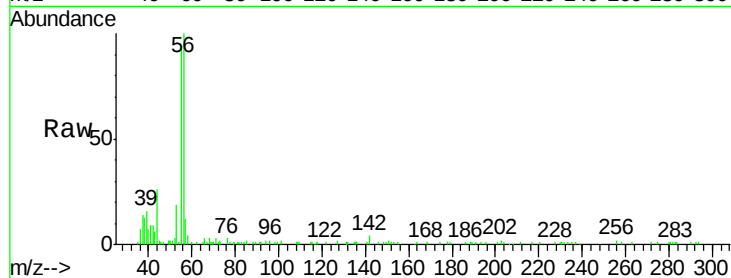




#13
Acrolein
Concen: 109.85 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

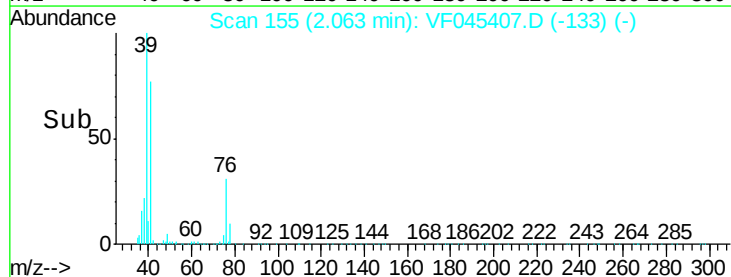
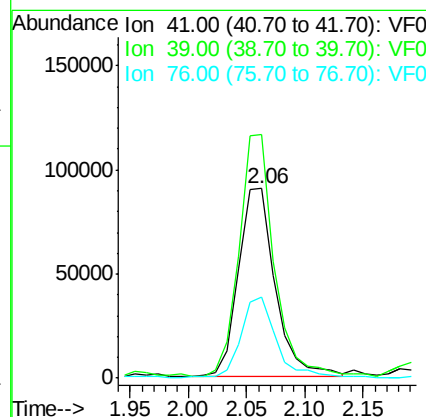
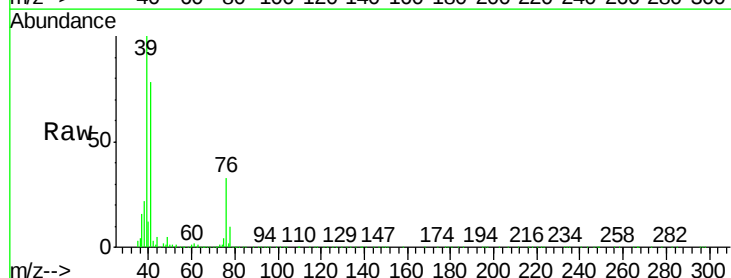
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

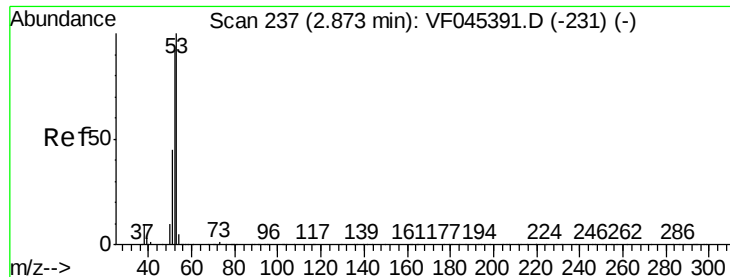
Tot Ion: 56 Resp: 54754
Ion Ratio Lower Upper
56 100
55 92.7 60.5 90.7#



#14
Allyl chloride
Concen: 20.96 ug/l
RT: 2.06 min Scan# 155
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 41 Resp: 198774
Ion Ratio Lower Upper
41 100
39 128.3 92.8 139.2
76 43.0 27.7 41.5#





#15

Acrylonitrile

Concen: 104.31 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

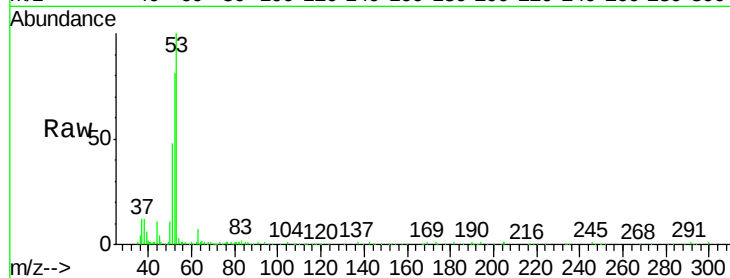
MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 53 Resp: 119914

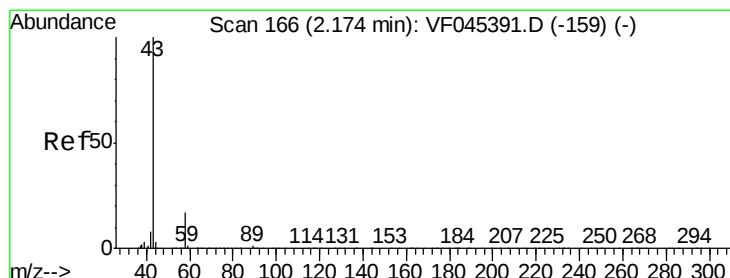
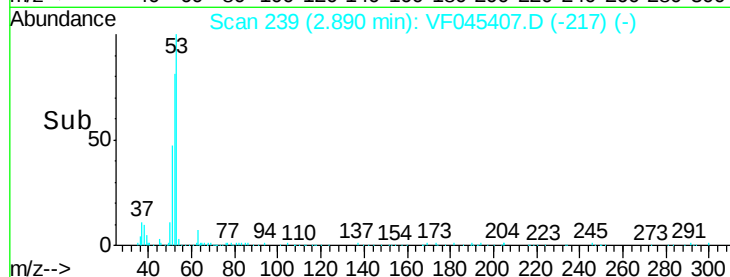
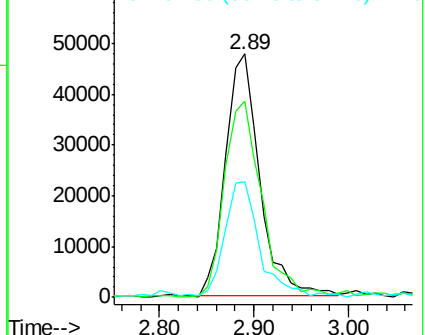
Ion	Ratio	Lower	Upper
53	100		
52	80.8	72.7	109.1
51	47.6	42.2	63.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 116.55 ug/l

RT: 2.19 min Scan# 168

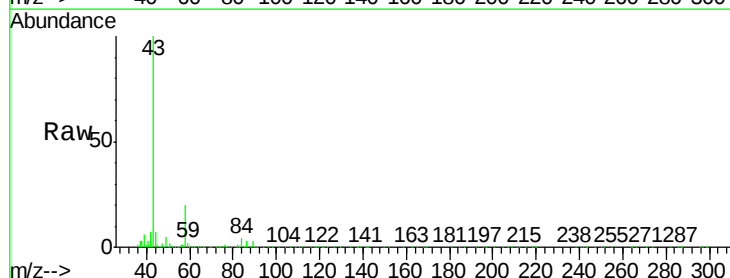
Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

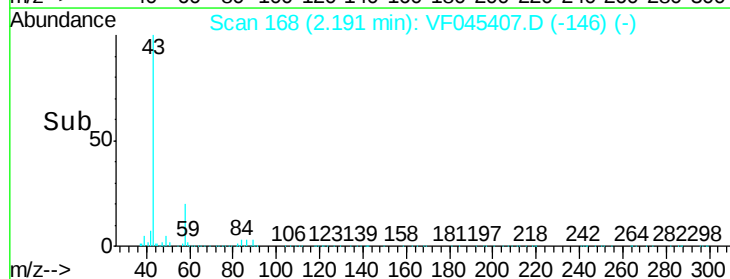
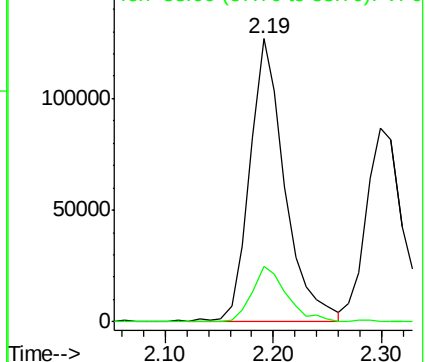
Tgt Ion: 43 Resp: 283226

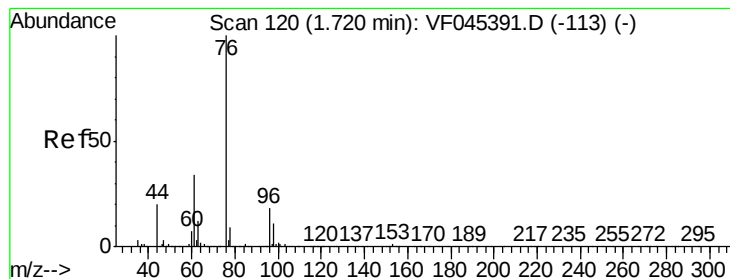
Ion	Ratio	Lower	Upper
43	100		
58	19.6	13.9	20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 21.15 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

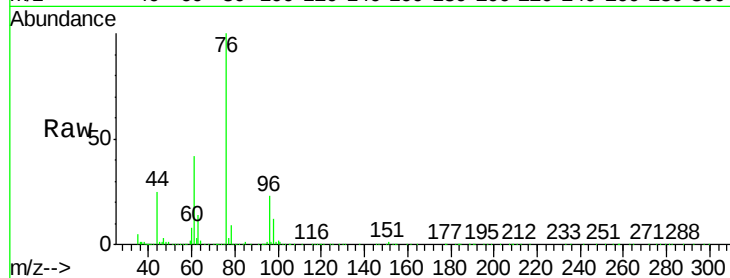
VF0917SBS01

Tot Ion: 76 Resp: 440424

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.73

200000

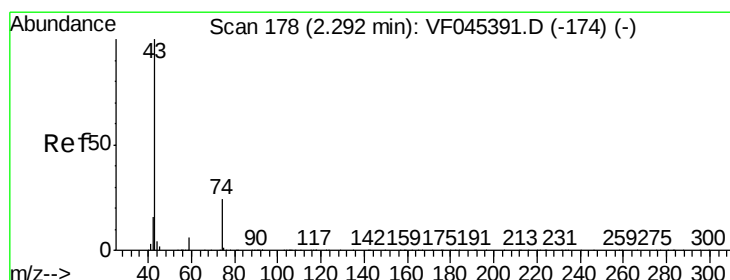
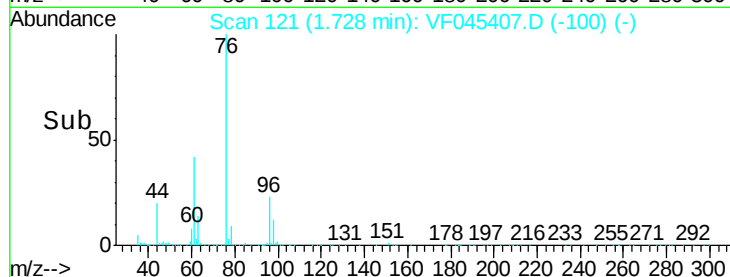
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.88 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.01 min

Lab File: VF045407.D

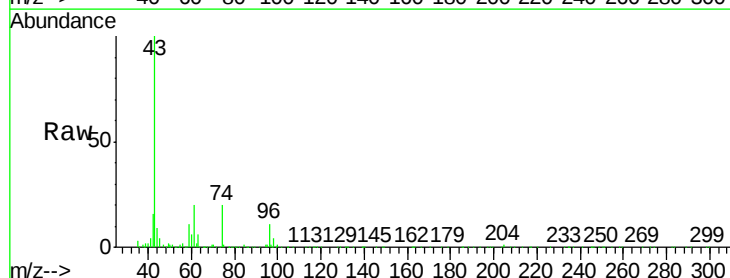
Acq: 17 Sep 2015 15:33

Tgt Ion: 43 Resp: 203914

Ion Ratio Lower Upper

43 100

74 19.9 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

100000

80000

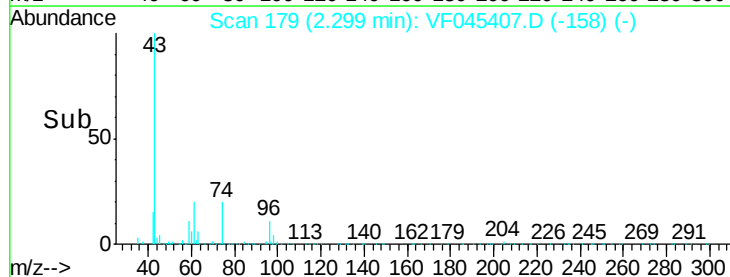
60000

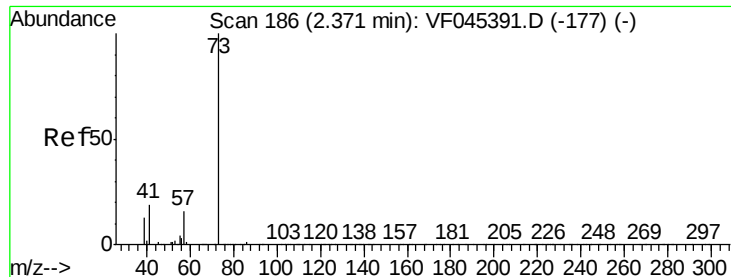
40000

20000

0

Time-->



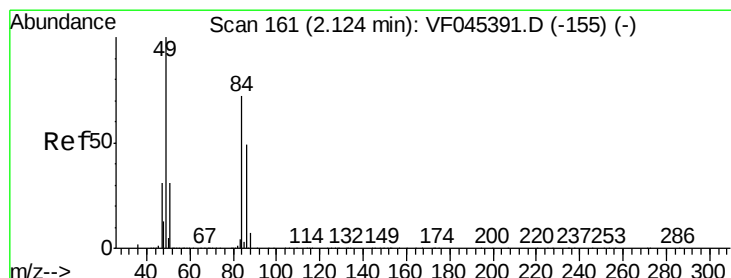
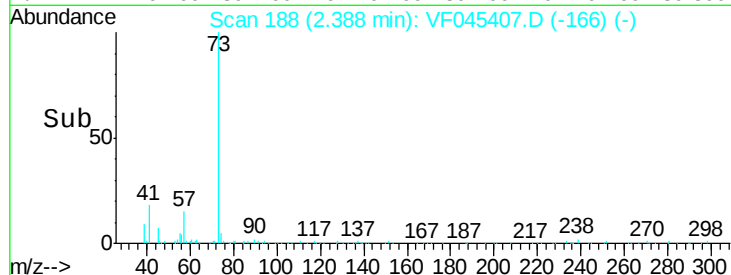
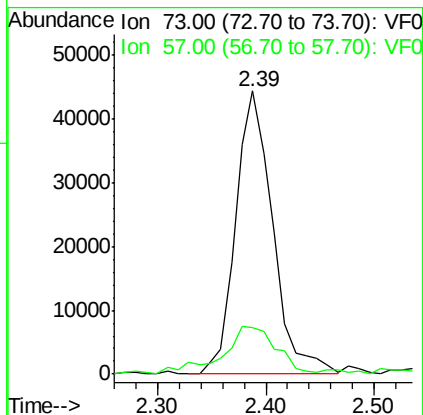
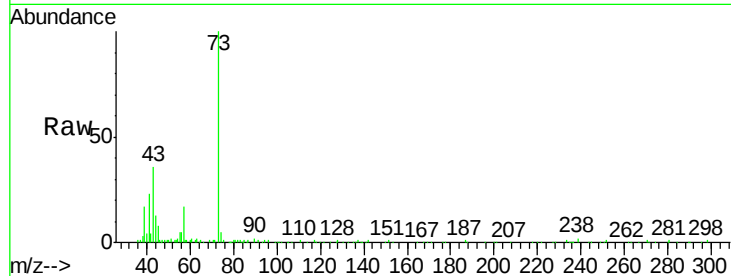


#19

Methyl tert-butyl Ether
 Concen: 22.04 ug/l
 RT: 2.39 min Scan# 188
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

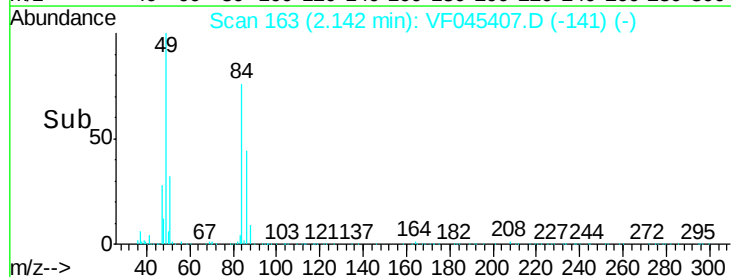
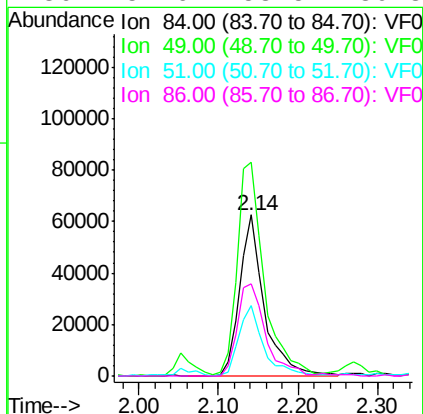
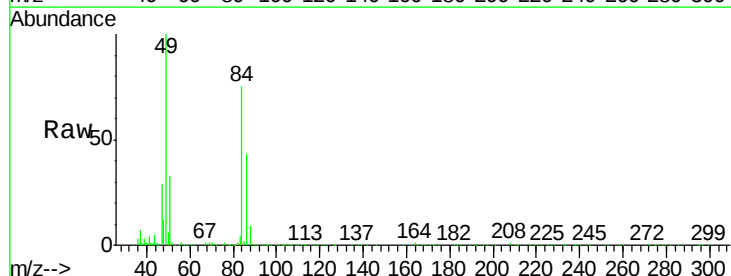
Tot Ion: 73 Resp: 105999
 Ion Ratio Lower Upper
 73 100
 57 16.5 12.9 19.3

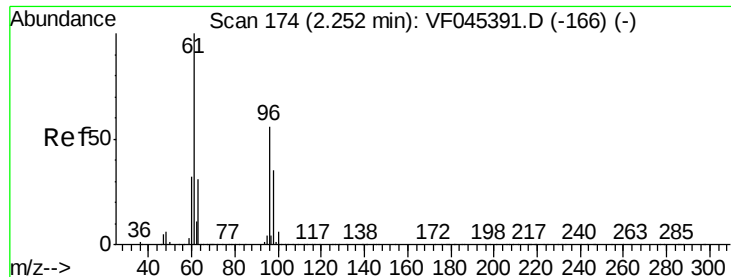


#20

Methylene Chloride
 Concen: 17.20 ug/l
 RT: 2.14 min Scan# 163
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion: 84 Resp: 134726
 Ion Ratio Lower Upper
 84 100
 49 132.5 122.8 184.2
 51 43.4 35.4 53.2
 86 57.6 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 21.32 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

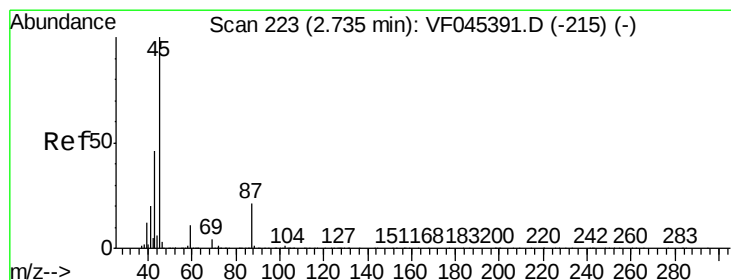
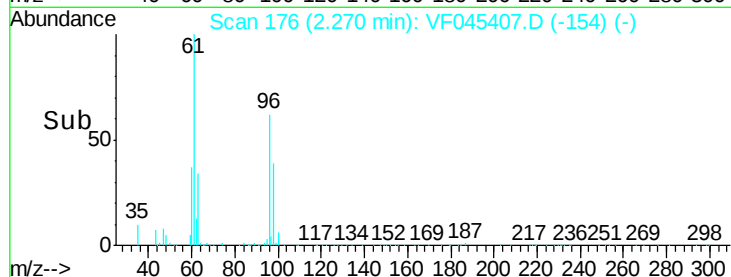
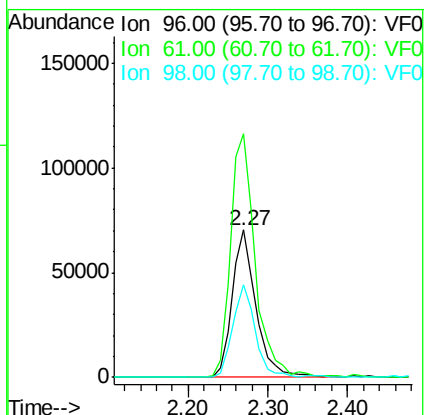
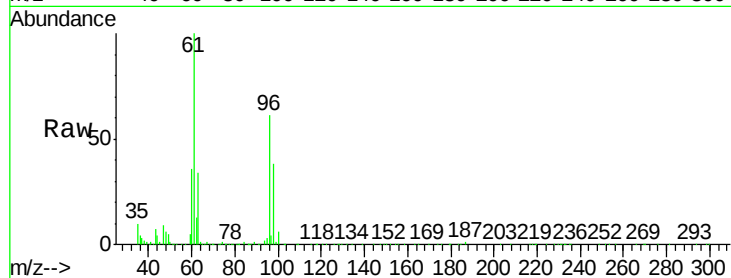
Tot Ion: 96 Resp: 146070

Ion Ratio Lower Upper

96 100

61 165.2 136.8 205.2

98 62.8 51.0 76.4



#22

Diisopropyl ether

Concen: 20.99 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion: 45 Resp: 424155

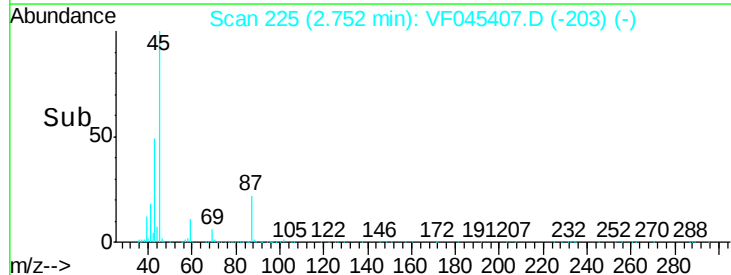
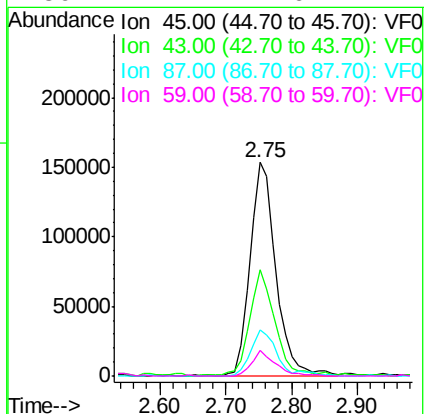
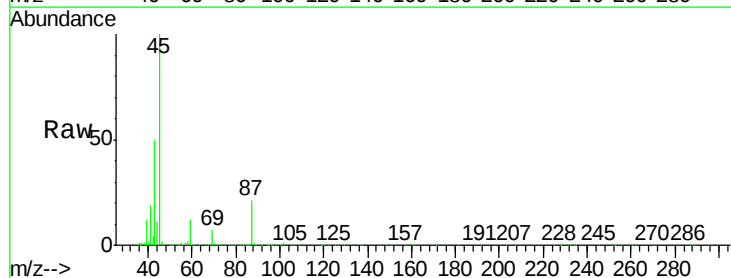
Ion Ratio Lower Upper

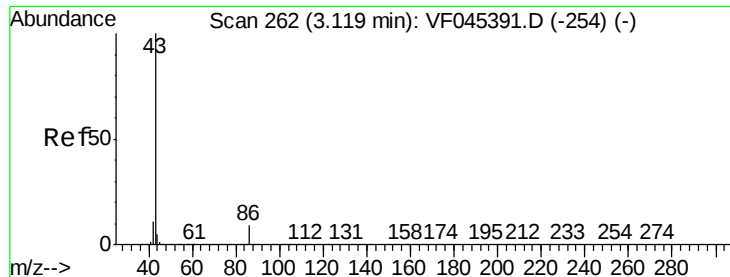
45 100

43 49.9 42.2 63.4

87 21.5 16.6 25.0

59 11.7 7.6 11.4#





#23

Vinyl Acetate

Concen: 111.55 ug/l

RT: 3.14 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

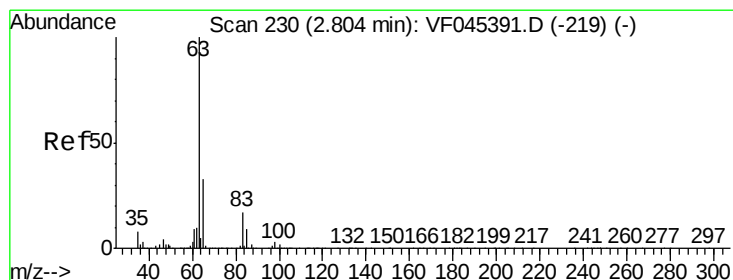
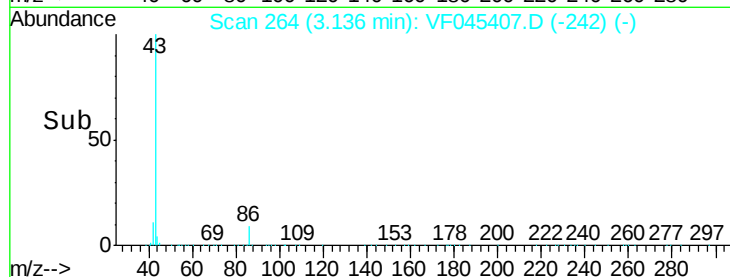
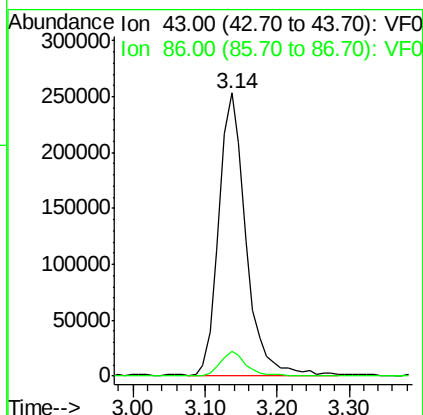
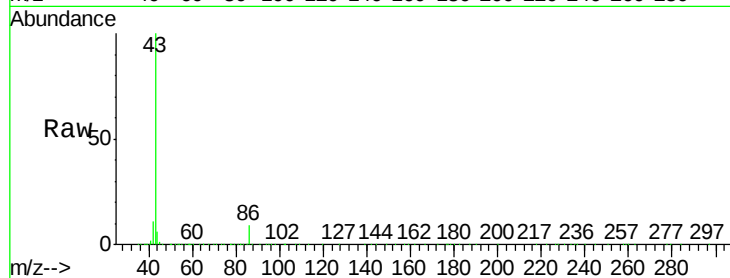
VF0917SBS01

