

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045416.D
 Acq On : 17 Sep 2015 19:48
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 18 01:21:53 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	4.82	168	987653	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.55	114	1541064	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.71	117	1390762	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.50	152	754117	50.00	ug/l	0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.79	65	564414	53.22	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.44%	
34) Dibromofluoromethane	4.05	113	584176	48.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.88%	
49) Toluene-d8	7.51	98	1795654	51.06	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.12%	
61) 4-Bromofluorobenzene	11.36	95	797426	47.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	417902	49.68	ug/l	92
3) Chloromethane	1.03	50	367204	50.99	ug/l	97
4) Vinyl Chloride	1.10	62	313218	50.74	ug/l	90
5) Bromomethane	1.26	94	180157	47.01	ug/l	87
6) Chloroethane	1.34	64	128817	52.37	ug/l	98
7) Trichlorofluoromethane	1.39	101	273031	21.56	ug/l	99
8) Diethyl Ether	1.60	74	132319	49.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.78	101	368413	50.55	ug/l	90
10) Methyl Iodide	1.81	142	726914	48.77	ug/l	92
11) Tert butyl alcohol	2.50	59	30539	256.24	ug/l #	91
12) 1,1-Dichloroethene	1.72	96	290311	47.95	ug/l	91
13) Acrolein	1.96	56	120642	244.29	ug/l	96
14) Allyl chloride	2.06	41	462021	49.18	ug/l	95
15) Acrylonitrile	2.89	53	308816	271.13	ug/l	94
16) Acetone	2.19	43	527635	219.13	ug/l	97
17) Carbon Disulfide	1.74	76	1013298	49.11	ug/l	100
18) Methyl Acetate	2.30	43	486835	52.71	ug/l	99
19) Methyl tert-butyl Ether	2.39	73	258134	54.18	ug/l	94
20) Methylene Chloride	2.14	84	326569	49.92	ug/l	88
21) trans-1,2-Dichloroethene	2.27	96	342941	50.52	ug/l	94
22) Diisopropyl ether	2.75	45	978195	48.85	ug/l	94
23) Vinyl Acetate	3.13	43	1440469	246.44	ug/l	97
24) 1,1-Dichloroethane	2.82	63	680416	50.20	ug/l	100
25) 2-Butanone	4.27	43	813688	241.58	ug/l	98
26) 2,2-Dichloropropane	3.55	77	597034	47.30	ug/l	99
27) cis-1,2-Dichloroethene	3.42	96	570846	54.45	ug/l	96
28) Bromochloromethane	3.66	49	239173	44.93	ug/l #	93
29) Chloroform	3.79	83	977354	51.30	ug/l	97
30) Cyclohexane	3.65	56	633923	51.83	ug/l	93
31) 1,1,1-Trichloroethane	4.04	97	767190	48.61	ug/l #	89
35) 1,1-Dichloropropene	4.23	75	722282	49.40	ug/l	90
36) Ethyl Acetate	4.05	43	332319	44.92	ug/l #	38
37) Carbon Tetrachloride	3.94	117	699411	45.41	ug/l	98
38) Methylcyclohexane	5.41	83	724422	46.10	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	1612422	47.17	ug/l	99
40) Methacrylonitrile	4.68	41	163665	46.74	ug/l	94
41) 1,2-Dichloroethane	4.89	62	629850	45.68	ug/l	95
42) Isopropyl Acetate	6.92	43	470346	48.26	ug/l #	97
43) Trichloroethene	5.45	130	575740	49.32	ug/l	97
44) 1,2-Dichloropropane	6.19	63	467012	46.90	ug/l	96
45) Dibromomethane	6.03	93	337397	47.61	ug/l	99
46) Bromodichloromethane	6.33	83	749692	47.25	ug/l	98
47) Methyl methacrylate	6.67	41	287237	48.55	ug/l	89
48) 1,4-Dioxane	6.66	88	68285	963.61	ug/l	90
50) 4-Methyl-2-Pentanone	8.21	43	1651070	238.23	ug/l	99
51) Toluene	7.58	92	1245204	47.28	ug/l	100
52) t-1,3-Dichloropropene	8.23	75	675823	47.38	ug/l	100
53) cis-1,3-Dichloropropene	7.25	75	797824	47.37	ug/l	98
54) 1,1,2-Trichloroethane	8.43	97	418211	46.95	ug/l	94
55) Ethyl methacrylate	8.57	69	553591	47.77	ug/l	92
56) 1,3-Dichloropropane	8.80	76	678767	46.71	ug/l	99
58) 2-Hexanone	9.44	43	1234057	223.71	ug/l	96
59) Dibromochloromethane	8.66	129	596875	47.28	ug/l	99
60) 1,2-Dibromoethane	8.93	107	506017	50.06	ug/l	95
63) Tetrachloroethene	8.11	164	558767	50.57	ug/l	97
64) Chlorobenzene	9.73	112	1502294	51.49	ug/l	100
65) 1,1,1,2-Tetrachloroethane	9.87	131	504189	47.27	ug/l	97
66) Ethyl Benzene	9.84	91	2454175	48.54	ug/l	99
67) m/p-Xylenes	10.08	106	1774573	97.93	ug/l	98
68) o-Xylene	10.66	106	919772	48.90	ug/l	93
69) Styrene	10.74	104	1489254	49.60	ug/l	97
70) Bromoform	10.72	173	396352	50.08	ug/l	99
72) Isopropylbenzene	11.07	105	2564629	50.76	ug/l	100
73) N-amyl acetate	11.33	43	689945	49.27	ug/l	92
74) 1,1,2,2-