Tot Ion: 43 Resp: 658083

Ion Ratio Lower Upper

43 100

86 8.8 6.3 9.5



#24

1,1-Dichloroethane

Concen: 21.17 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

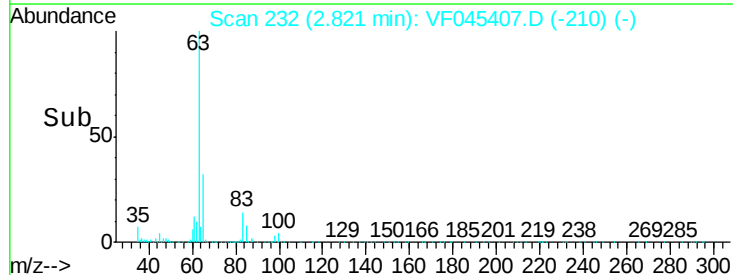
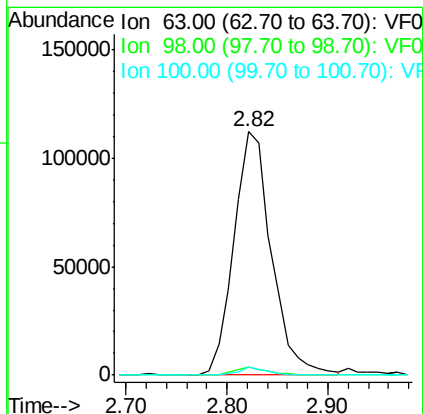
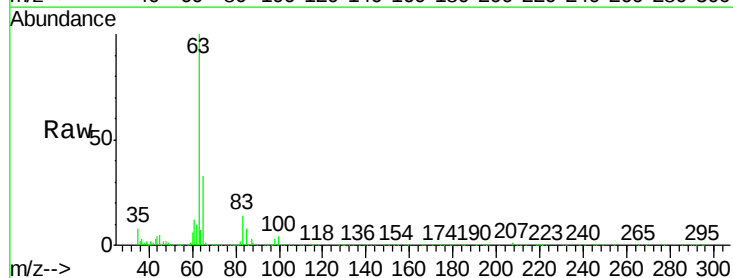
Tgt Ion: 63 Resp: 289618

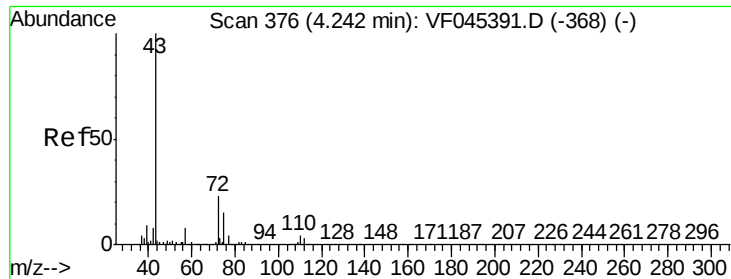
Ion Ratio Lower Upper

63 100

98 3.2 2.2 6.6

100 3.6 1.1 3.5#





#25

2-Butanone

Concen: 110.35 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

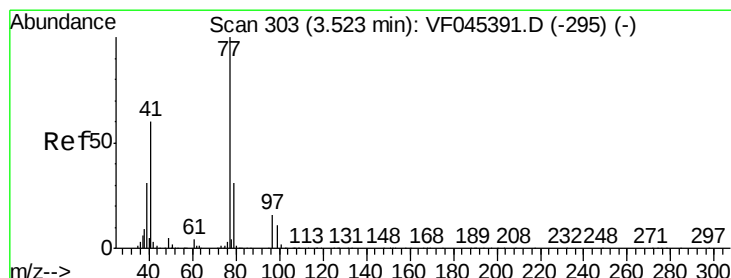
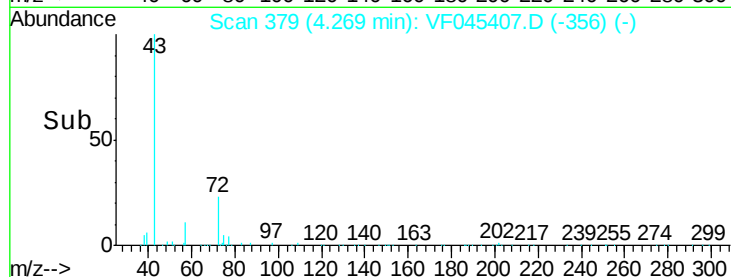
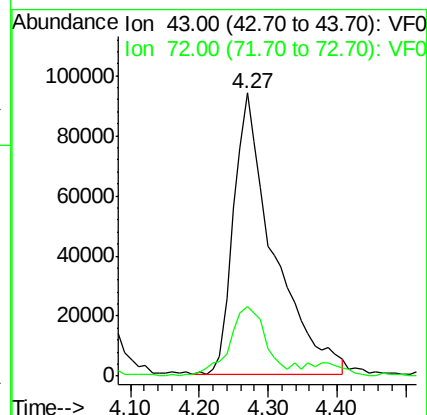
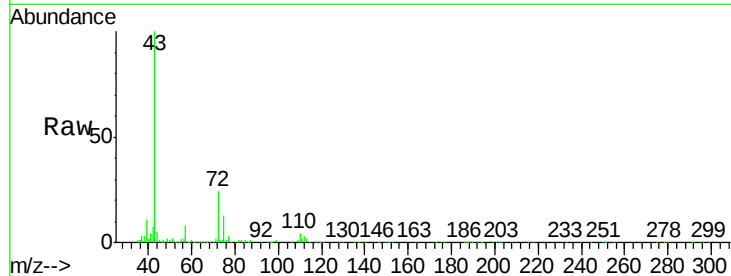
VF0917SBS01

Tot Ion: 43 Resp: 375140

Ion Ratio Lower Upper

43 100

72 24.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 22.71 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.03 min

Lab File: VF045407.D

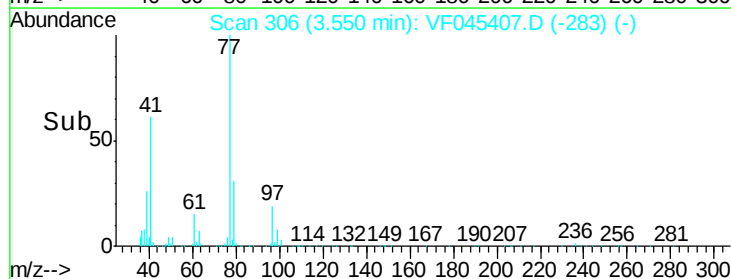
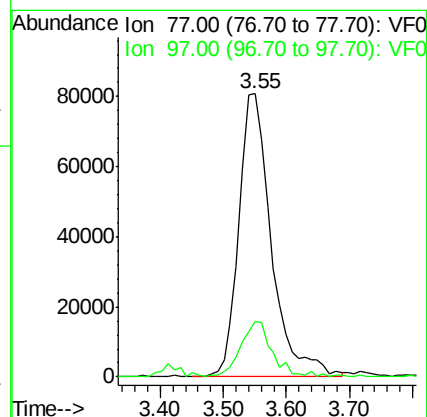
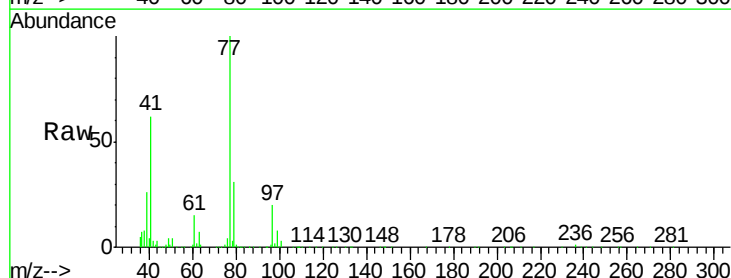
Acq: 17 Sep 2015 15:33

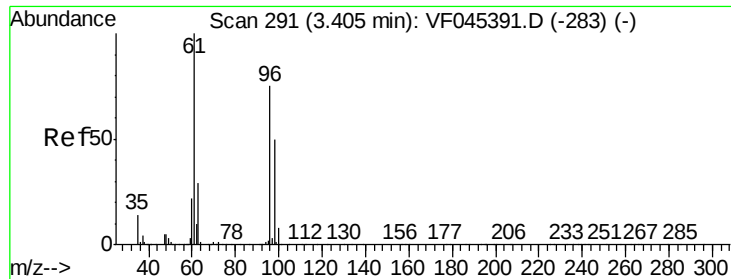
Tgt Ion: 77 Resp: 289366

Ion Ratio Lower Upper

77 100

97 19.6 9.2 27.4



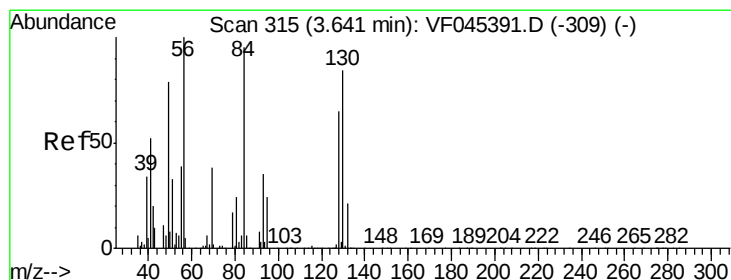
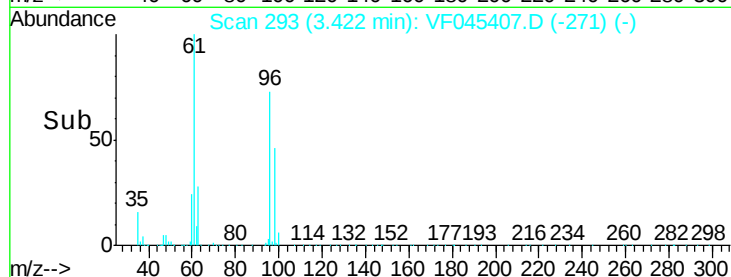
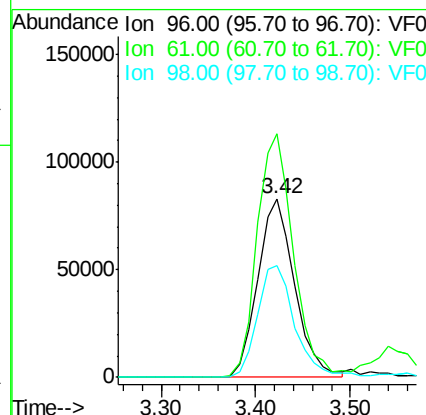
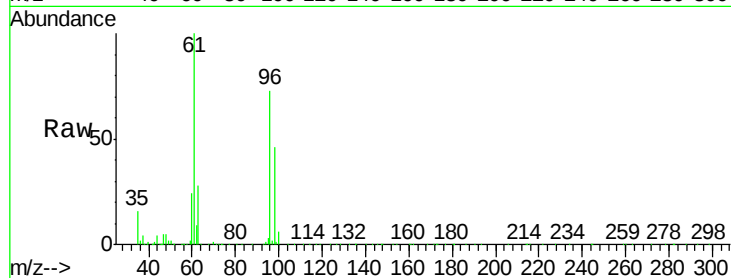


#27

cis-1,2-Dichloroethene
 Concen: 21.25 ug/l
 RT: 3.42 min Scan# 293
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

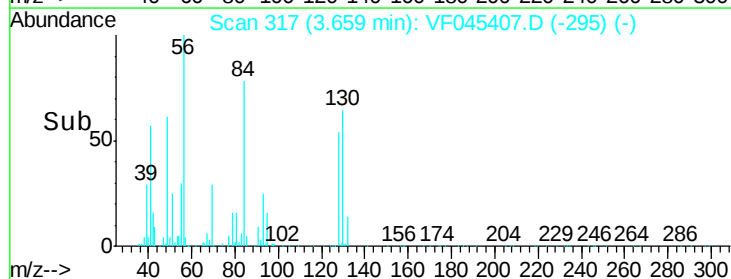
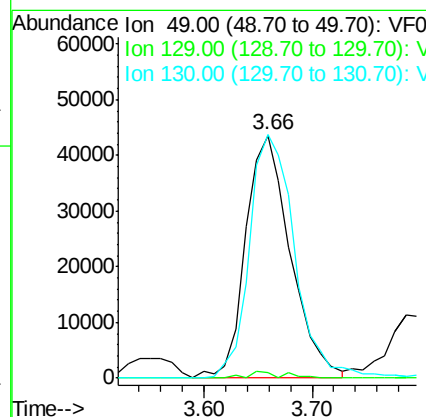
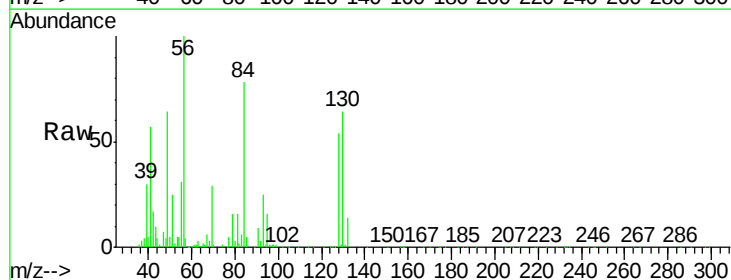
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	268.6
98	62.4	0.0	135.8

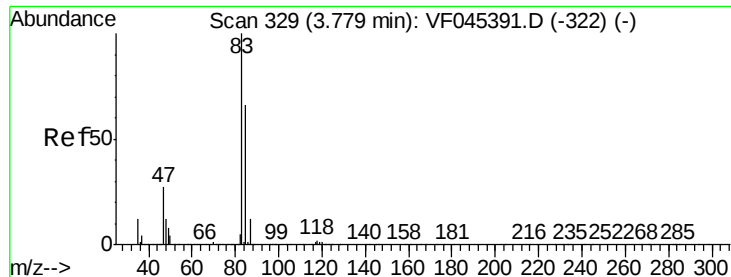


#28

Bromochloromethane
 Concen: 23.41 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	100.3	79.6	119.4





#29

Chloroform

Concen: 21.97 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

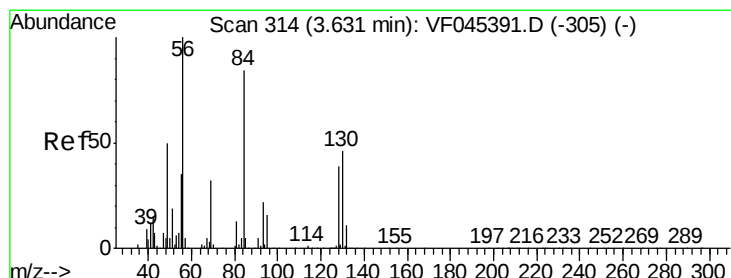
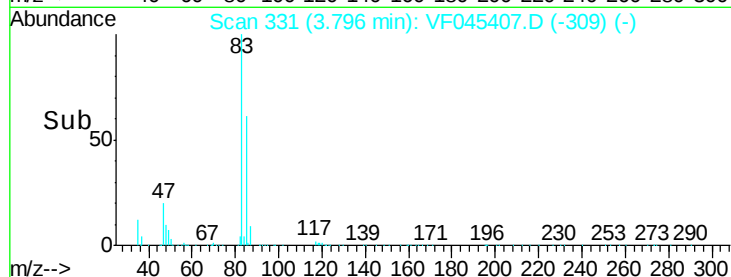
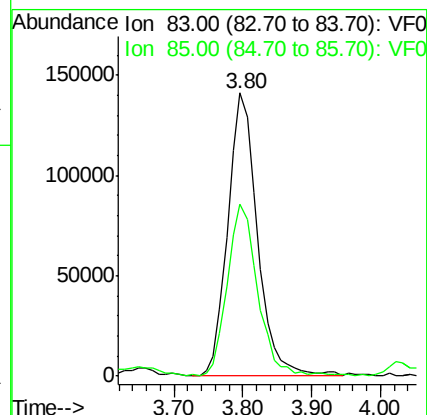
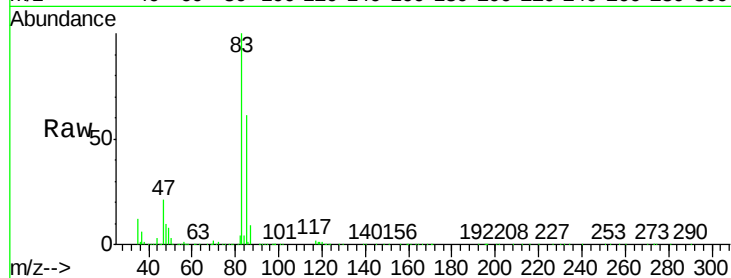
VF0917SBS01

Tot Ion: 83 Resp: 422409

Ion Ratio Lower Upper

83 100

85 60.9 51.6 77.4



#30

Cyclohexane

Concen: 23.89 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

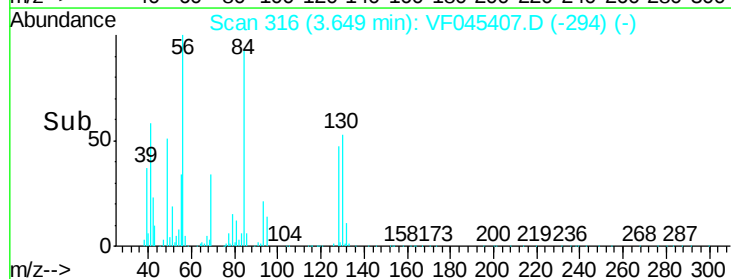
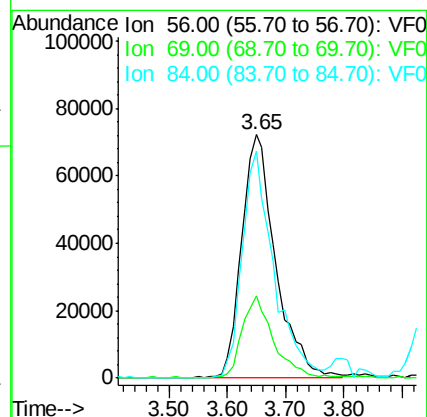
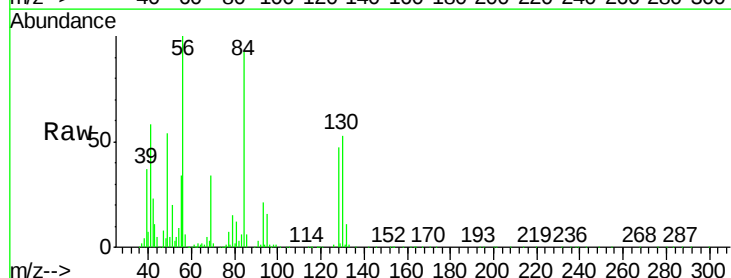
Tgt Ion: 56 Resp: 294948

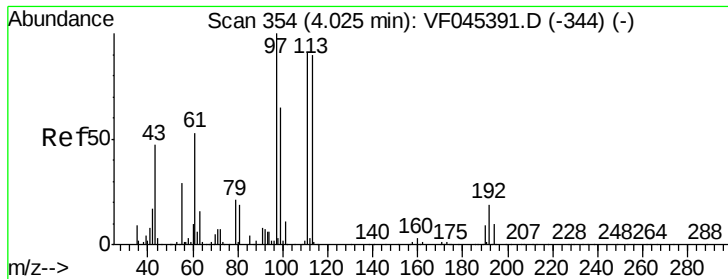
Ion Ratio Lower Upper

56 100

69 33.9 26.1 39.1

84 93.1 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 21.36 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

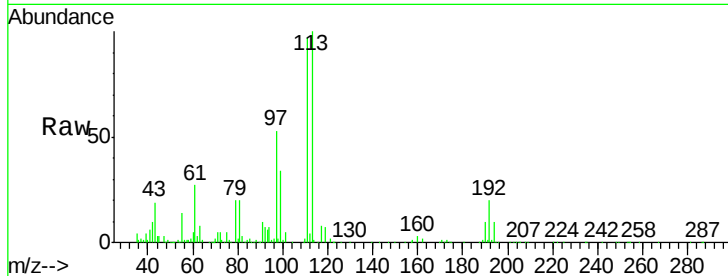
Tot Ion: 97 Resp: 340202

Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

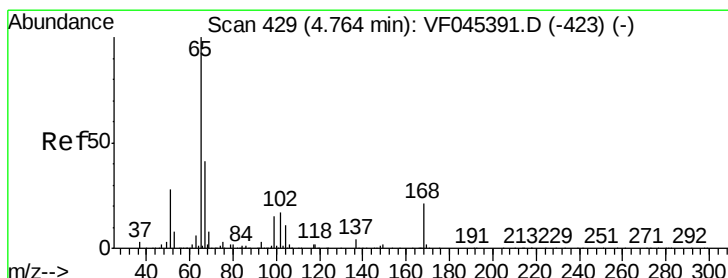
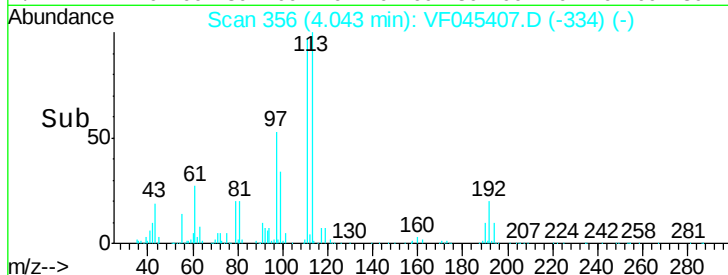
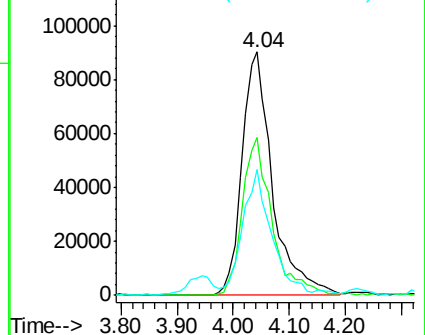
61 51.8 37.8 56.6



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#32

1,2-Dichloroethane-d4

Concen: 48.73 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF045407.D

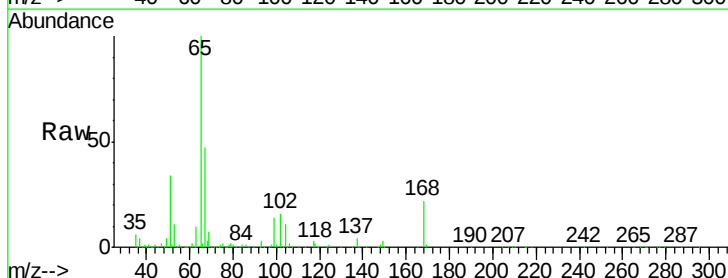
Acq: 17 Sep 2015 15:33

Tgt Ion: 65 Resp: 521663

Ion Ratio Lower Upper

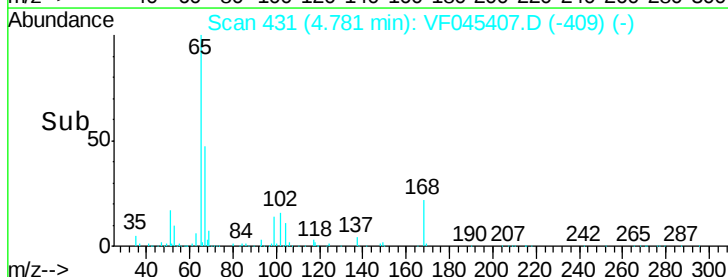
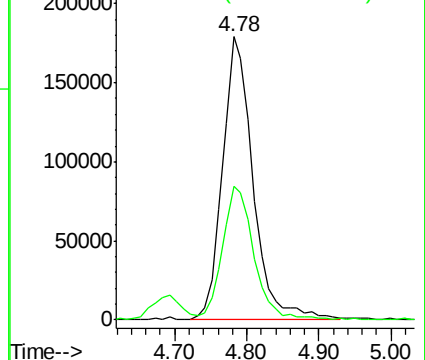
65 100

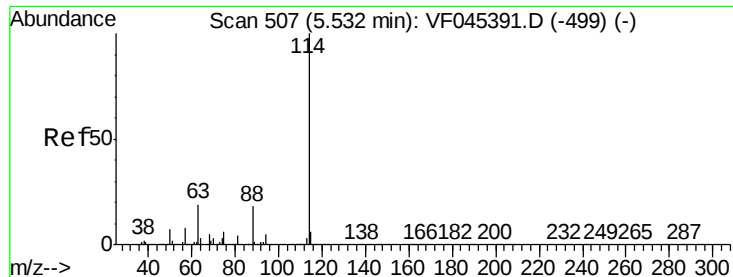
67 47.4 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

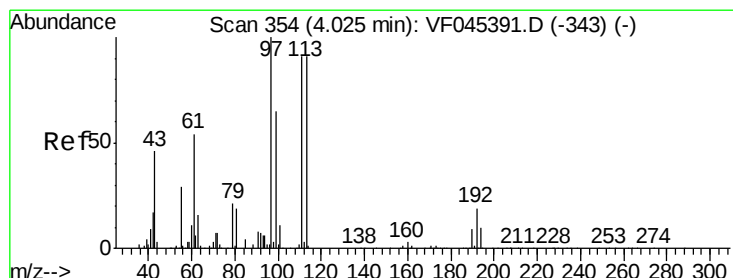
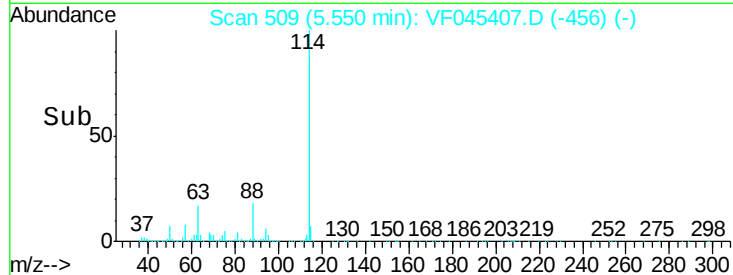
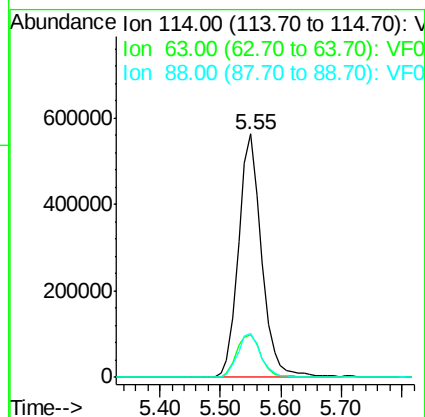
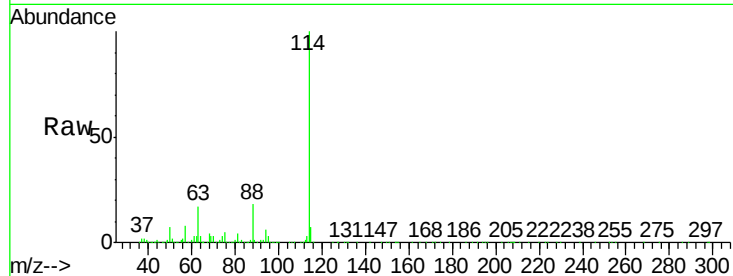




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

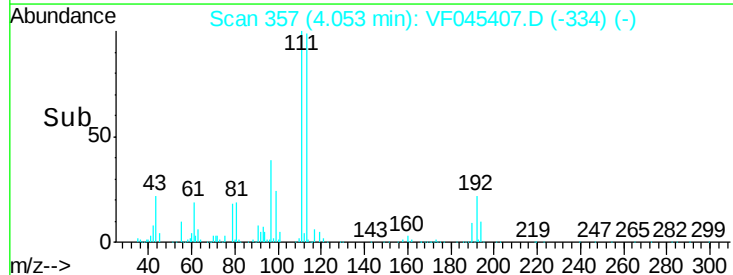
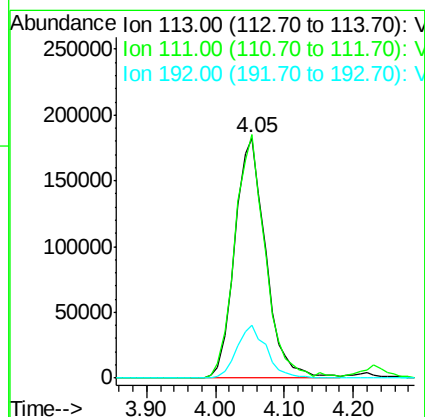
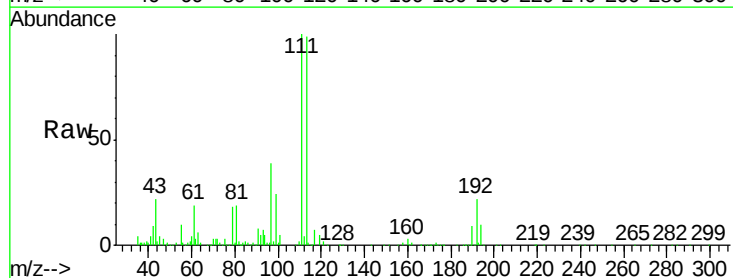
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

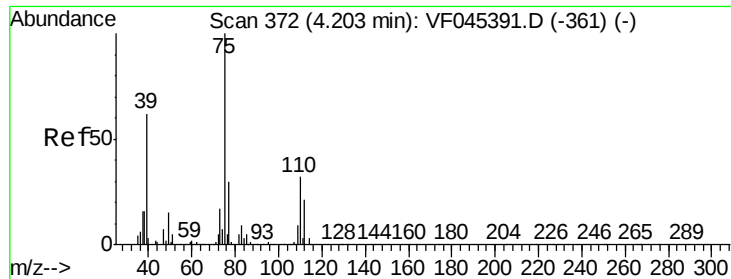
Tot Ion:114 Resp: 1494248
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.2
 88 18.3 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 49.17 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.03 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion:113 Resp: 569108
 Ion Ratio Lower Upper
 113 100
 111 101.5 75.5 113.3
 192 22.0 15.6 23.4

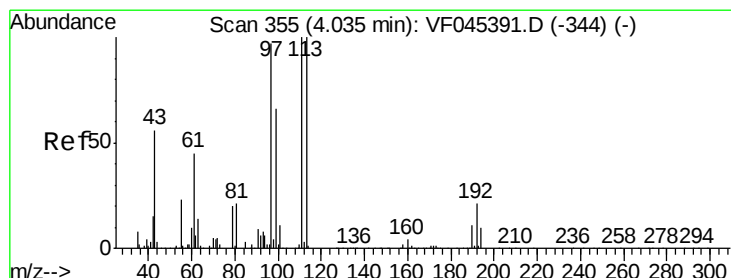
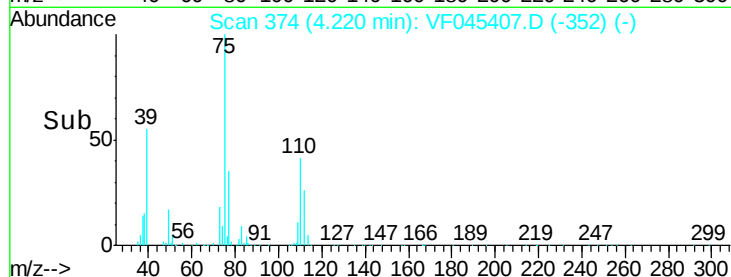
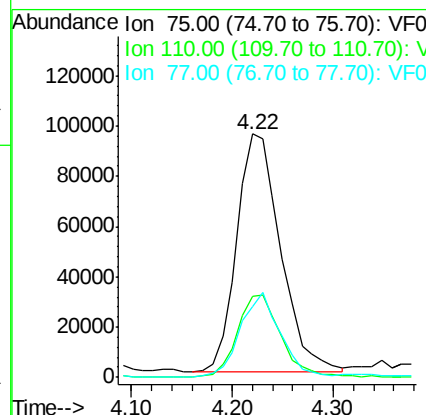
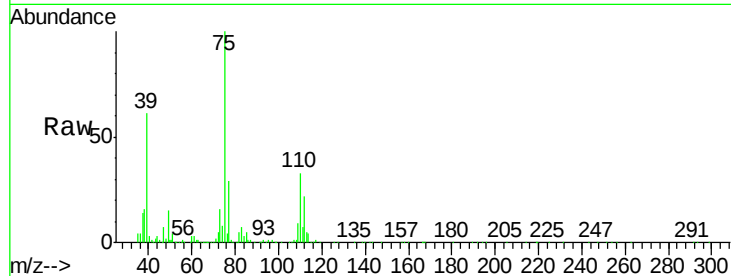




#35
 1,1-Dichloropropene
 Concen: 20.13 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

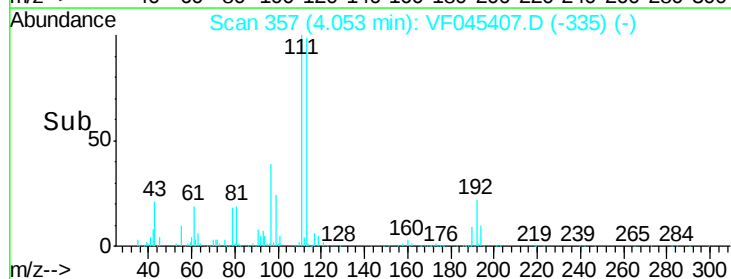
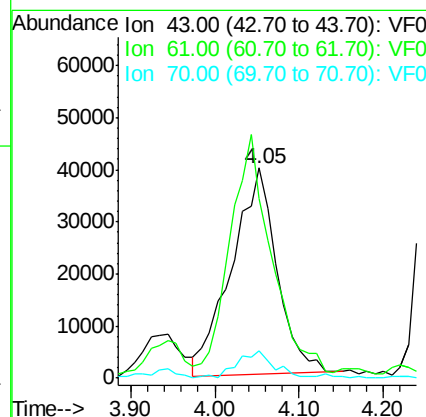
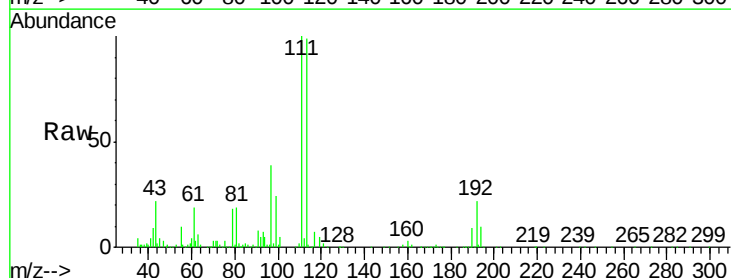
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

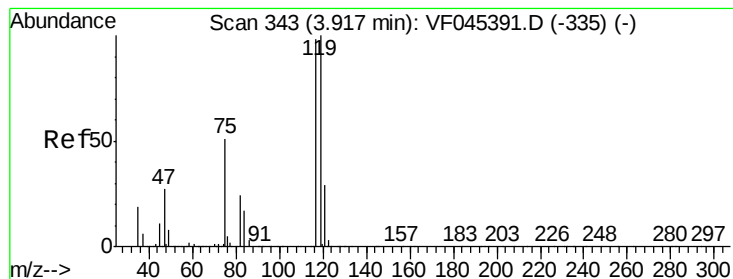
Tot Ion	75	Resp	285354
Ion Ratio	Lower	Upper	
75	100		
110	33.1	15.9	47.6
77	29.2	24.2	36.4



#36
 Ethyl Acetate
 Concen: 20.74 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	43	Resp	148736
Ion Ratio	Lower	Upper	
43	100		
61	85.7	49.4	74.0#
70	13.2	10.8	16.2





#37

Carbon Tetrachloride

Concen: 20.90 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

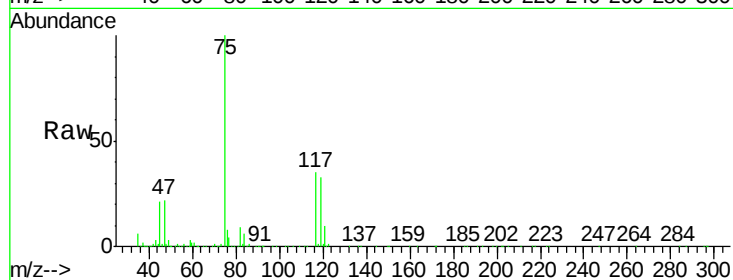
Tot Ion:117 Resp: 312163

Ion Ratio Lower Upper

117 100

119 94.0 77.8 116.8

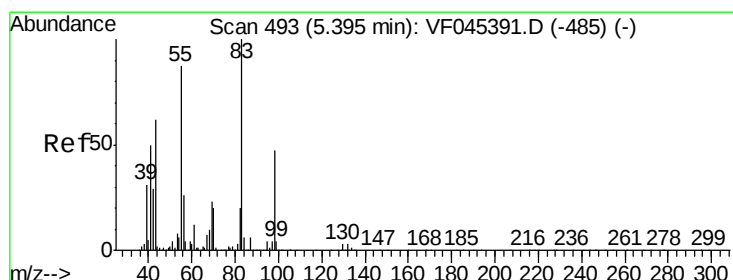
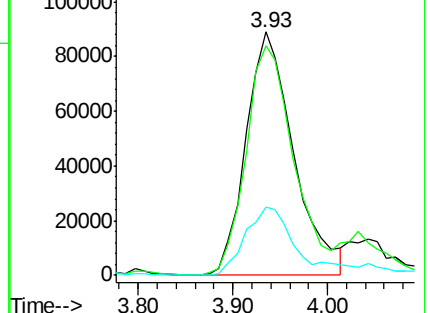
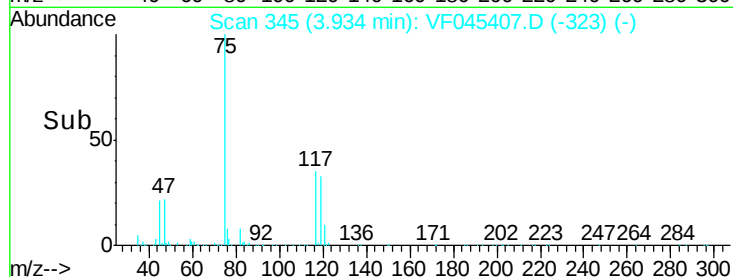
121 28.1 25.4 38.0



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



#38

Methylcyclohexane

Concen: 21.13 ug/l

RT: 5.41 min Scan# 495

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

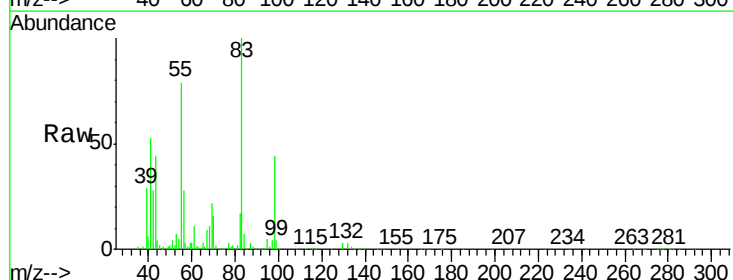
Tgt Ion: 83 Resp: 322054

Ion Ratio Lower Upper

83 100

55 78.7 60.5 90.7

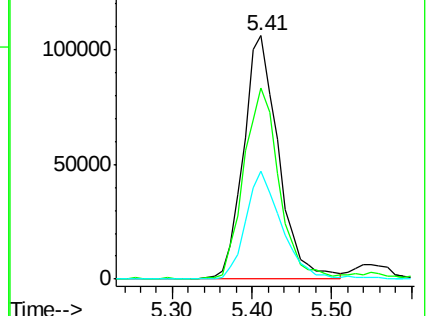
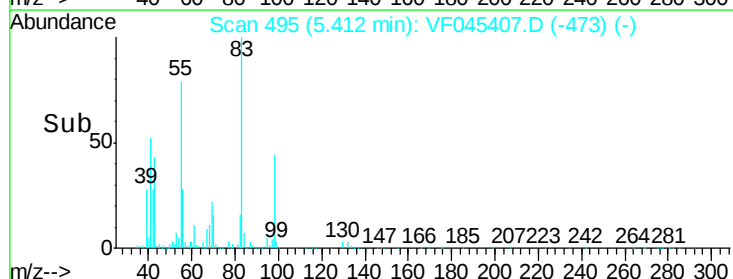
98 44.2 38.1 57.1

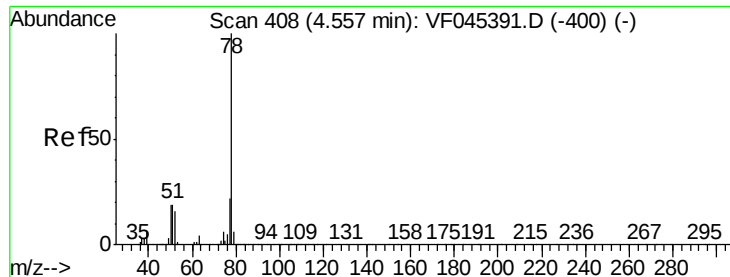


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 21.16 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

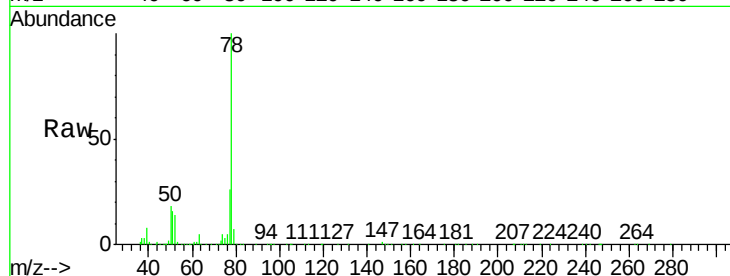
VF0917SBS01

Tot Ion: 78 Resp: 701188

Ion Ratio Lower Upper

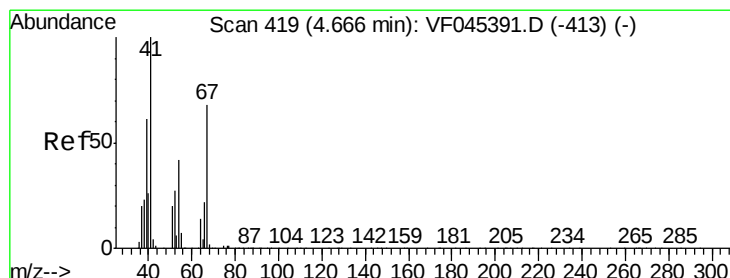
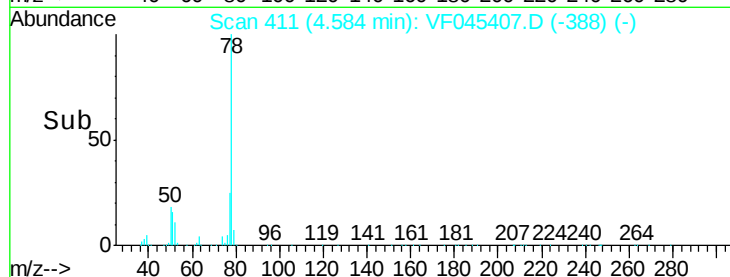
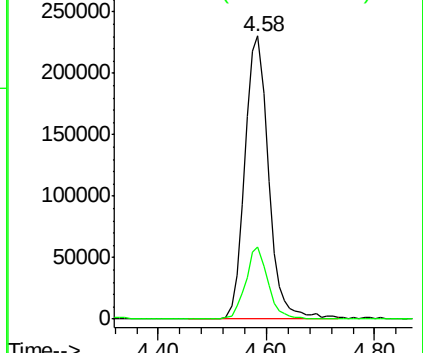
78 100

77 25.7 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#40

Methacrylonitrile

Concen: 19.34 ug/l

RT: 4.69 min Scan# 422

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion: 41 Resp: 65664

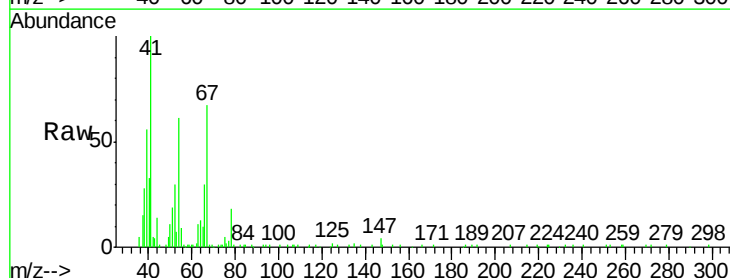
Ion Ratio Lower Upper

41 100

39 55.9 44.9 67.3

67 66.6 49.0 73.4

52 30.3 38.2 57.2#

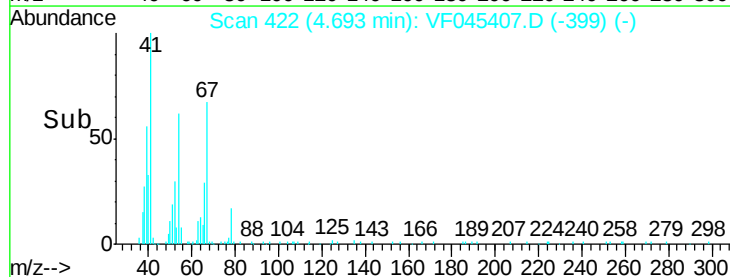
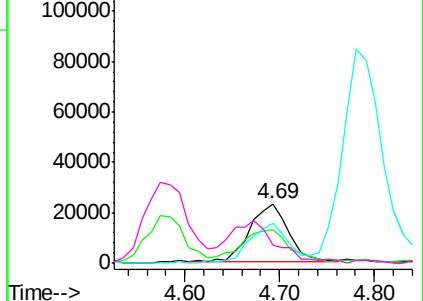


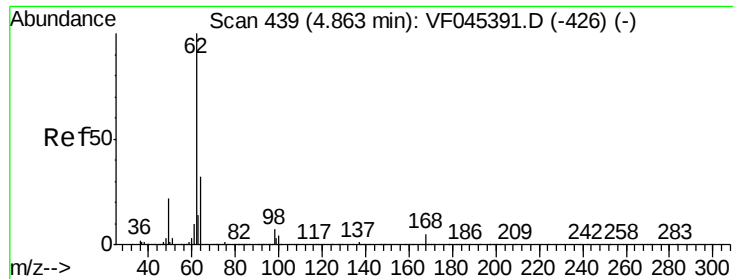
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#41

1,2-Dichloroethane

Concen: 19.57 ug/l

RT: 4.88 min Scan# 441

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

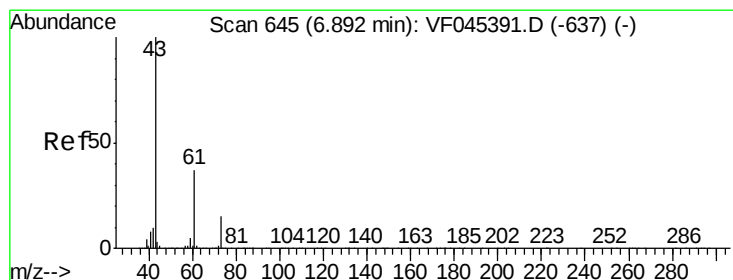
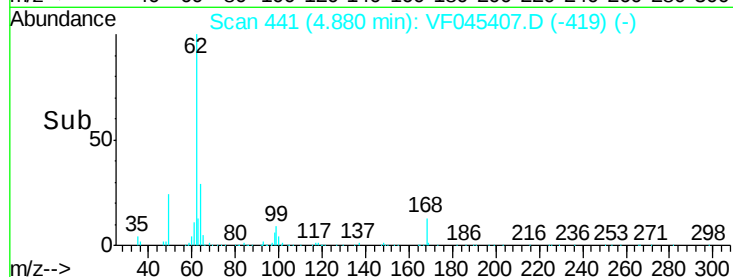
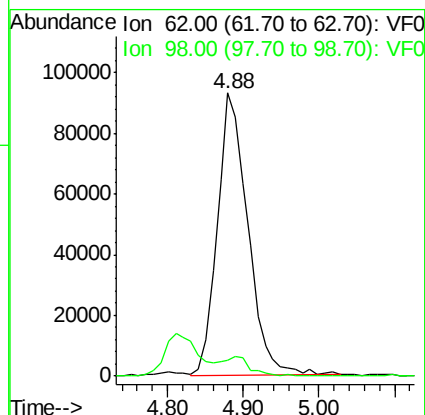
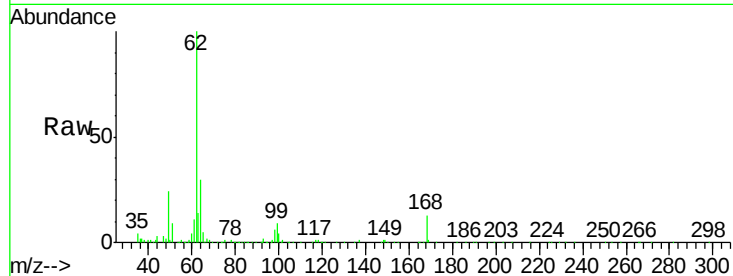
VF0917SBS01

Tot Ion: 62 Resp: 261642

Ion Ratio Lower Upper

62 100

98 5.8 0.0 17.0



#42

Isopropyl Acetate

Concen: 20.92 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

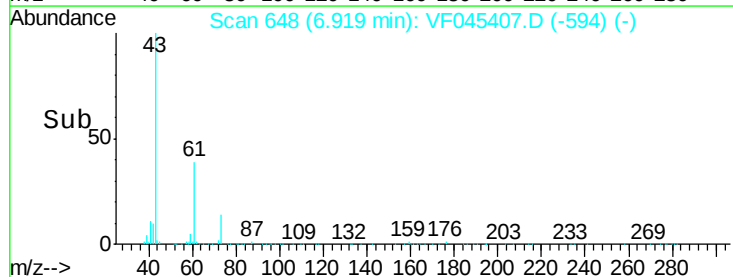
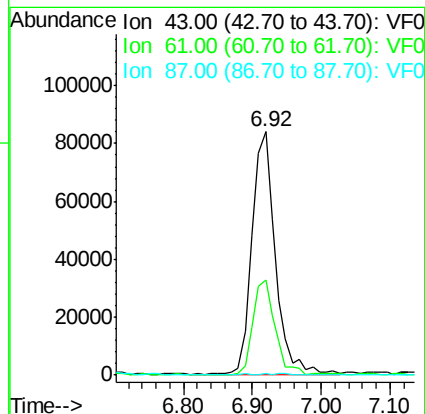
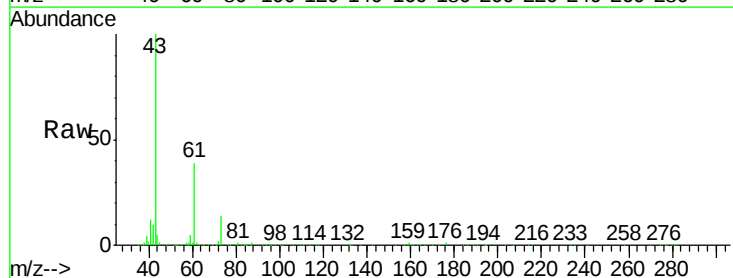
Tgt Ion: 43 Resp: 197717

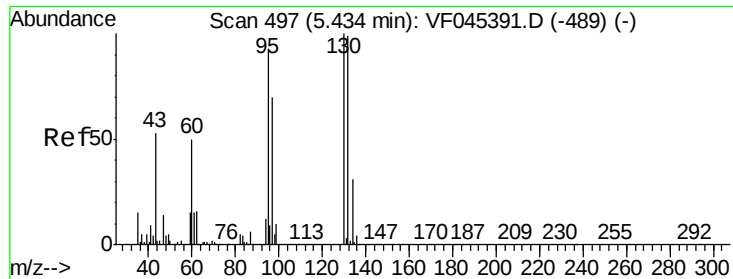
Ion Ratio Lower Upper

43 100

61 39.2 29.8 44.6

87 0.8 0.2 0.2#

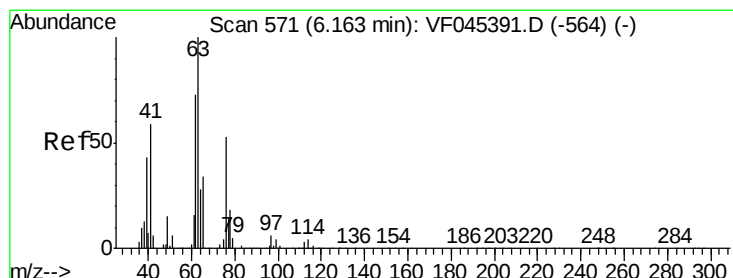
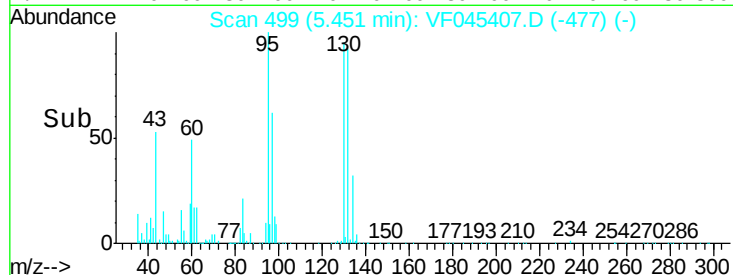
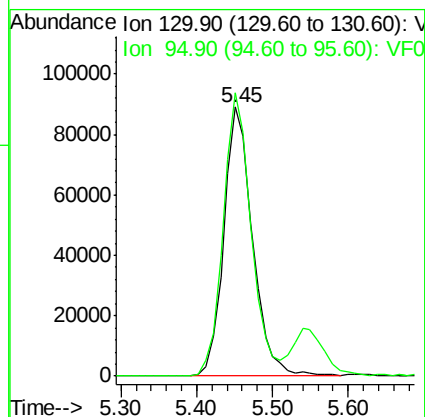
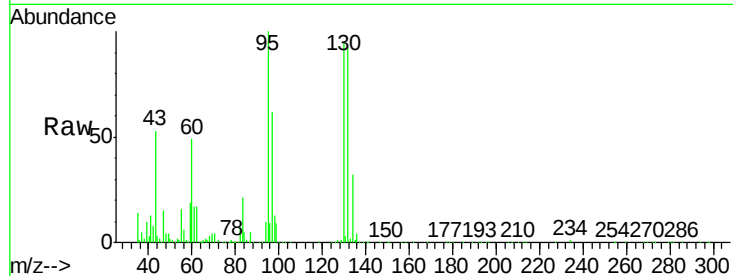




#43
 Trichloroethene
 Concen: 20.67 ug/l
 RT: 5.45 min Scan# 499
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

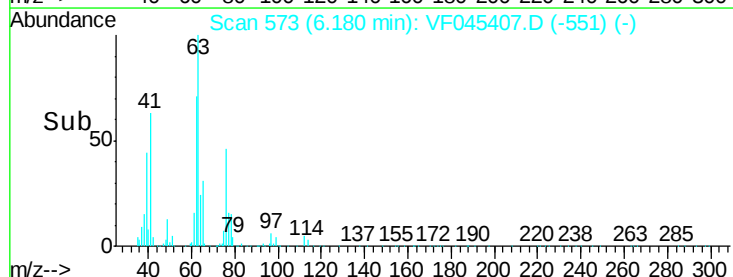
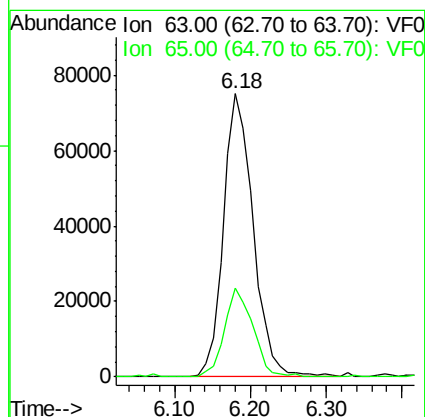
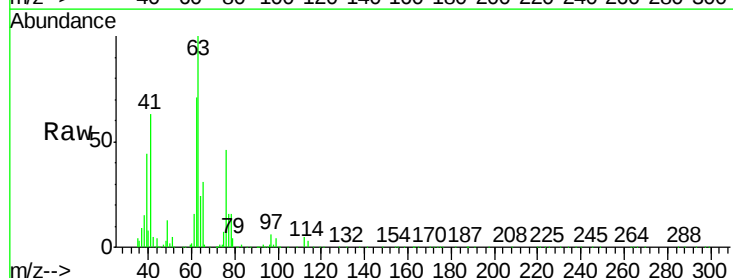
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

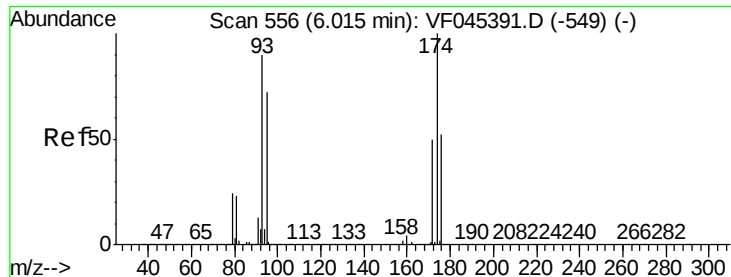
Tot Ion:130 Resp: 233905
 Ion Ratio Lower Upper
 130 100
 95 105.3 0.0 192.2



#44
 1,2-Dichloropropane
 Concen: 21.17 ug/l
 RT: 6.18 min Scan# 573
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion: 63 Resp: 204429
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.6 38.4





#45

Dibromomethane

Concen: 20.26 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

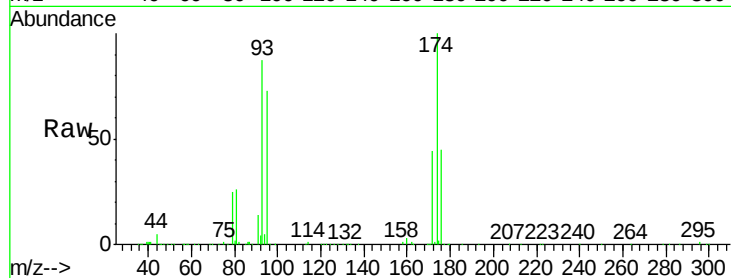
Tot Ion: 93 Resp: 139233

Ion Ratio Lower Upper

93 100

95 83.8 69.8 104.6

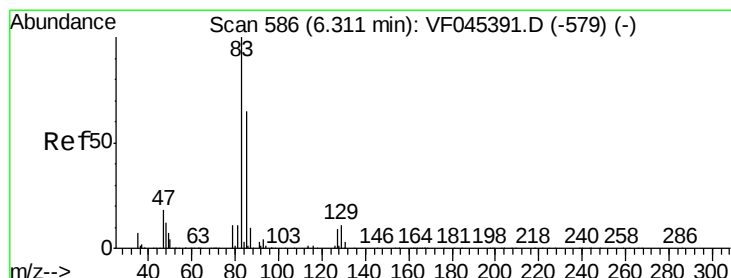
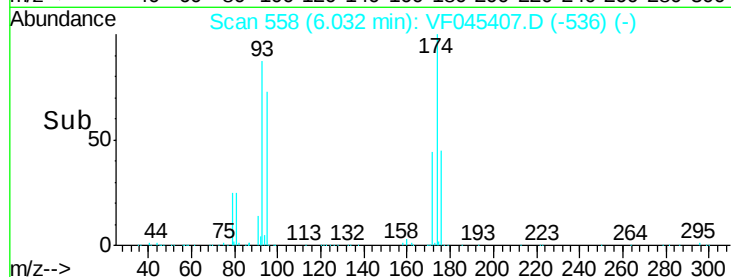
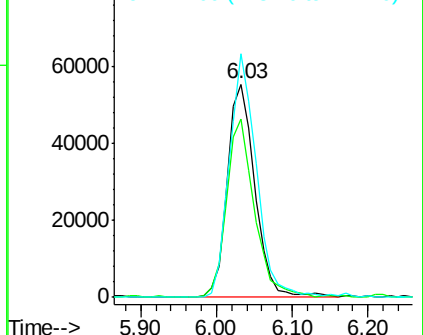
174 114.3 90.5 135.7



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#46

Bromodichloromethane

Concen: 19.63 ug/l

RT: 6.33 min Scan# 588

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

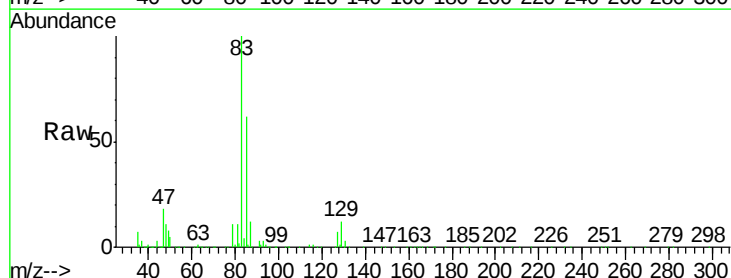
Tgt Ion: 83 Resp: 301973

Ion Ratio Lower Upper

83 100

85 62.3 50.6 75.8

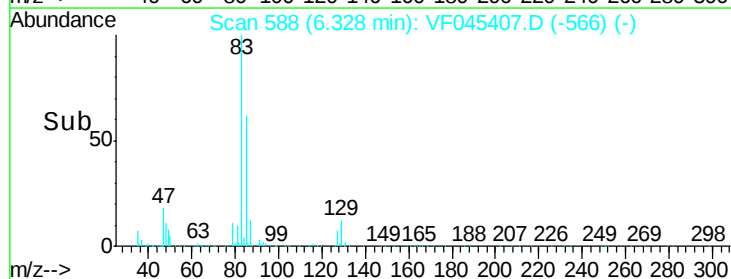
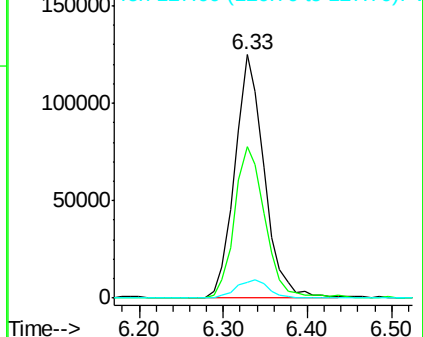
127 6.7 7.7 11.5#

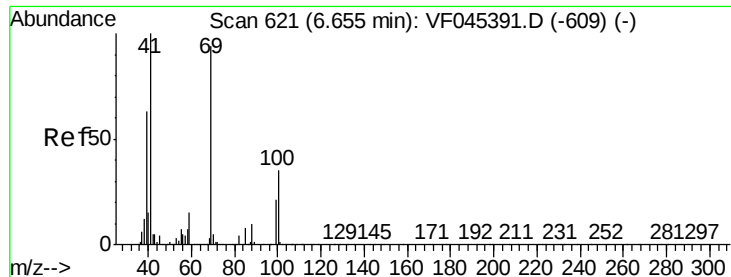


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

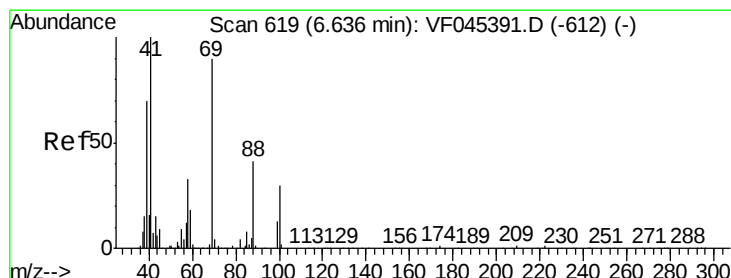
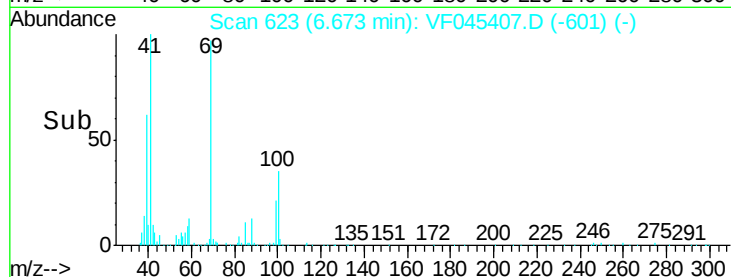
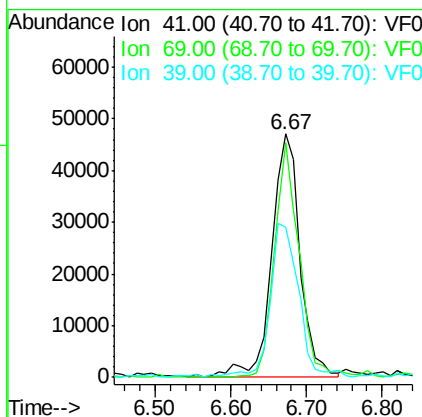
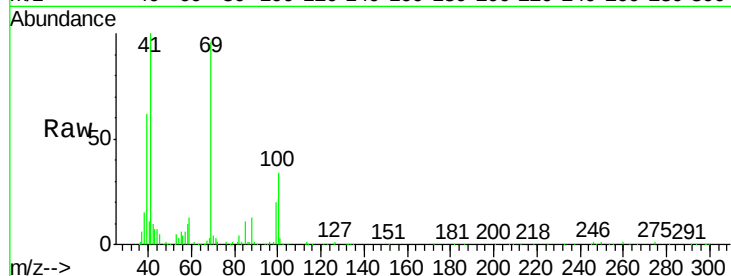




#47
Methvl methacrvlate
Concen: 21.05 ug/l
RT: 6.67 min Scan# 623
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

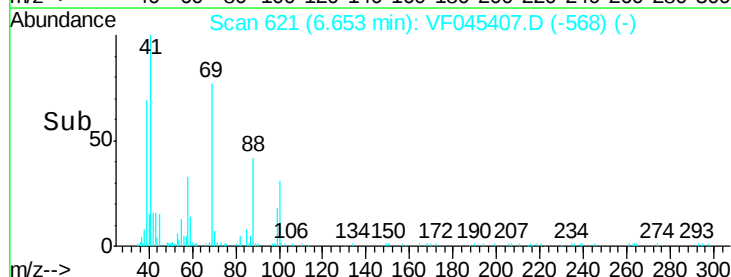
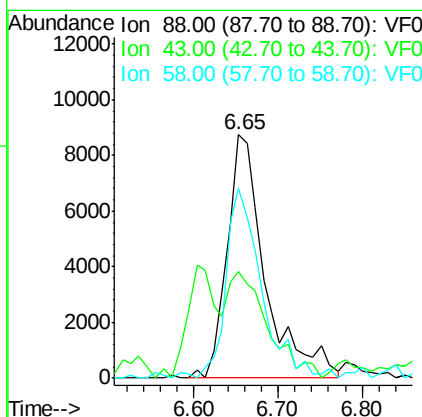
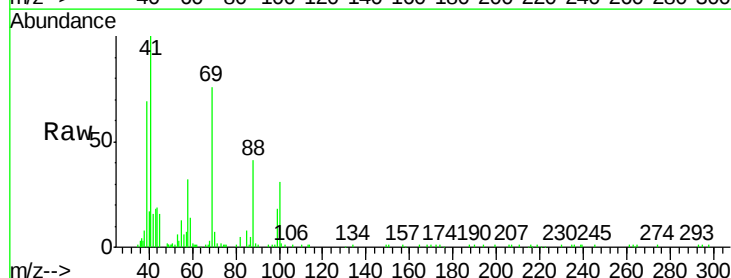
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

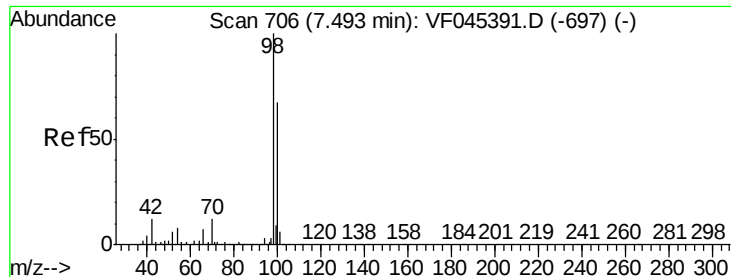
Tot Ion: 41 Resp: 120722
Ion Ratio Lower Upper
41 100
69 96.3 63.3 94.9#
39 61.6 48.9 73.3



#48
1,4-Dioxane
Concen: 402.26 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 88 Resp: 27640
Ion Ratio Lower Upper
88 100
43 43.8 34.5 51.7
58 78.0 46.5 69.7#





#49

Toluene-d8

Concen: 52.01 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

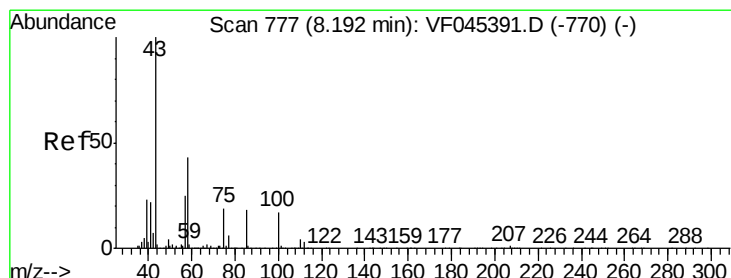
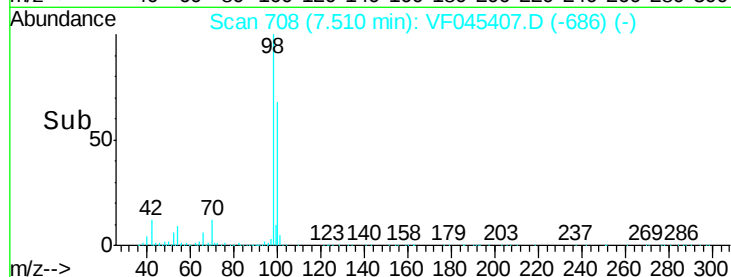
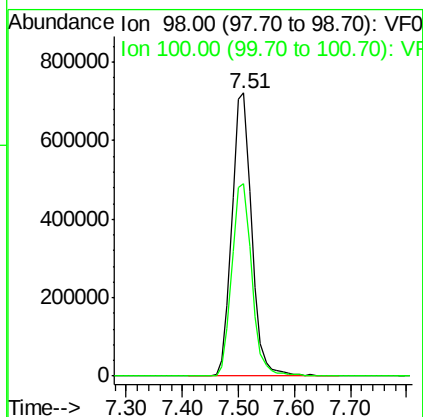
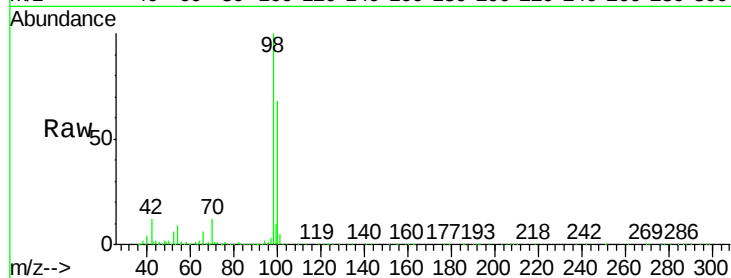
VF0917SBS01

Tot Ion: 98 Resp: 1773562

Ion Ratio Lower Upper

98 100

100 68.2 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 105.08 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF045407.D

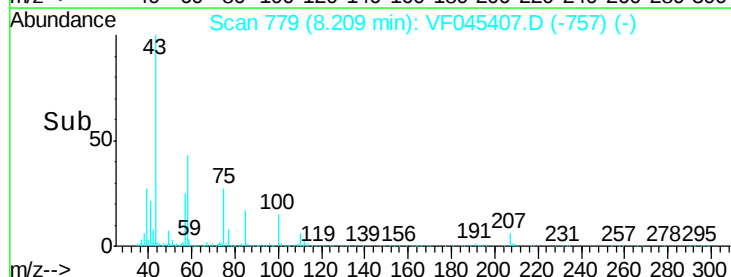
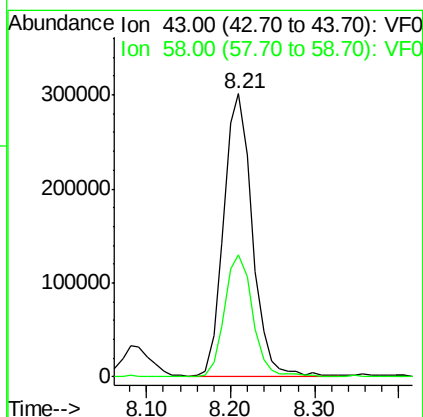
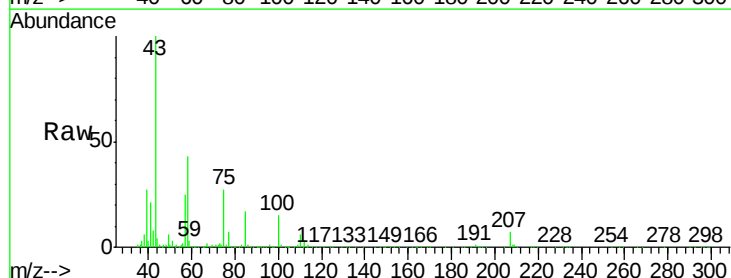
Acq: 17 Sep 2015 15:33

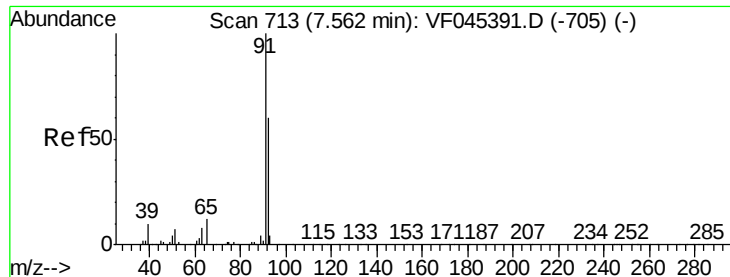
Tgt Ion: 43 Resp: 706125

Ion Ratio Lower Upper

43 100

58 43.1 33.6 50.4





#51

Toluene

Concen: 22.45 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

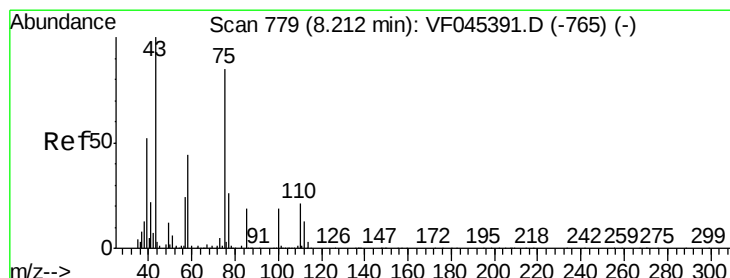
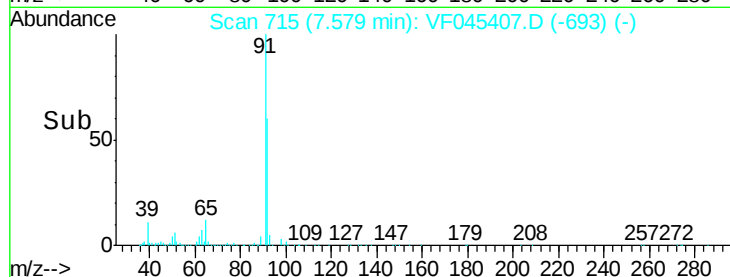
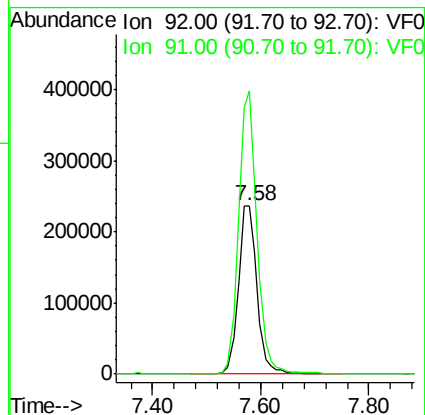
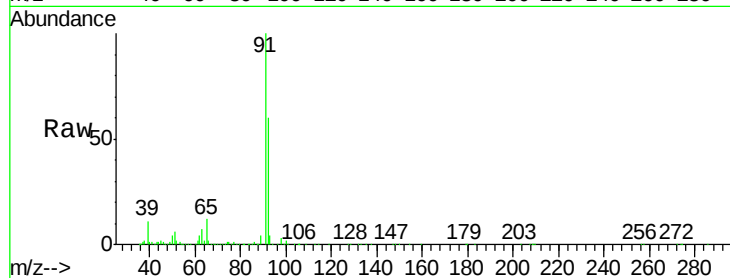
VF0917SBS01

Tot Ion: 92 Resp: 573305

Ion Ratio Lower Upper

92 100

91 167.8 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 20.83 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF045407.D

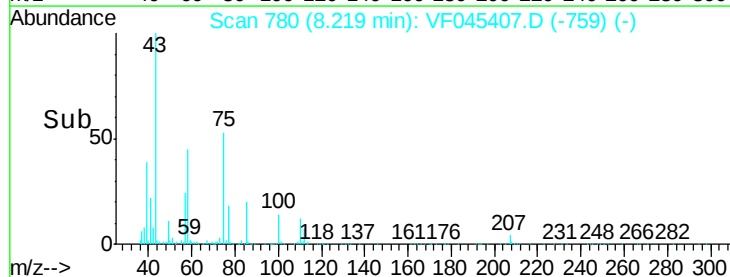
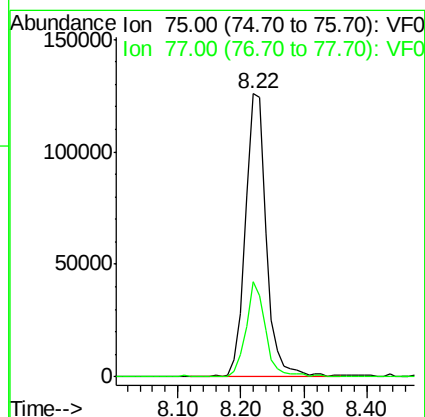
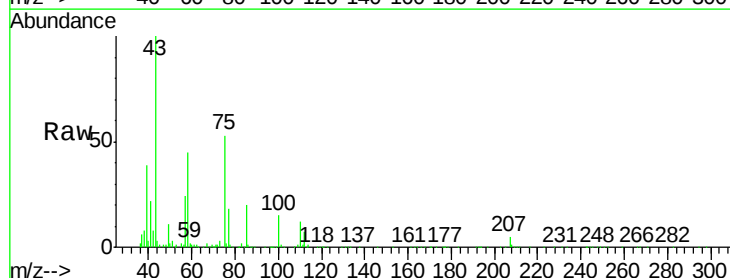
Acq: 17 Sep 2015 15:33

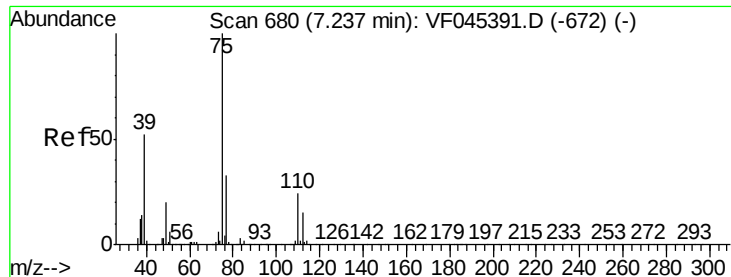
Tgt Ion: 75 Resp: 288112

Ion Ratio Lower Upper

75 100

77 33.7 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 21.29 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

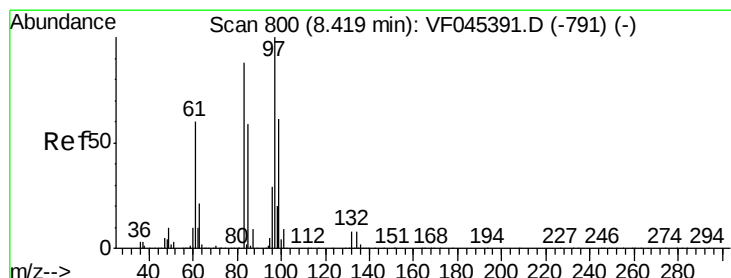
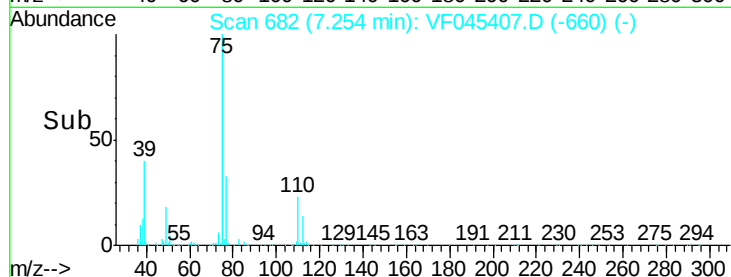
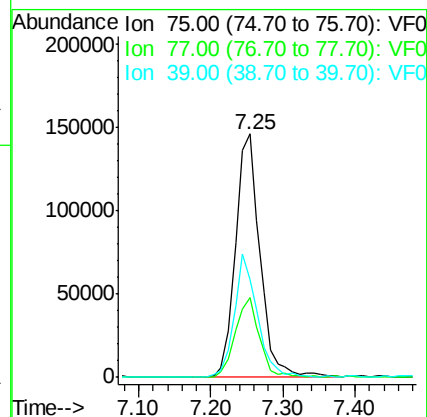
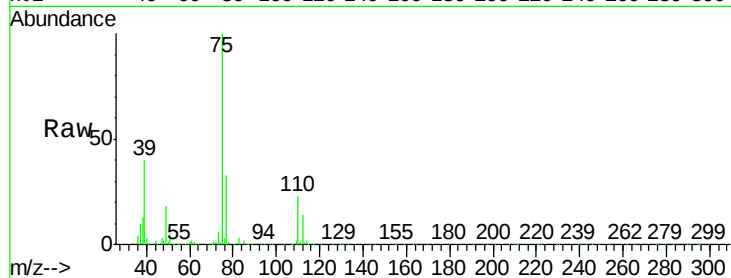
Tot Ion: 75 Resp: 347643

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

39 40.4 41.6 62.4#



#54

1,1,2-Trichloroethane

Concen: 21.66 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion: 97 Resp: 187041

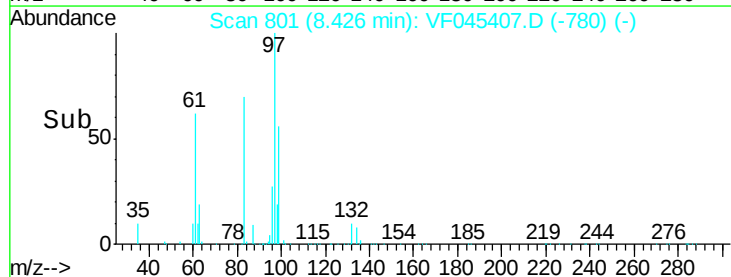
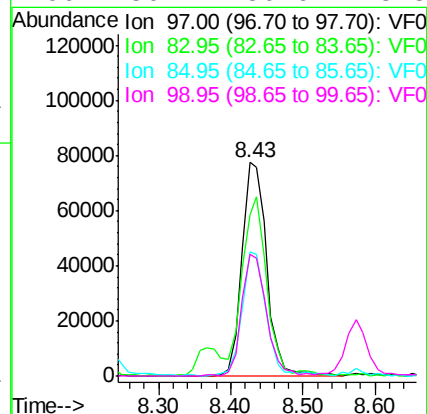
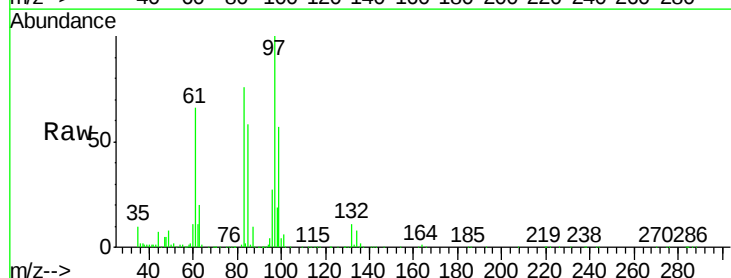
Ion Ratio Lower Upper

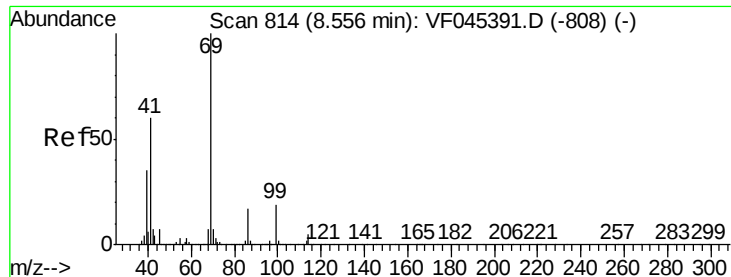
97 100

83 75.7 70.1 105.1

85 58.1 47.4 71.2

99 56.7 50.6 75.8





#55

Ethyl methacrylate

Concen: 20.19 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

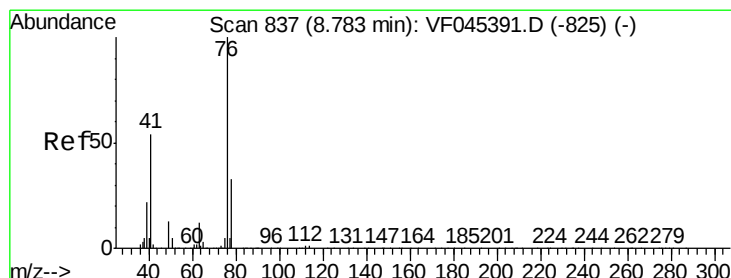
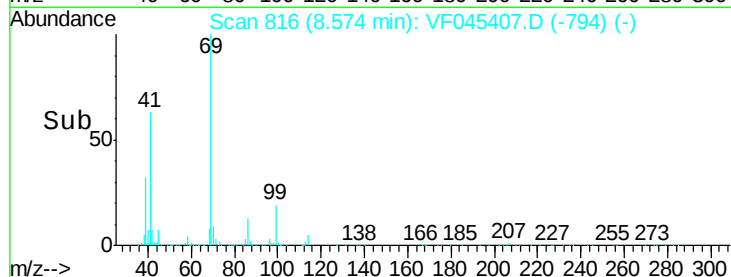
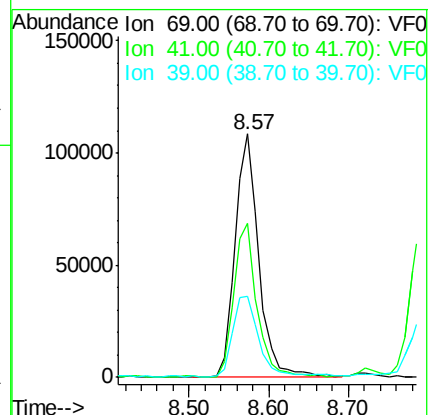
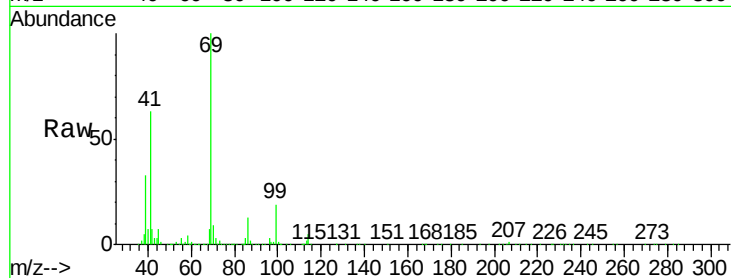
Tot Ion: 69 Resp: 226891

Ion Ratio Lower Upper

69 100

41 63.4 51.0 76.4

39 33.3 29.1 43.7



#56

1,3-Dichloropropane

Concen: 20.98 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.01 min

Lab File: VF045407.D

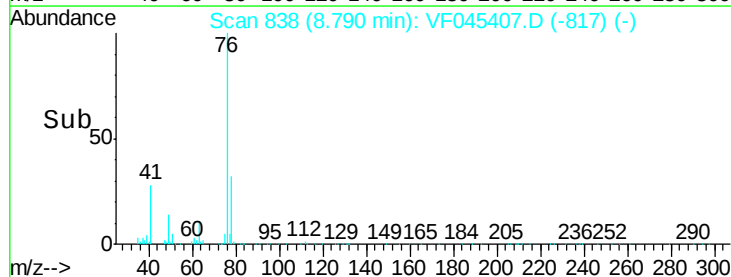
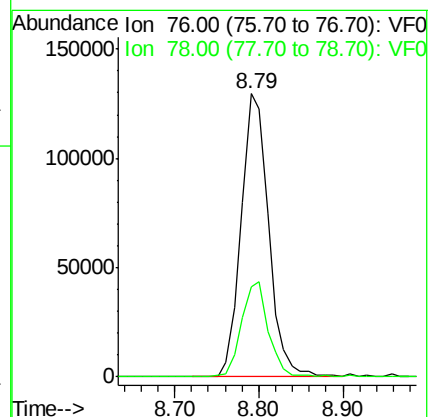
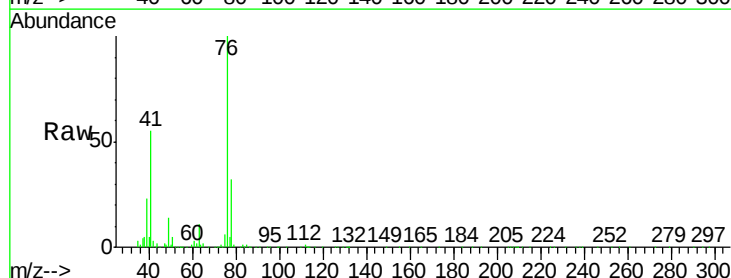
Acq: 17 Sep 2015 15:33

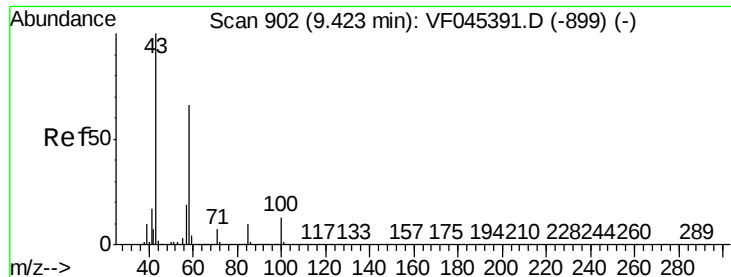
Tgt Ion: 76 Resp: 295631

Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1





#58

2-Hexanone

Concen: 111.15 ug/l

RT: 9.44 min Scan# 904

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

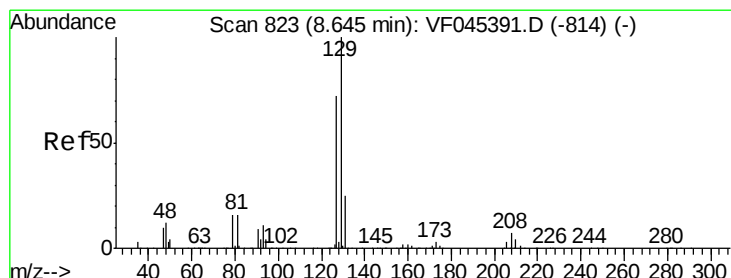
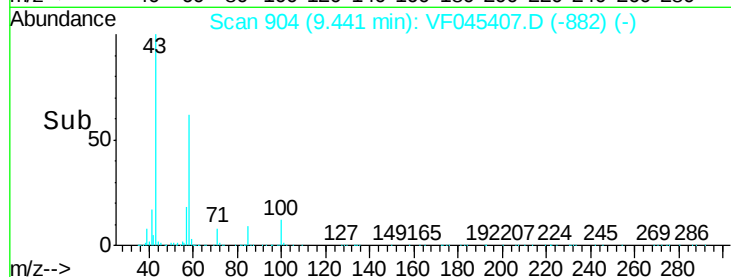
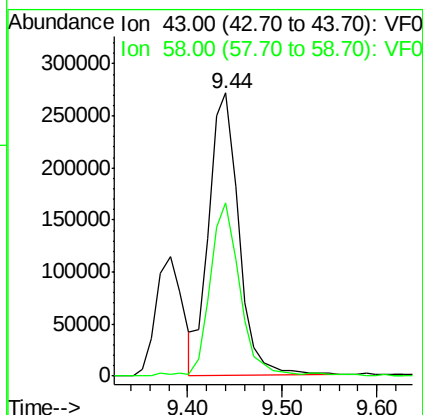
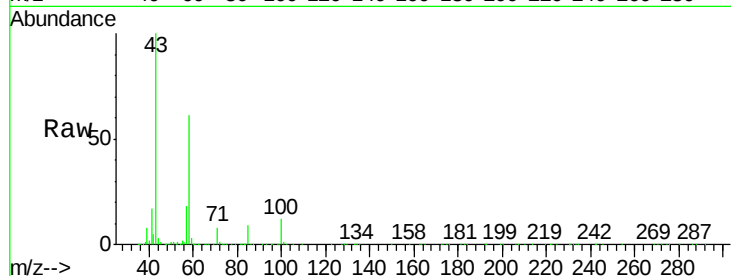
VF0917SBS01

Tot Ion: 43 Resp: 594510

Ion Ratio Lower Upper

43 100

58 61.4 28.8 86.5



#59

Dibromochloromethane

Concen: 19.48 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF045407.D

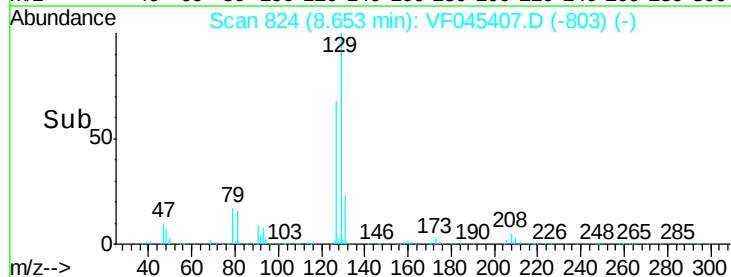
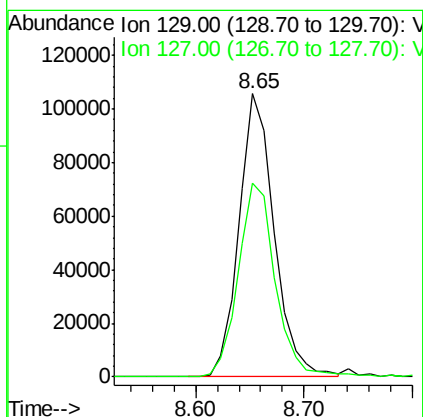
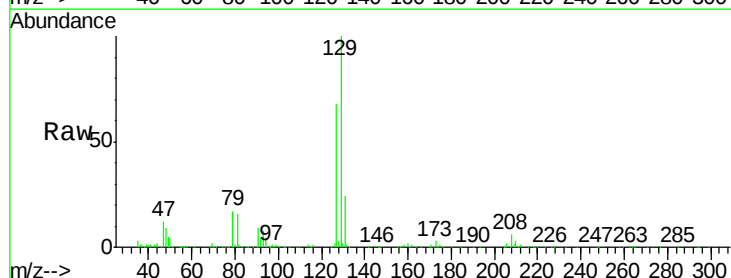
Acq: 17 Sep 2015 15:33

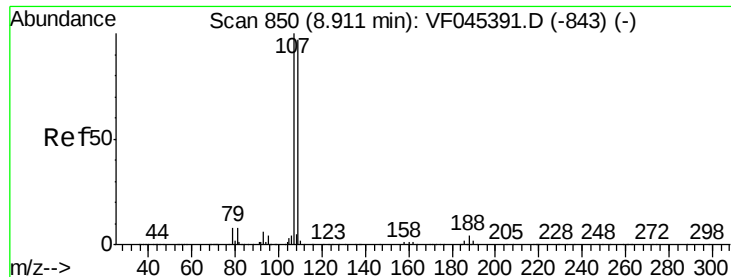
Tgt Ion: 129 Resp: 238468

Ion Ratio Lower Upper

129 100

127 68.3 38.2 114.6

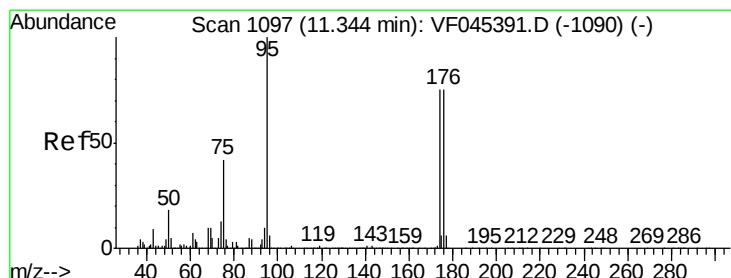
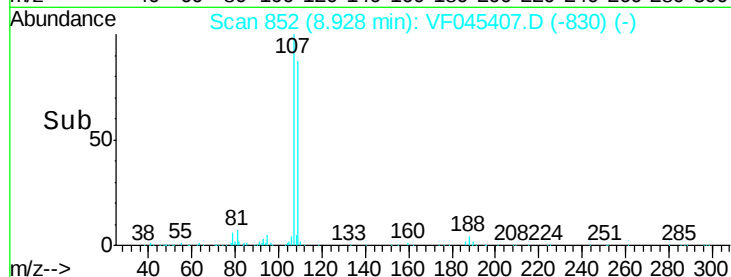
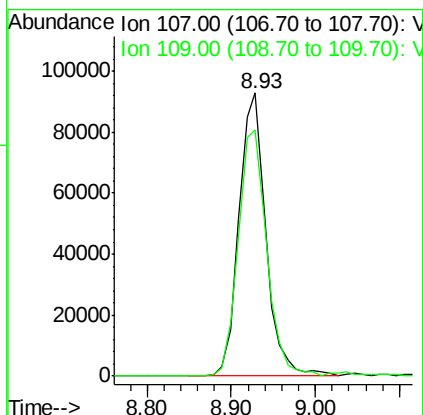
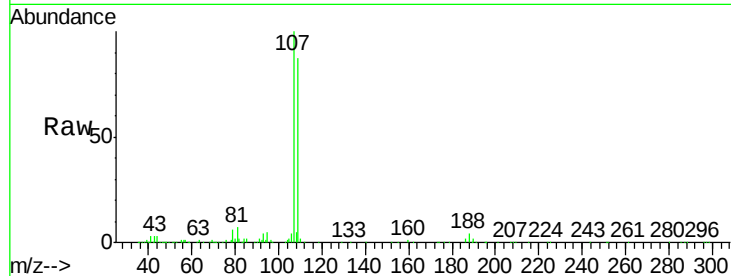




#60
 1,2-Dibromoethane
 Concen: 21.06 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

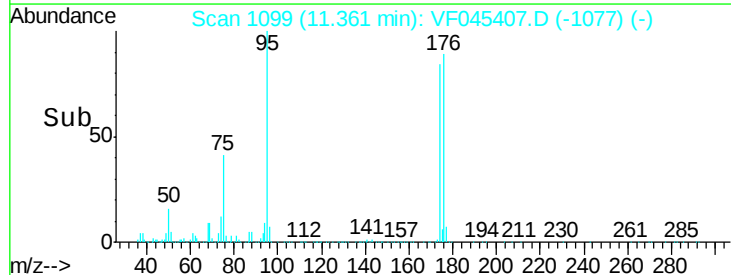
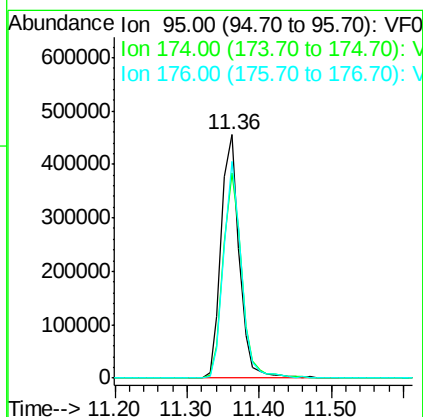
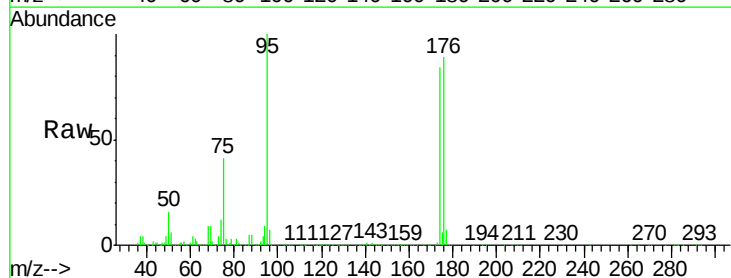
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

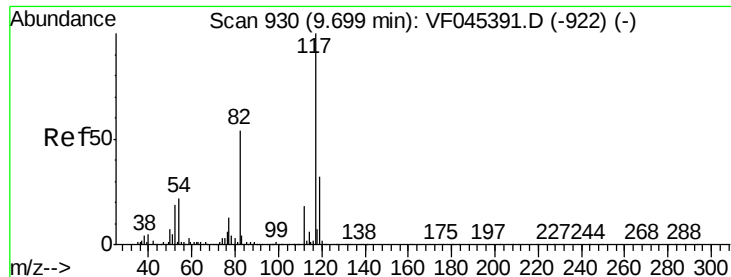
Tot Ion:107 Resp: 206429
 Ion Ratio Lower Upper
 107 100
 109 87.1 79.4 119.0



#61
 4-Bromofluorobenzene
 Concen: 48.56 ug/l
 RT: 11.36 min Scan# 1099
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion: 95 Resp: 796065
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 177.8
 176 89.2 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.72 min Scan# 932

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

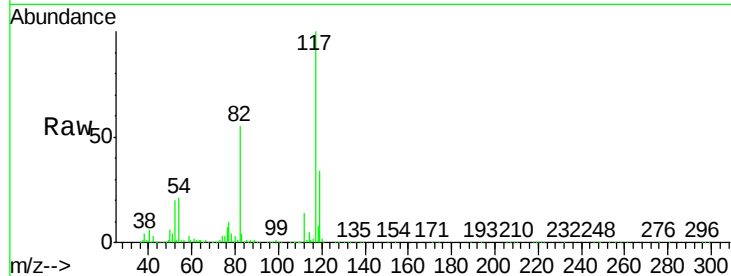
Tot Ion:117 Resp: 1329788

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.6

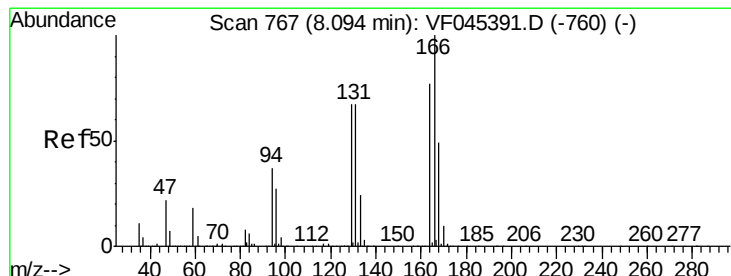
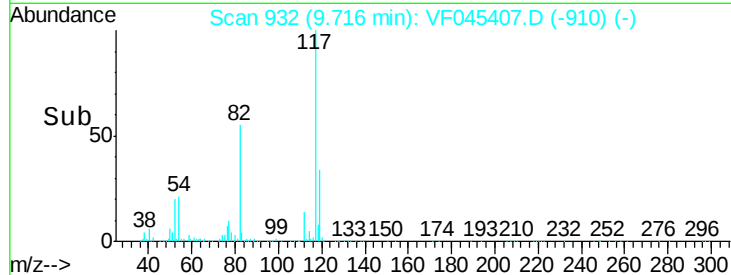
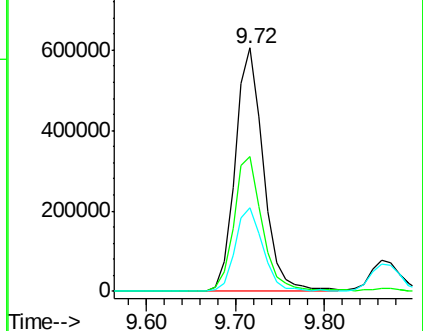
119 34.2 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 23.20 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:164 Resp: 245066

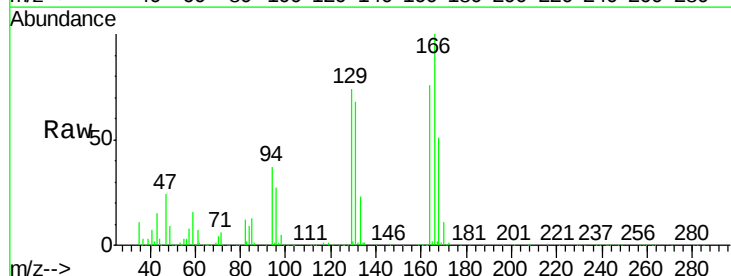
Ion Ratio Lower Upper

164 100

166 131.8 106.0 159.0

129 97.9 69.8 104.6

131 89.1 68.2 102.4

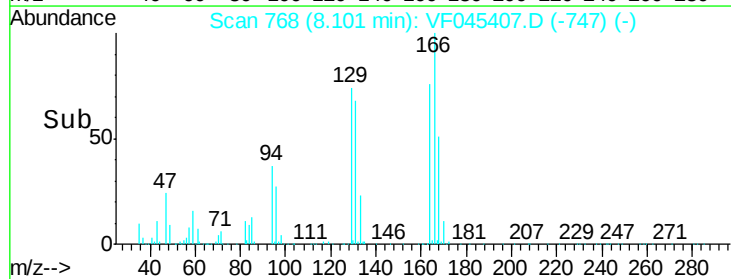
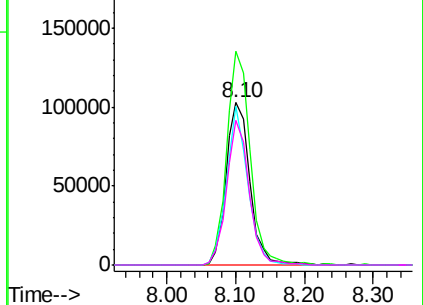


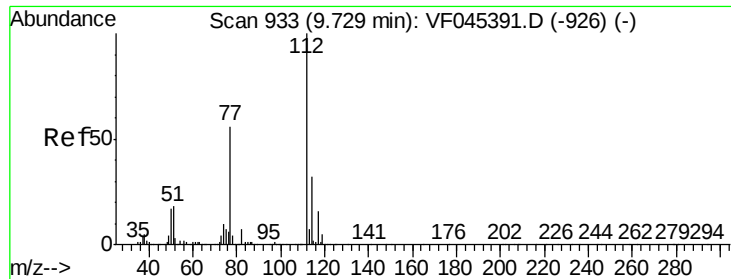
Abundance Ion 163.85 (163.55 to 164.55): V

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





#64

Chlorobenzene

Concen: 22.83 ug/l

RT: 9.74 min Scan# 934

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

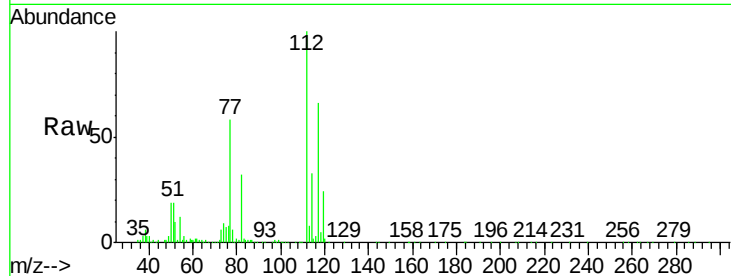
VF0917SBS01

Tot Ion:112 Resp: 637049

Ion Ratio Lower Upper

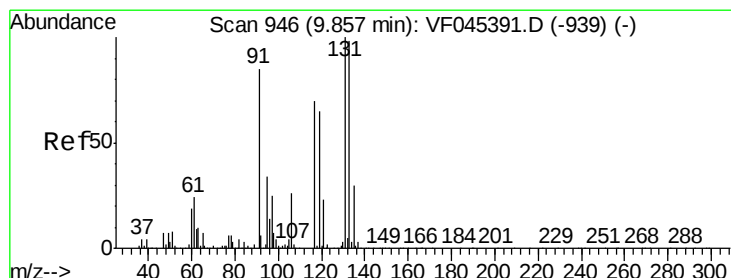
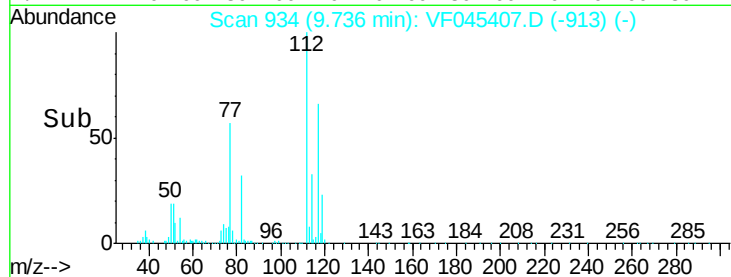
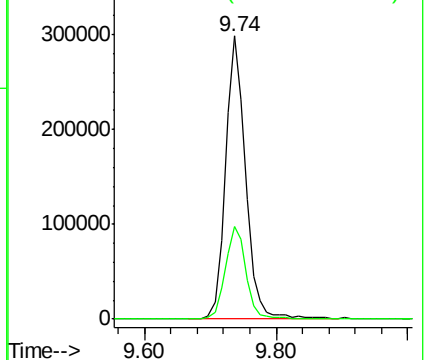
112 100

114 32.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 21.84 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

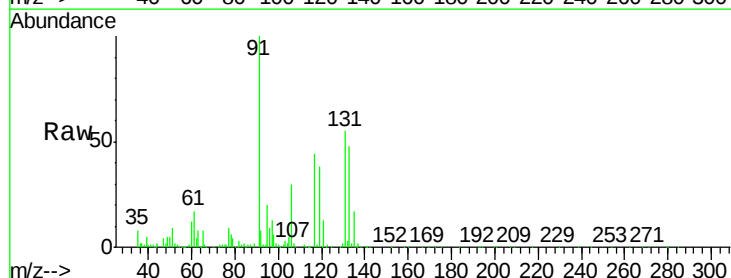
Tgt Ion:131 Resp: 222763

Ion Ratio Lower Upper

131 100

133 86.5 48.1 144.4

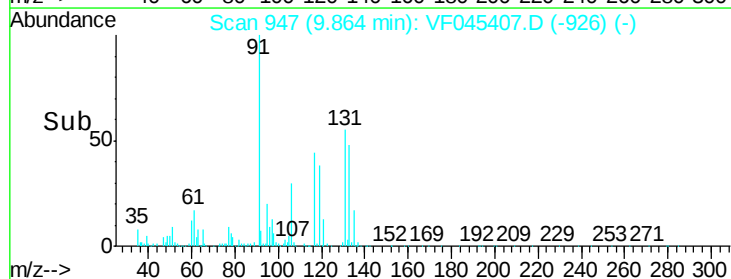
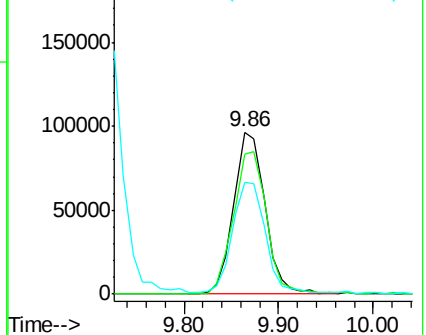
119 69.2 34.8 104.5

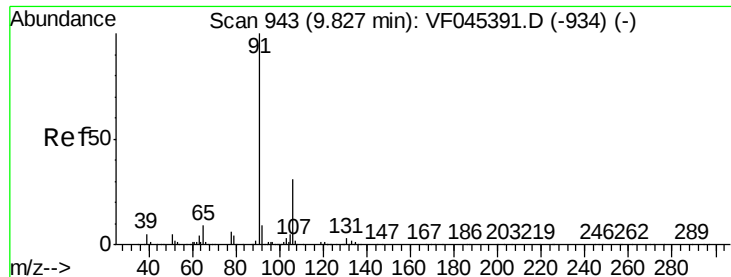


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

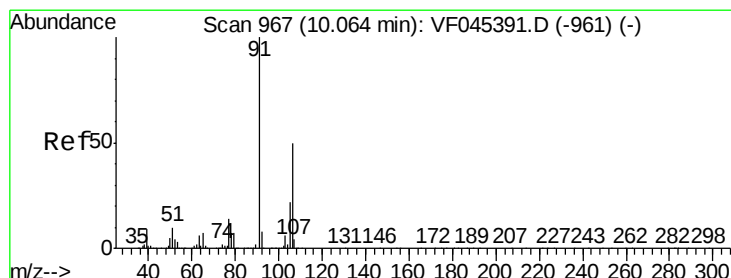
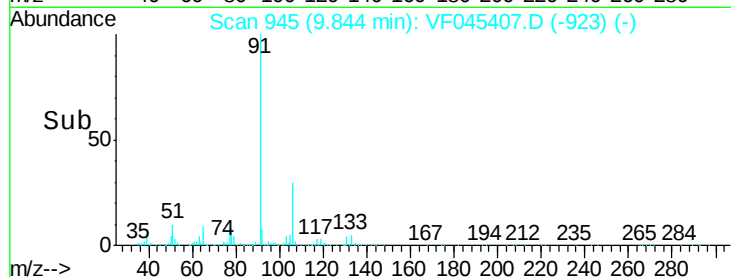
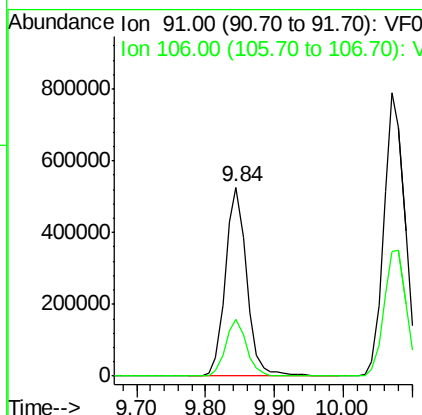
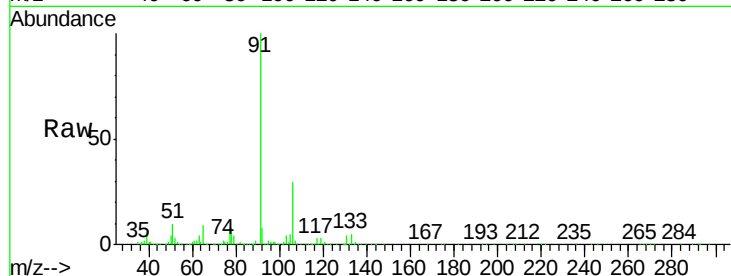




#66
Ethyl Benzene
Concen: 23.35 ug/l
RT: 9.84 min Scan# 945
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

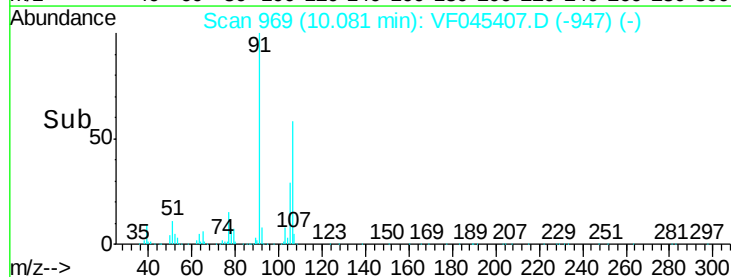
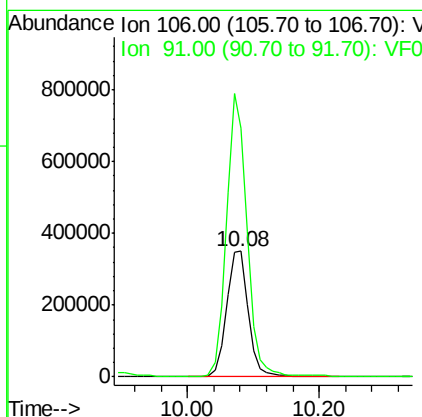
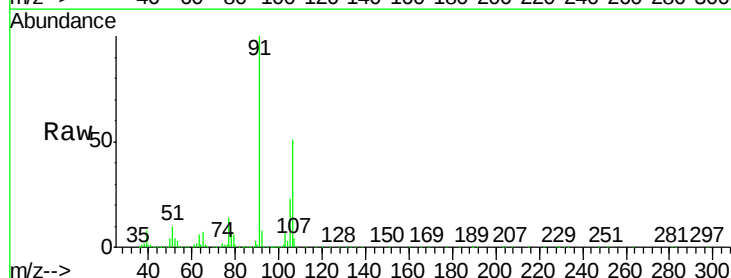
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

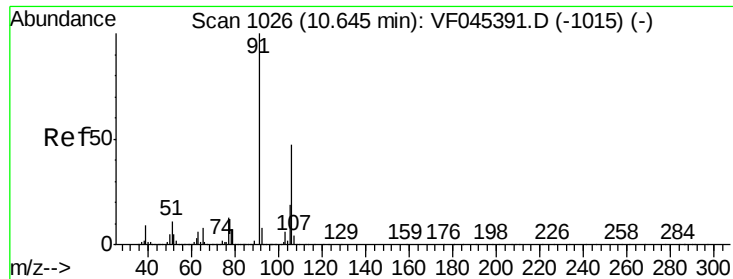
Tot Ion: 91 Resp: 1128754
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4



#67
m/p-Xylenes
Concen: 46.55 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 106 Resp: 806583
Ion Ratio Lower Upper
106 100
91 197.5 166.1 249.1

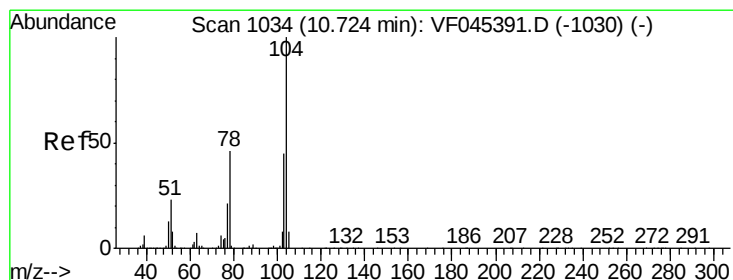
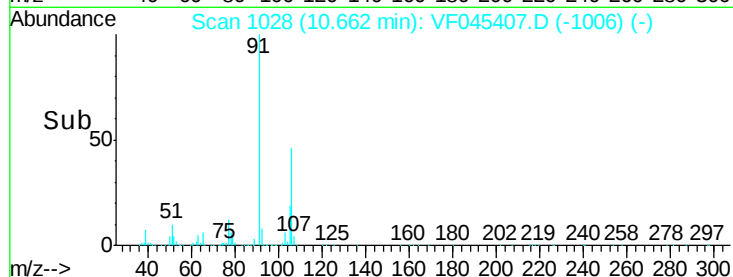
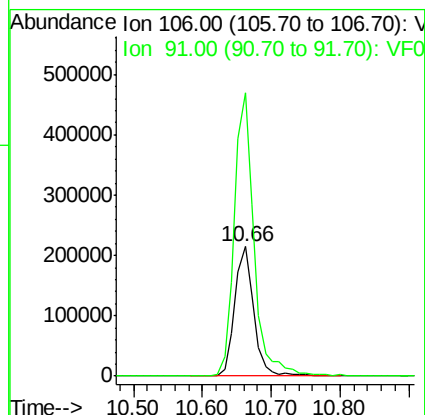
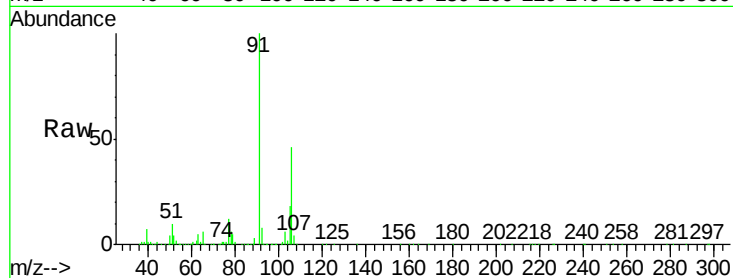




#68
o-Xylene
Concen: 22.92 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

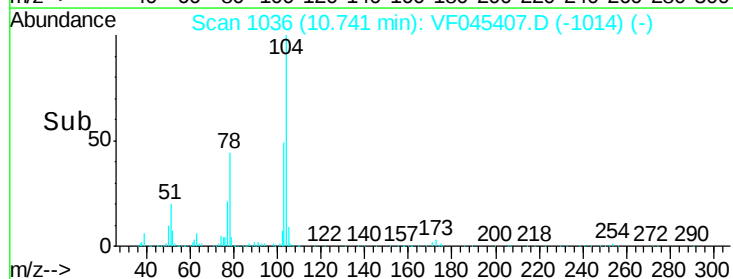
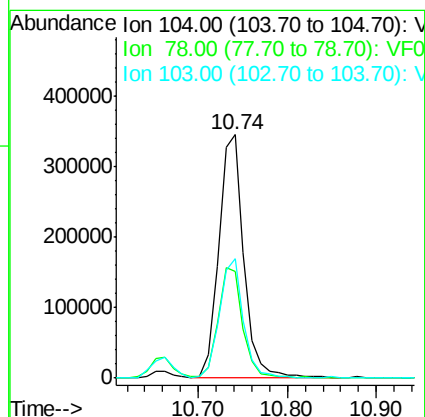
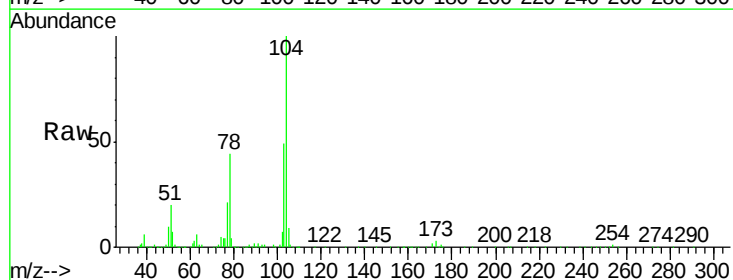
Instrument :
MSVOA_F
ClientSampled :
VF0917SBS01

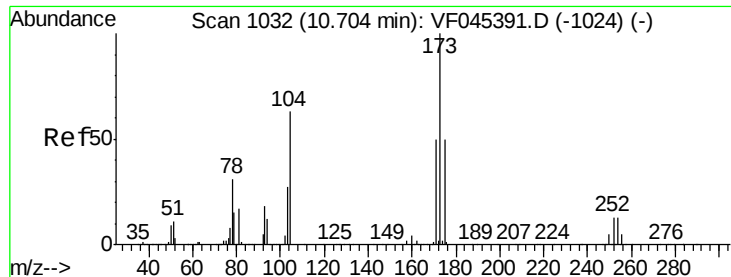
Tot Ion:106 Resp: 412147
Ion Ratio Lower Upper
106 100
91 218.7 108.1 324.2



#69
Styrene
Concen: 23.54 ug/l
RT: 10.74 min Scan# 1036
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion:104 Resp: 675668
Ion Ratio Lower Upper
104 100
78 43.9 34.2 51.4
103 48.8 36.7 55.1





#70

Bromoform

Concen: 20.39 ug/l

RT: 10.71 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

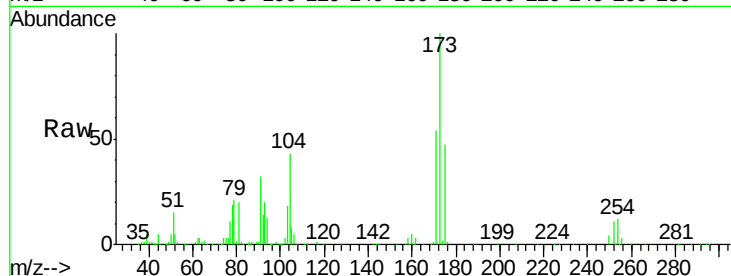
Tot Ion:173 Resp: 154272

Ion Ratio Lower Upper

173 100

175 46.7 25.7 77.0

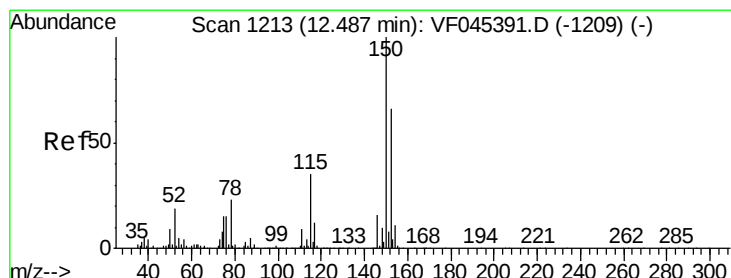
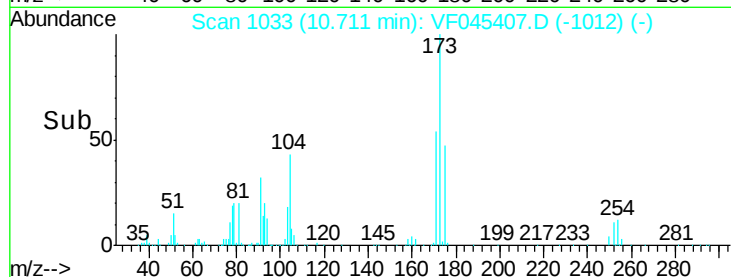
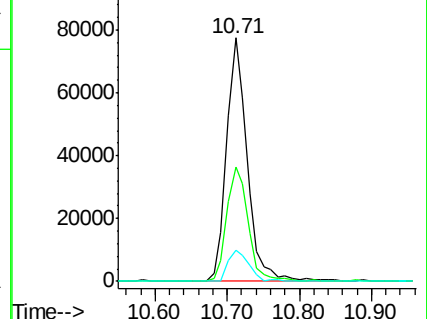
254 12.6 9.8 14.6



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



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

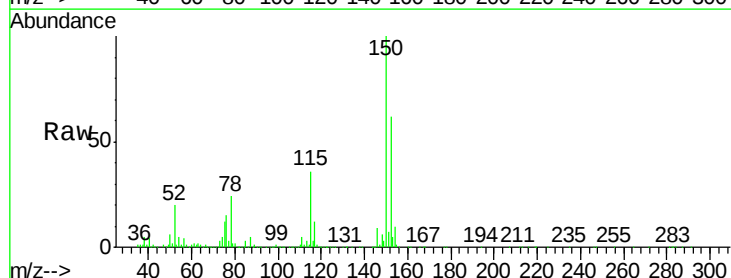
Tgt Ion:152 Resp: 776547

Ion Ratio Lower Upper

152 100

115 57.8 28.3 85.0

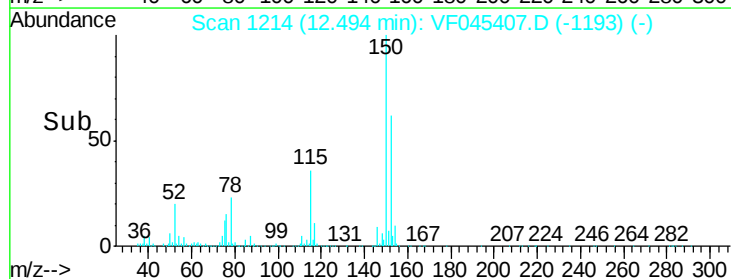
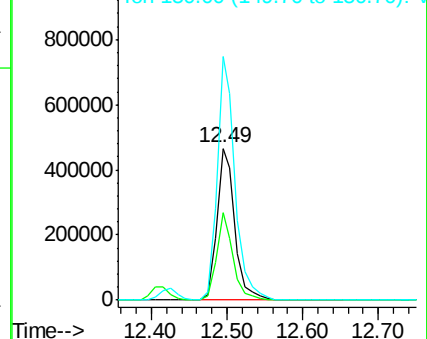
150 160.2 0.0 324.2

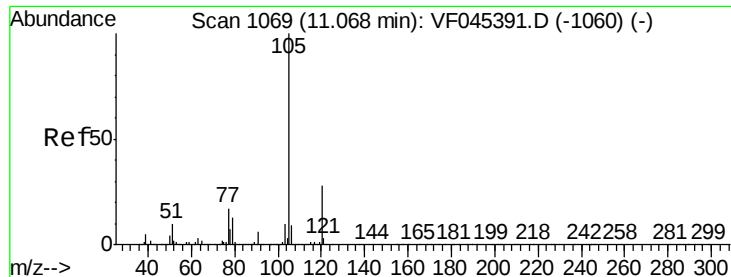


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 22.83 ug/l

RT: 11.08 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

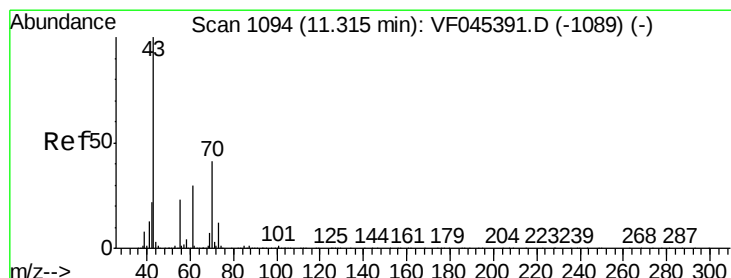
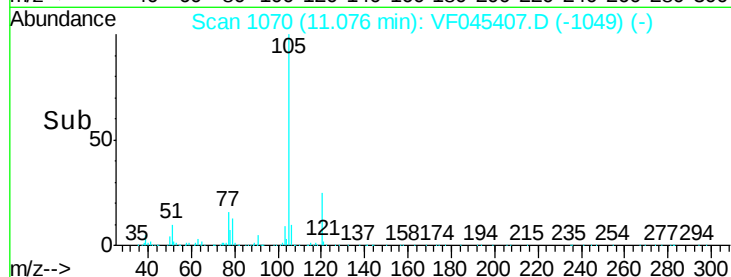
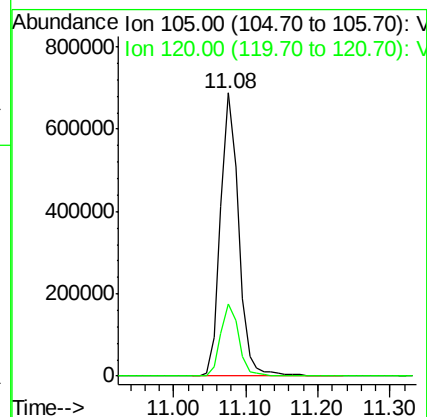
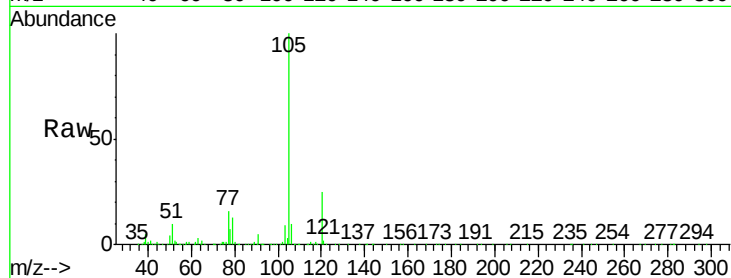
VF0917SBS01

Tot Ion:105 Resp: 1187994

Ion Ratio Lower Upper

105 100

120 25.4 13.0 39.0



#73

N-ethyl acetate

Concen: 22.26 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion: 43 Resp: 321020

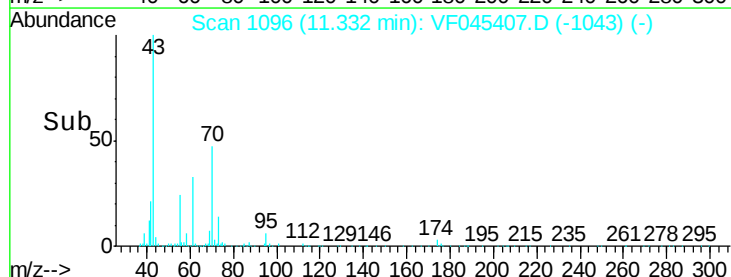
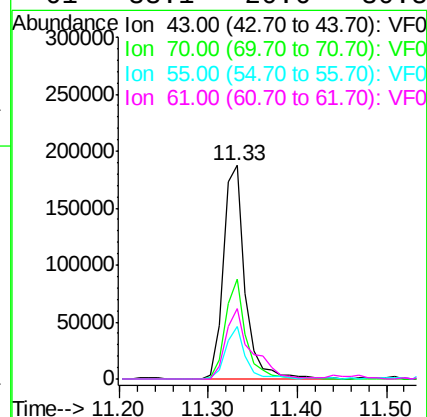
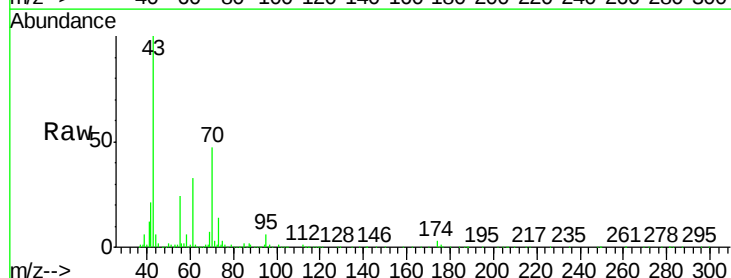
Ion Ratio Lower Upper

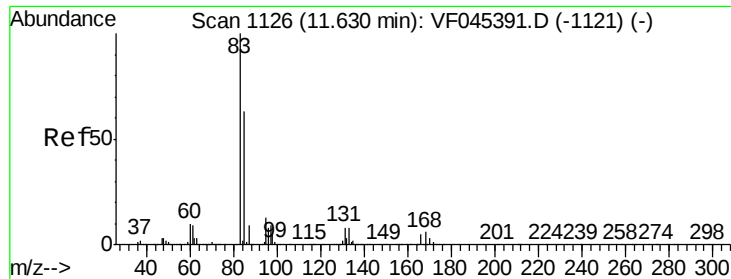
43 100

70 46.9 30.0 45.0#

55 24.5 16.8 25.2

61 33.1 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 21.02 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

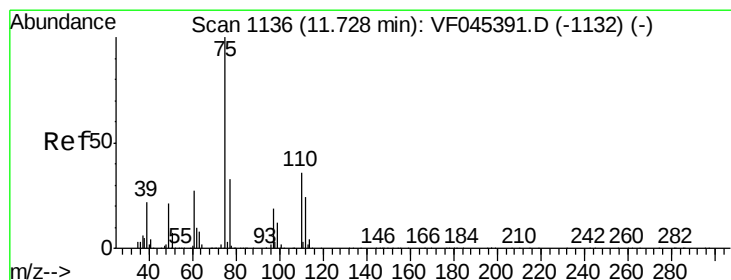
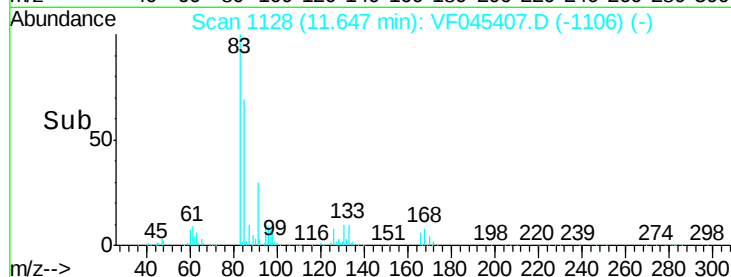
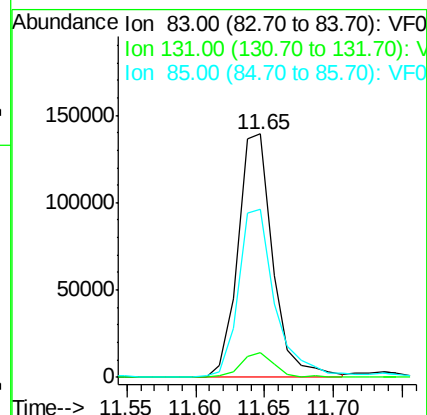
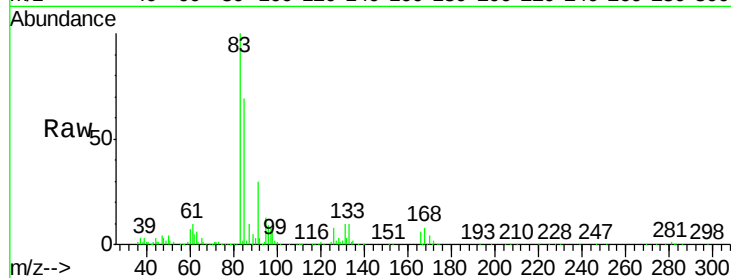
Tot Ion: 83 Resp: 247849

Ion Ratio Lower Upper

83 100

131 10.3 4.2 12.6

85 69.1 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 21.94 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF045407.D

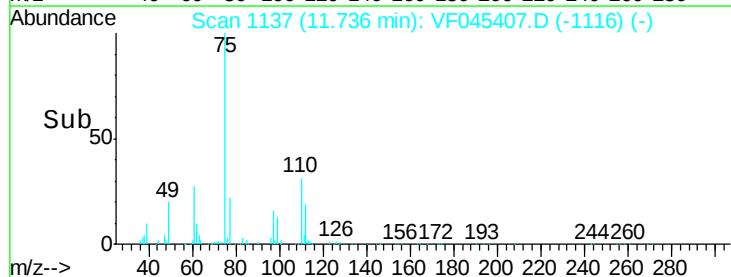
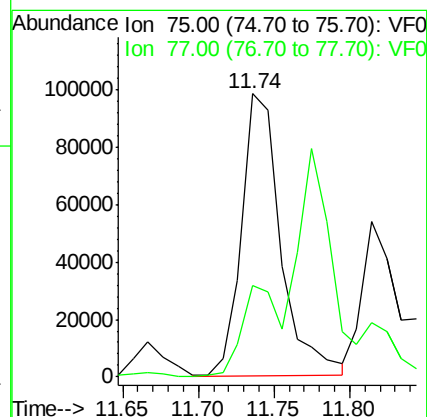
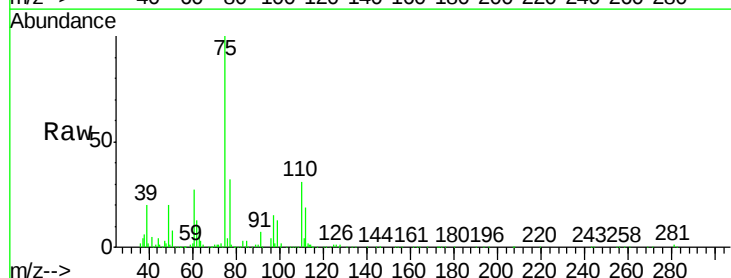
Acq: 17 Sep 2015 15:33

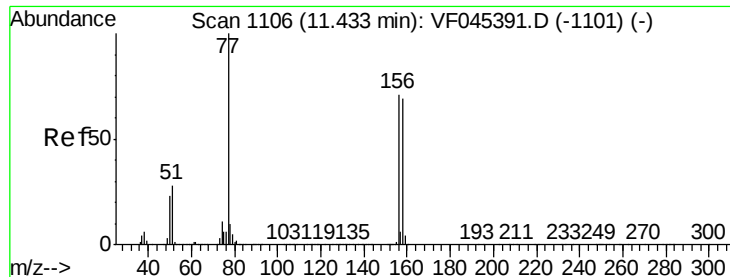
Tgt Ion: 75 Resp: 177921

Ion Ratio Lower Upper

75 100

77 32.4 15.0 45.1

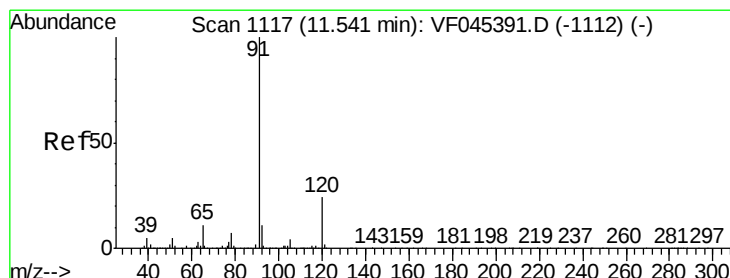
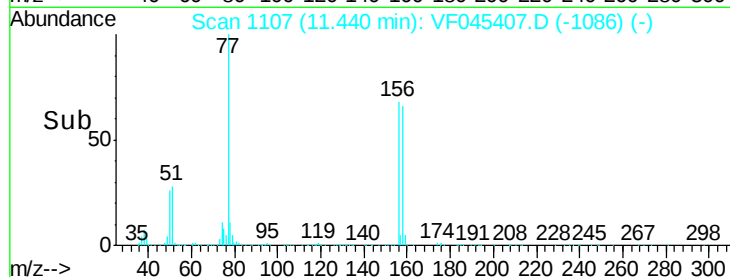
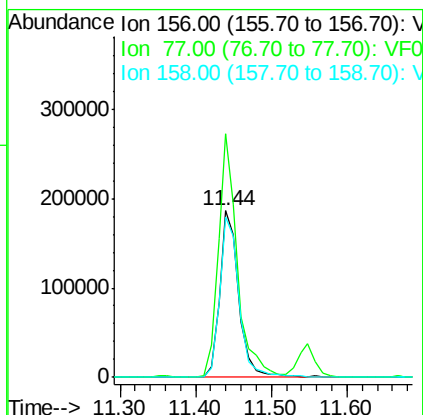
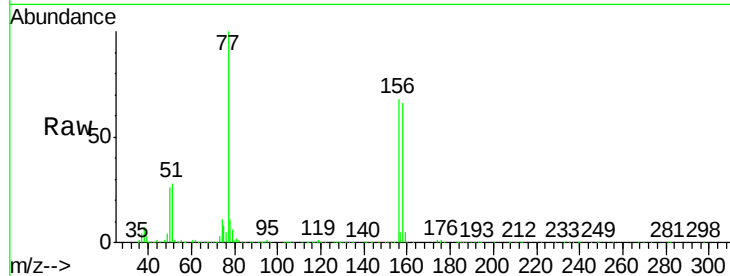




#76
Bromobenzene
Concen: 22.09 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

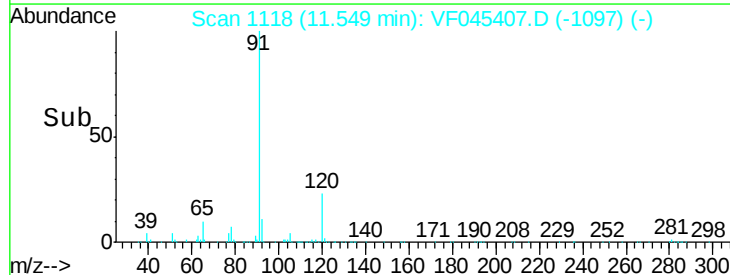
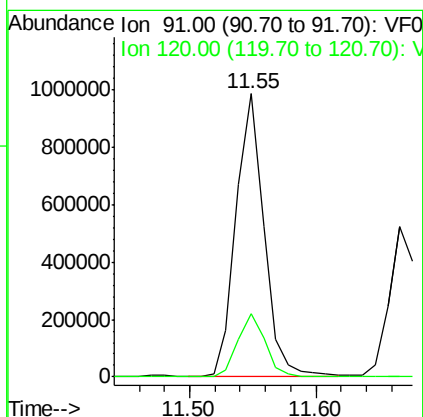
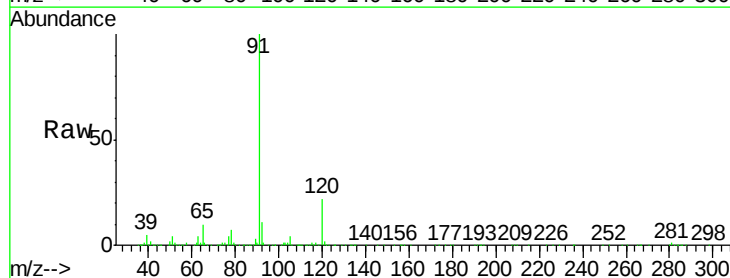
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

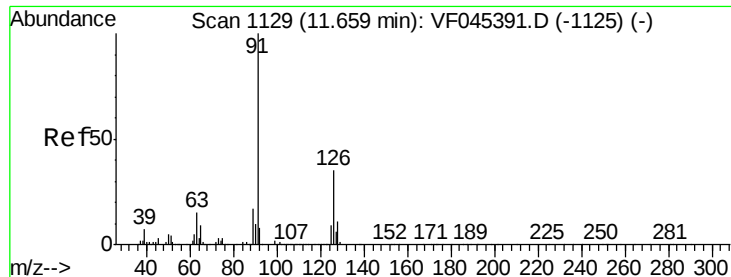
Tot Ion:156 Resp: 325952
Ion Ratio Lower Upper
156 100
77 146.0 74.8 224.3
158 96.1 49.5 148.7



#77
n-propylbenzene
Concen: 23.45 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 91 Resp: 1514555
Ion Ratio Lower Upper
91 100
120 22.5 11.6 34.7





#78

2-Chlorotoluene

Concen: 22.67 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

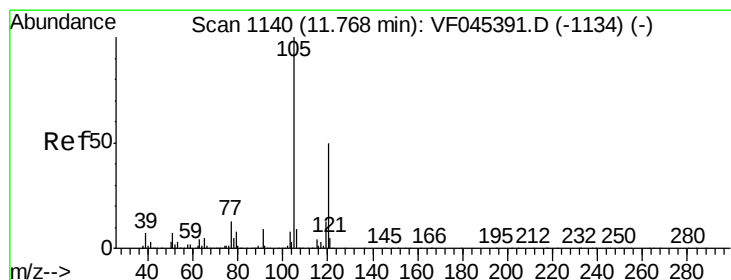
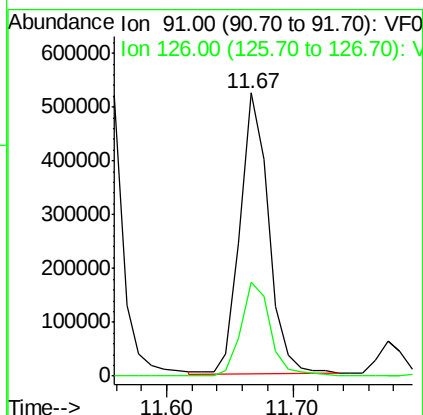
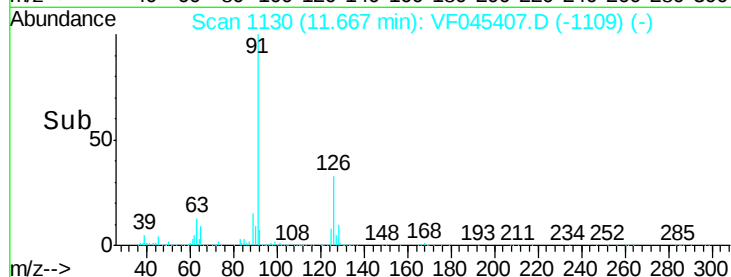
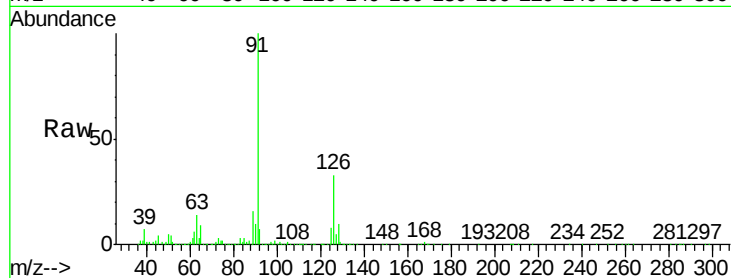
VF0917SBS01

Tot Ion: 91 Resp: 819211

Ion Ratio Lower Upper

91 100

126 33.1 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 22.41 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045407.D

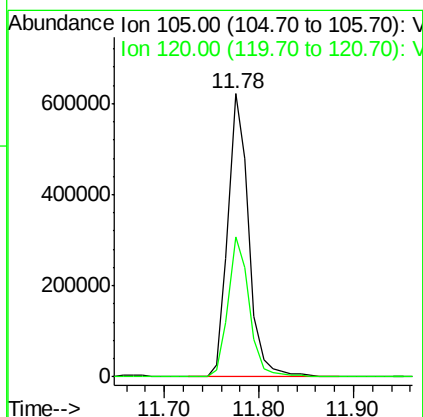
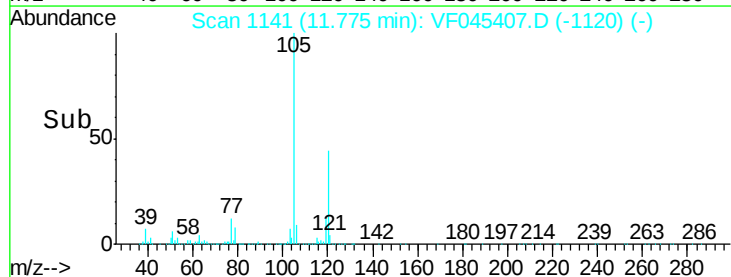
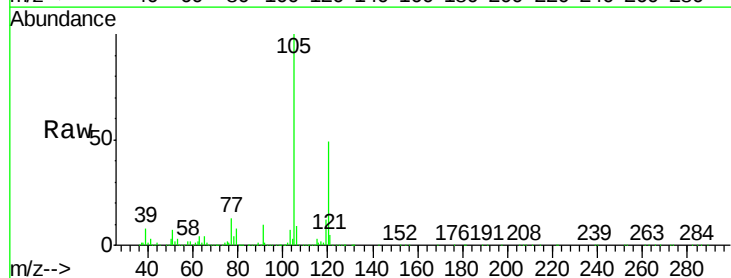
Acq: 17 Sep 2015 15:33

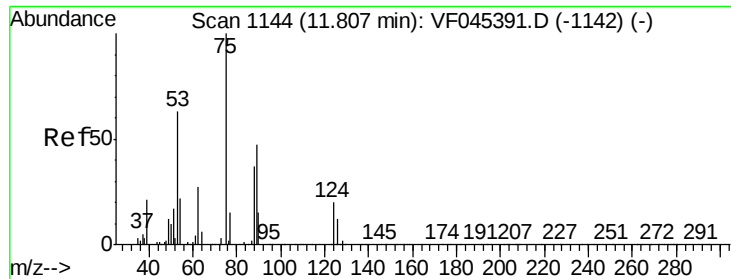
Tgt Ion: 105 Resp: 950252

Ion Ratio Lower Upper

105 100

120 49.5 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 24.93 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

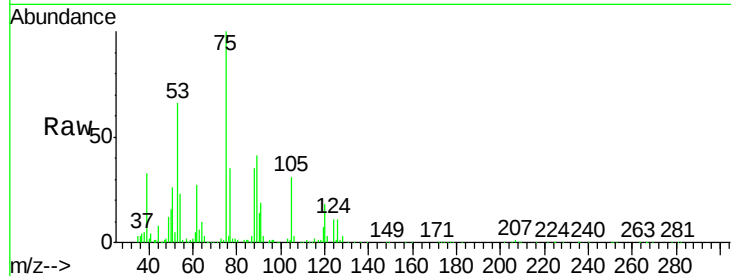
Tot Ion: 75 Resp: 108294

Ion Ratio Lower Upper

75 100

53 65.7 51.0 76.6

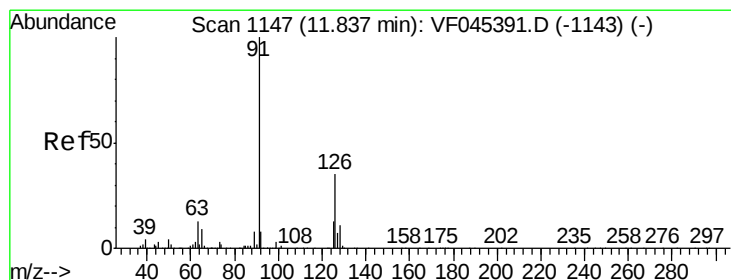
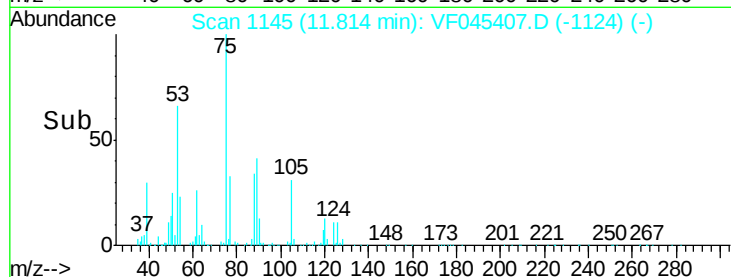
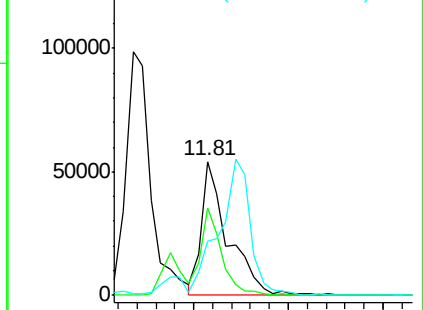
89 40.7 38.6 57.8



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



#81

4-Chlorotoluene

Concen: 22.43 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF045407.D

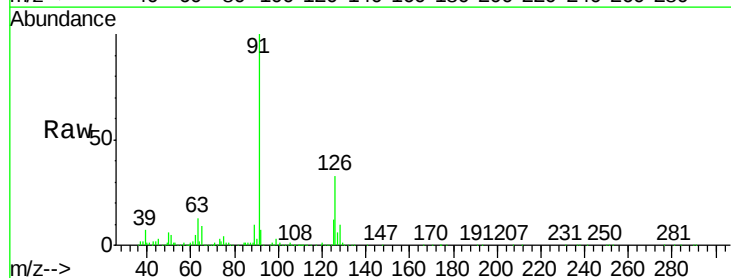
Acq: 17 Sep 2015 15:33

Tgt Ion: 91 Resp: 895593

Ion Ratio Lower Upper

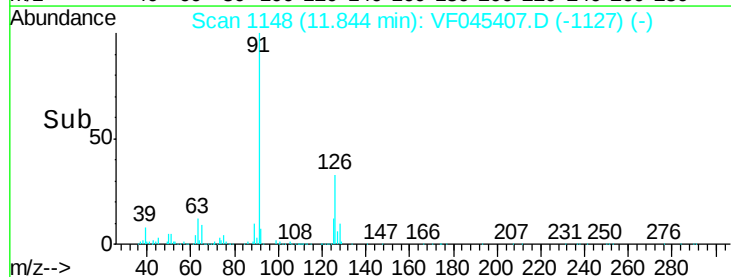
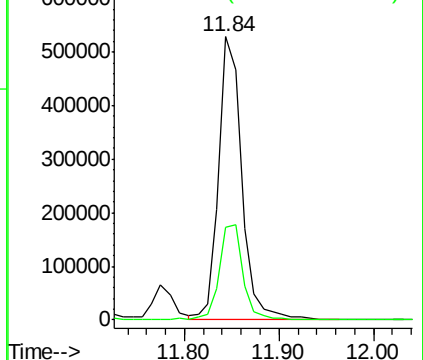
91 100

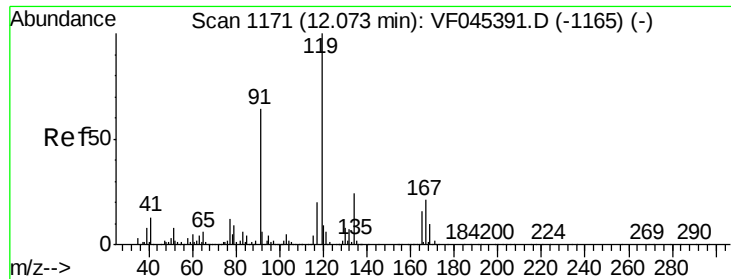
126 32.6 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#82

tert-Butylbenzene

Concen: 22.82 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

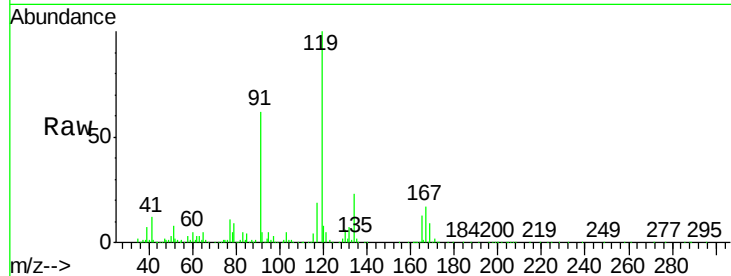
Tot Ion:119 Resp: 956885

Ion Ratio Lower Upper

119 100

91 62.0 31.1 93.2

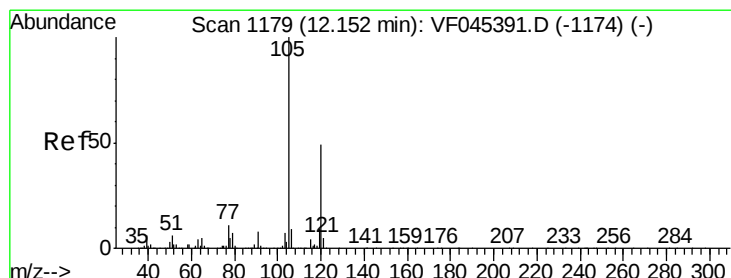
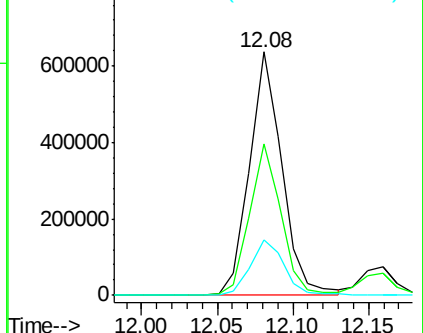
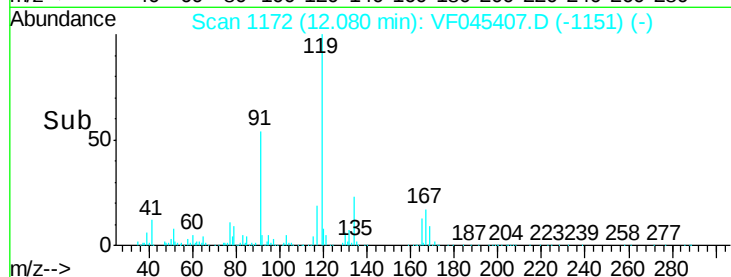
134 22.8 12.2 36.6



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



#83

1,2,4-Trimethylbenzene

Concen: 22.15 ug/l

RT: 12.16 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VF045407.D

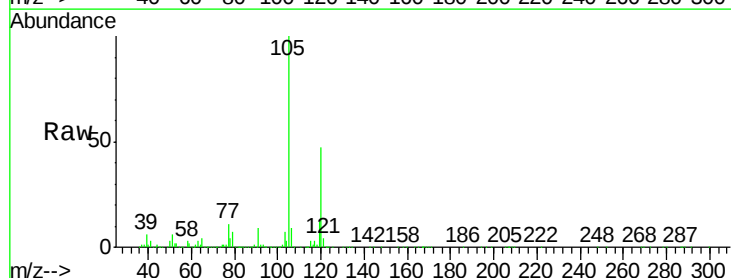
Acq: 17 Sep 2015 15:33

Tgt Ion:105 Resp: 962839

Ion Ratio Lower Upper

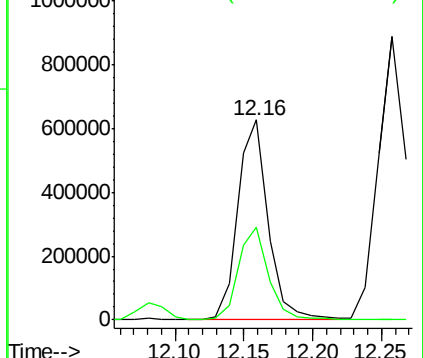
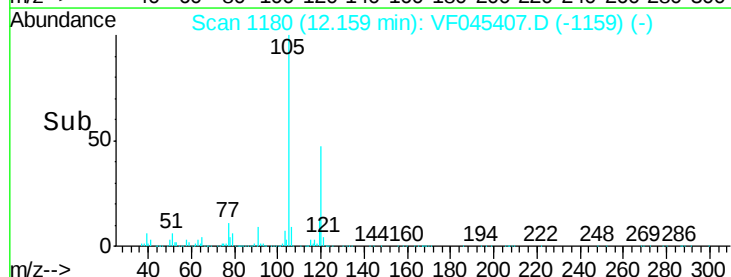
105 100

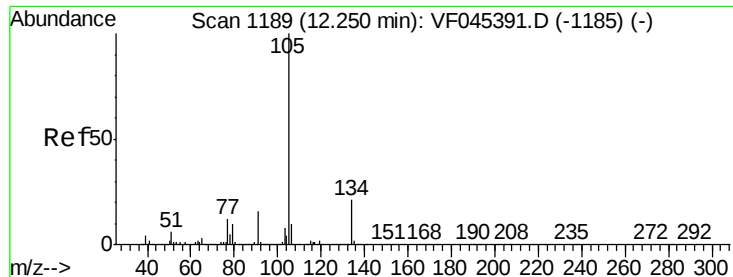
120 46.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

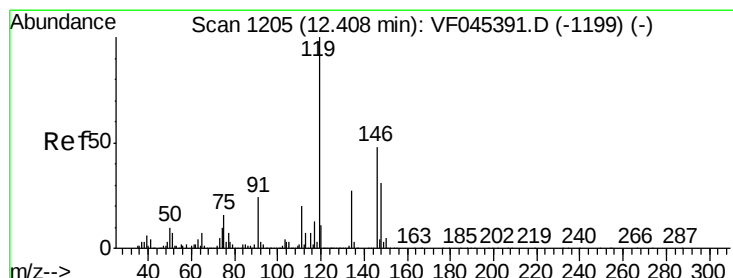
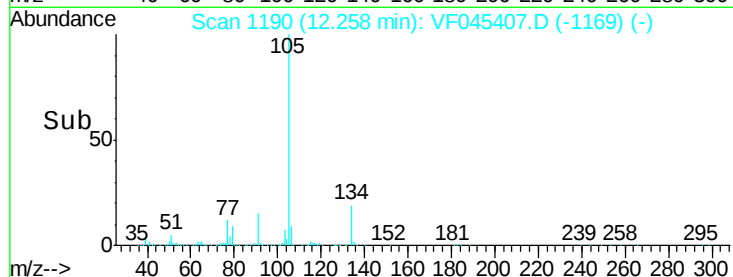
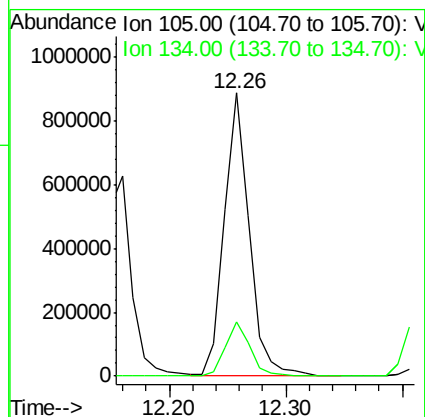
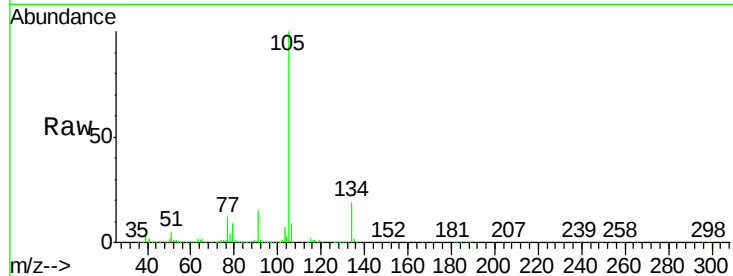




#84
 sec-Butylbenzene
 Concen: 22.64 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

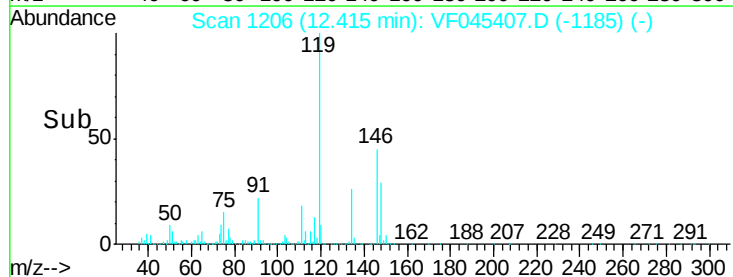
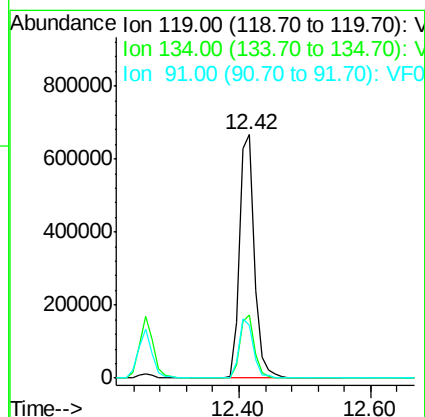
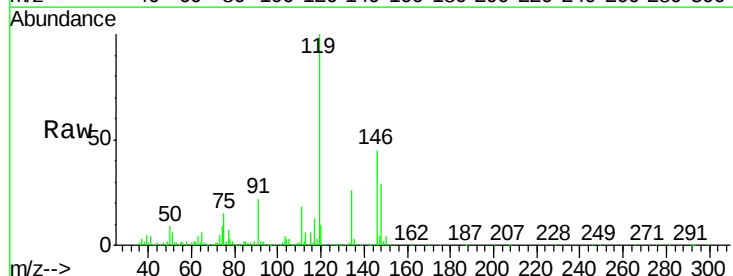
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

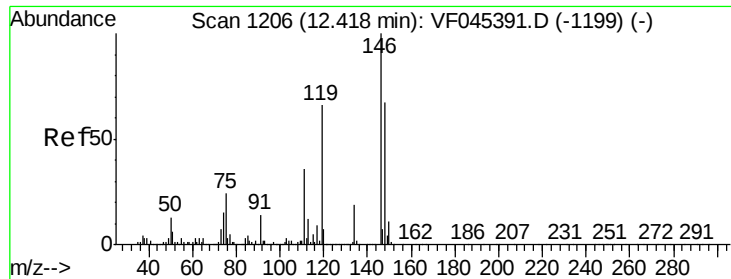
Tot Ion:105 Resp: 1319725
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 23.46 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion:119 Resp: 1064618
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 21.8 12.2 36.6

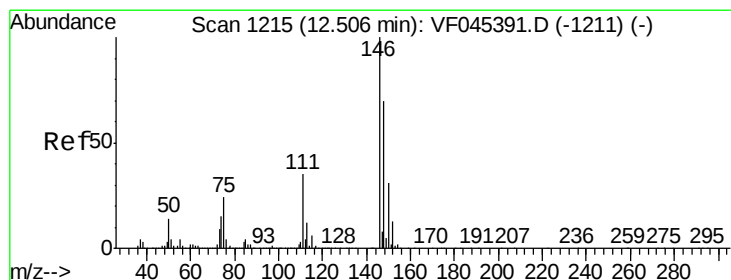
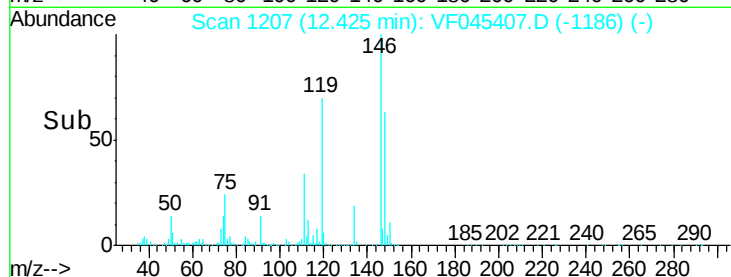
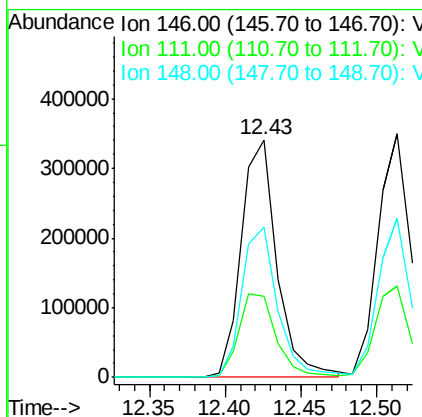
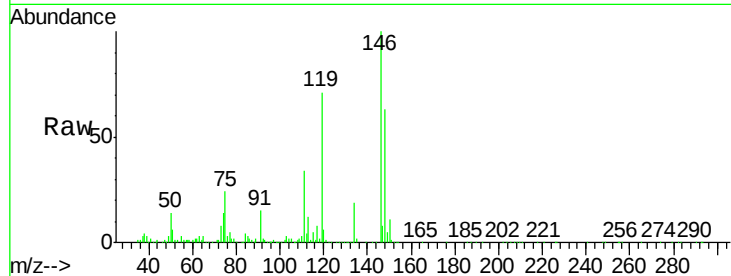




#86
 1,3-Dichlorobenzene
 Concen: 22.40 ug/l
 RT: 12.43 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

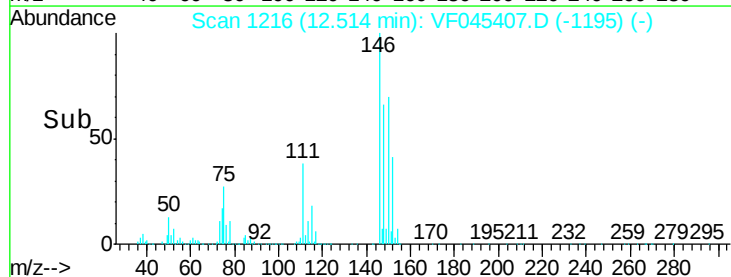
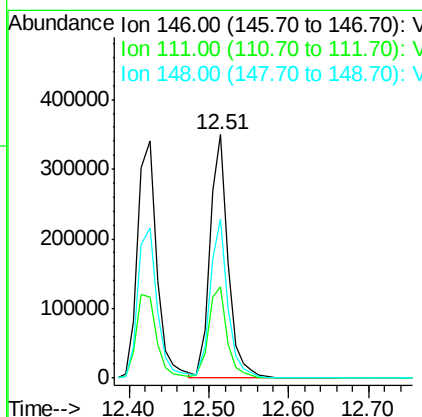
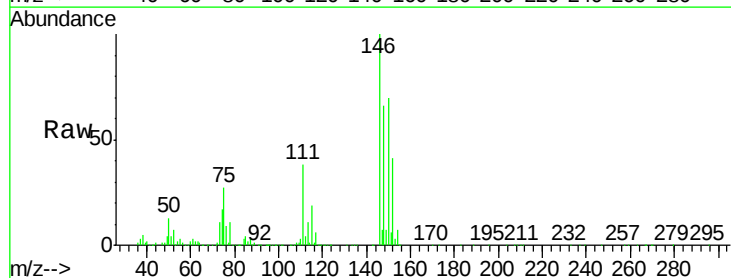
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

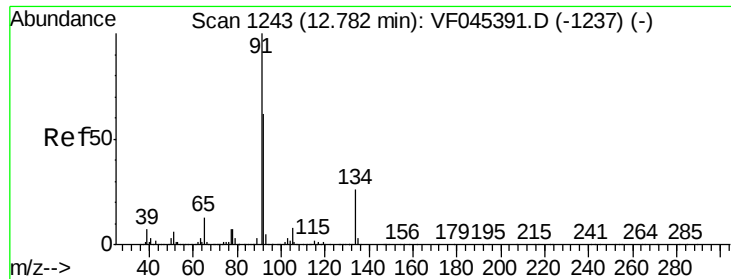
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	19.9	59.7
148	63.1	32.5	97.4



#87
 1,4-Dichlorobenzene
 Concen: 22.25 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.3	52.0
148	65.6	32.4	97.0

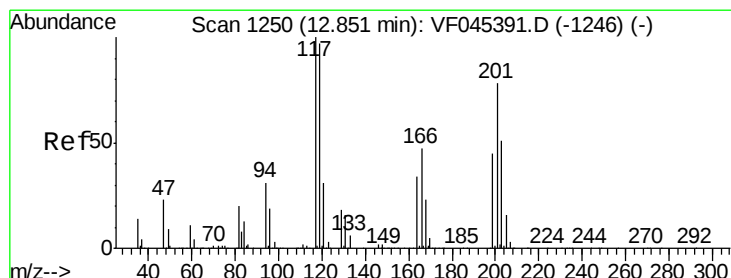
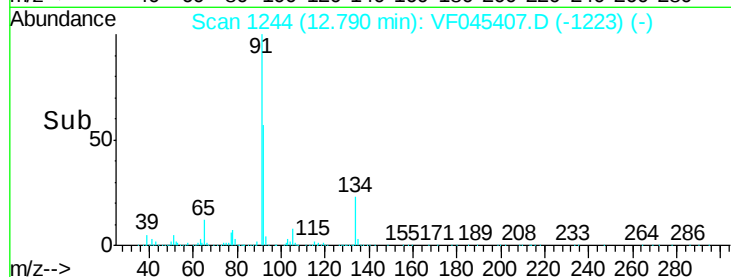
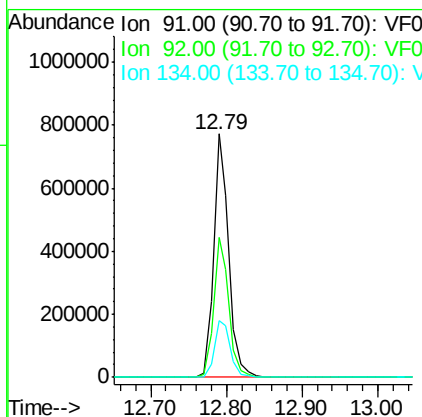
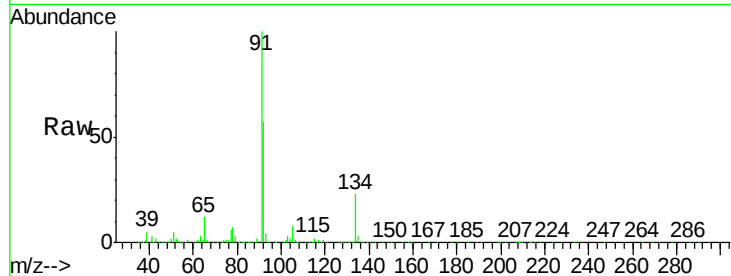




#88
n-Butylbenzene
Concen: 23.63 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

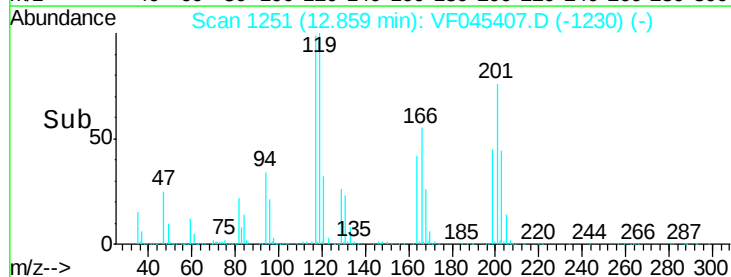
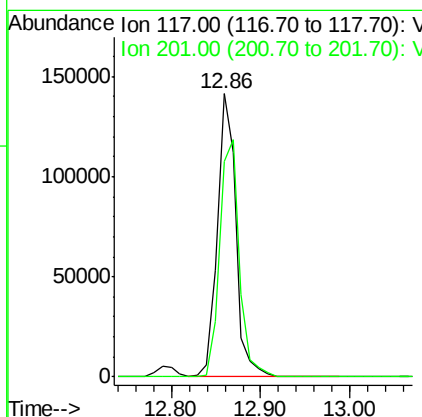
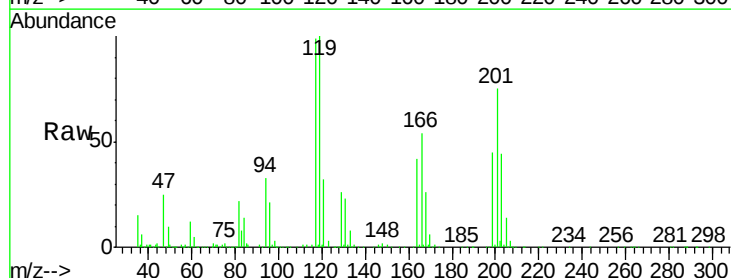
Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

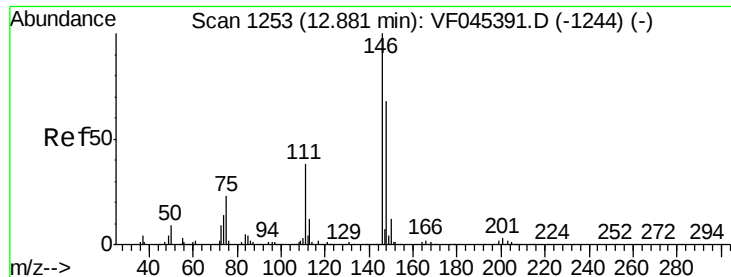
Tot Ion: 91 Resp: 1077953
Ion Ratio Lower Upper
91 100
92 57.4 30.1 90.5
134 23.4 13.8 41.4



#89
Hexachloroethane
Concen: 19.19 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 117 Resp: 206164
Ion Ratio Lower Upper
117 100
201 76.2 42.0 126.1

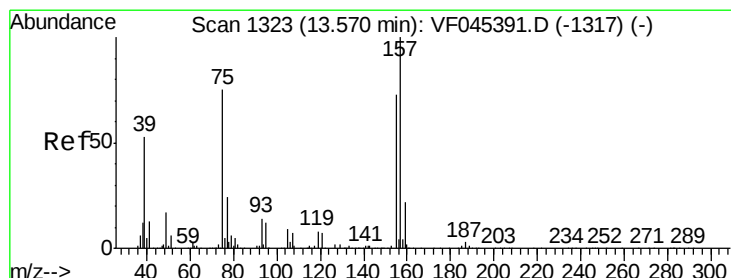
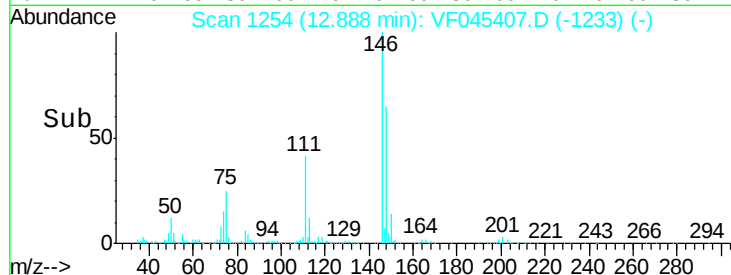
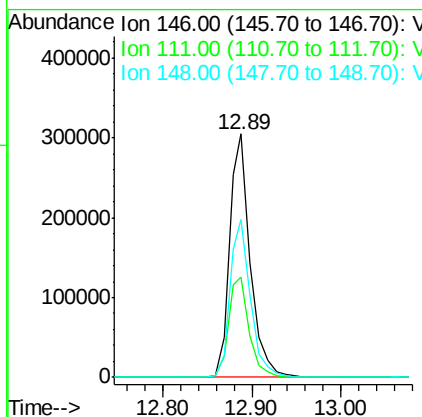
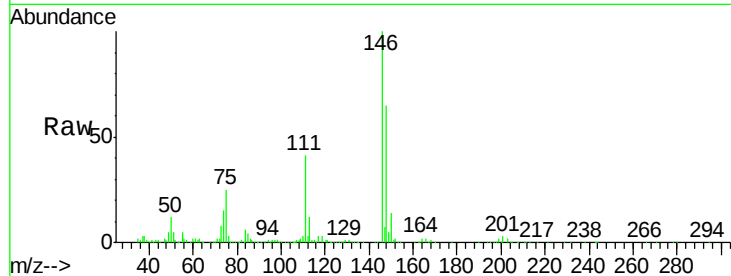




#90
 1,2-Dichlorobenzene
 Concen: 21.49 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

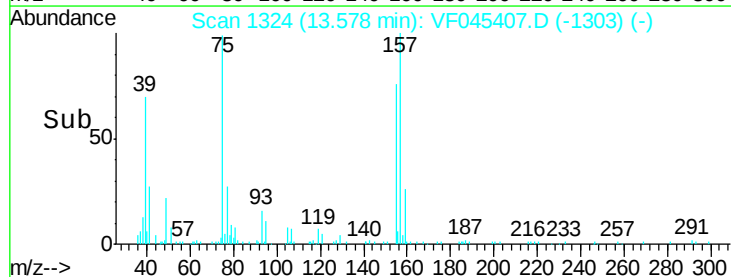
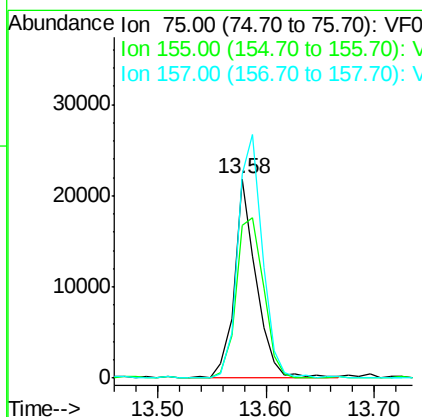
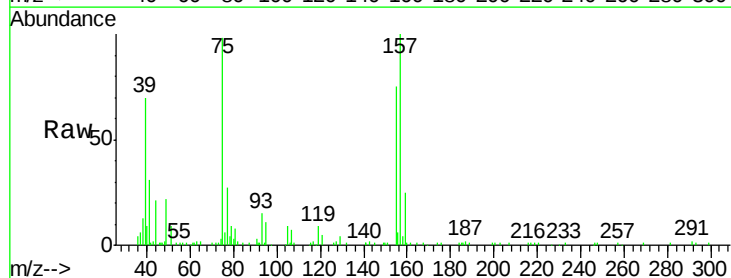
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

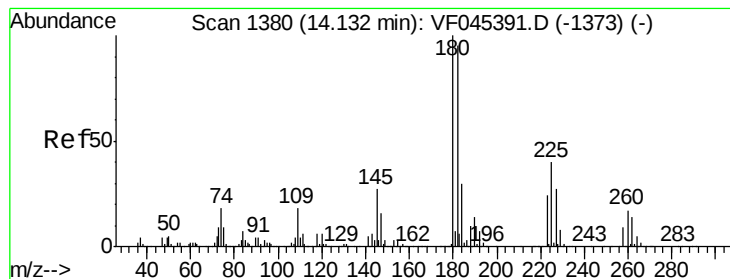
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	65.0	31.4	94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 19.72 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	49.2	147.6
157	102.1	66.8	200.4





#92

1,2,4-Trichlorobenzene

Concen: 20.14 ug/l

RT: 14.14 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

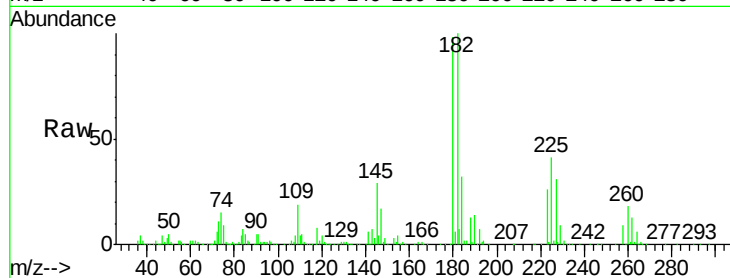
Tot Ion:180 Resp: 268917

Ion Ratio Lower Upper

180 100

182 101.6 49.4 148.0

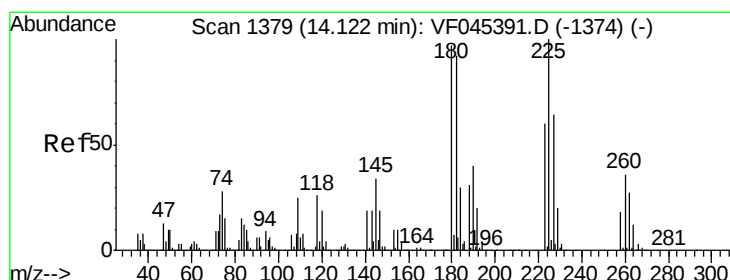
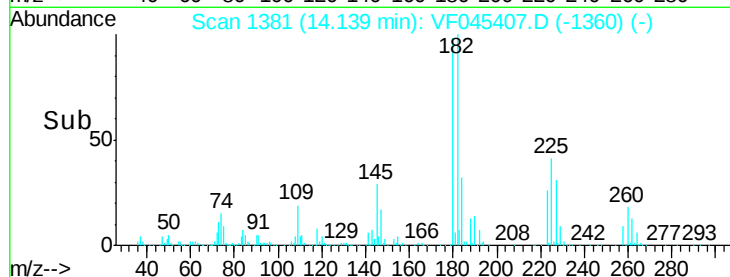
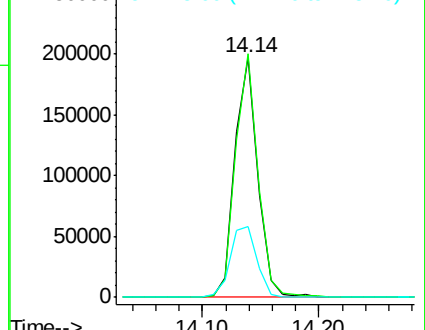
145 29.6 16.7 50.1



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



#93

Hexachlorobutadiene

Concen: 16.96 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

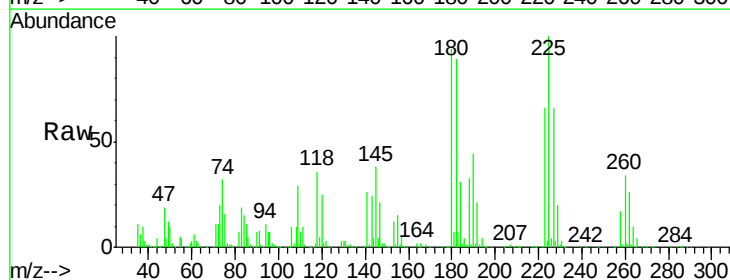
Tgt Ion:225 Resp: 171992

Ion Ratio Lower Upper

225 100

223 66.4 31.9 95.5

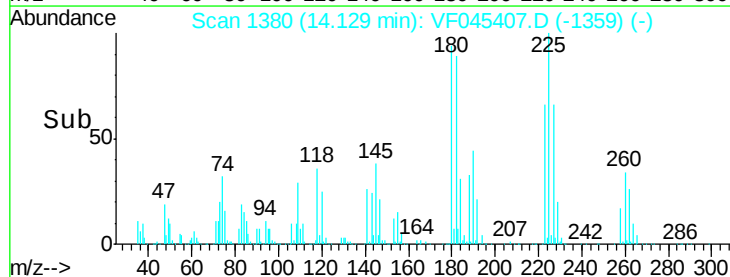
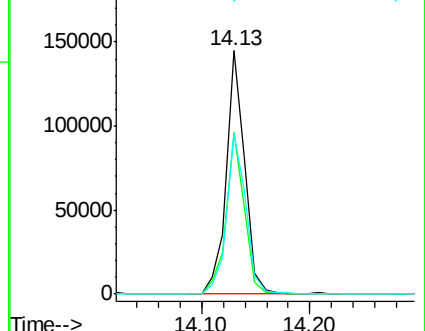
227 66.1 32.9 98.7

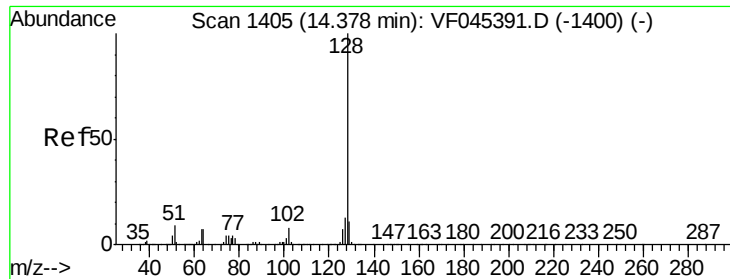


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#94

Naphthalene

Concen: 20.06 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

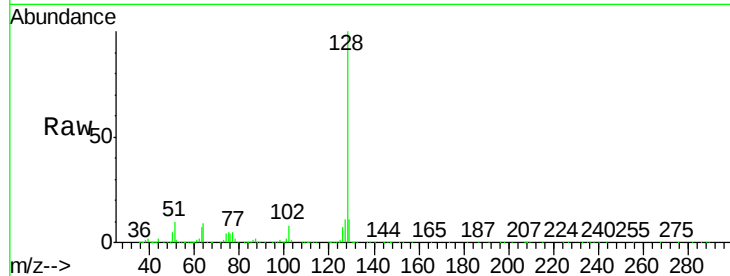
Tot Ion:128 Resp: 479573

Ion Ratio Lower Upper

128 100

127 11.2 9.8 14.8

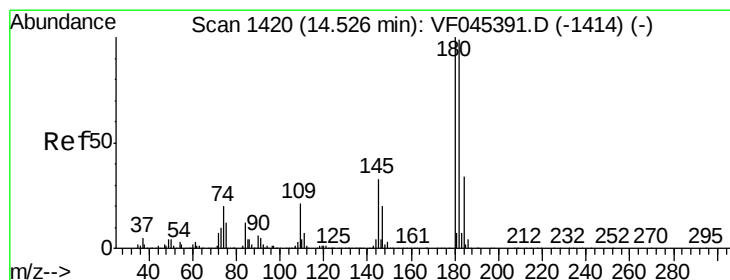
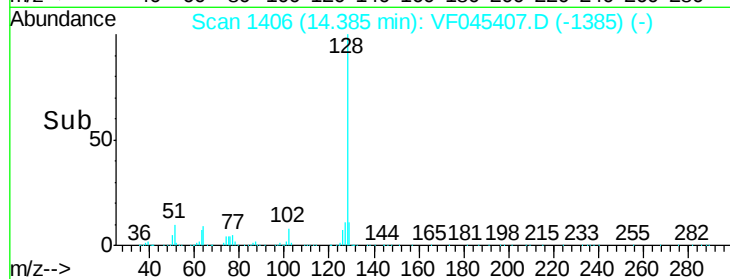
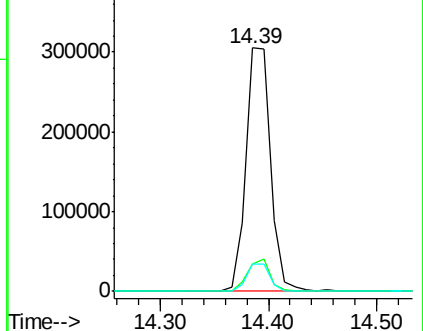
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#95

1,2,3-Trichlorobenzene

Concen: 21.20 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

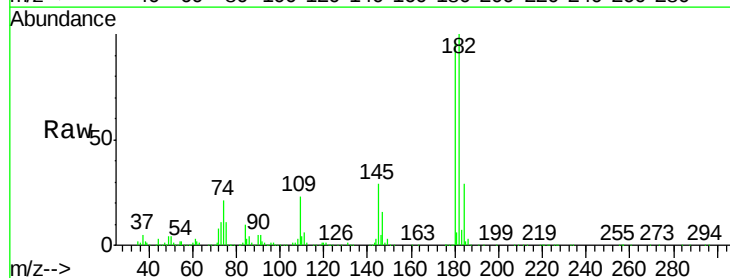
Tgt Ion:180 Resp: 232541

Ion Ratio Lower Upper

180 100

182 103.7 47.6 142.8

145 29.9 14.5 43.6



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

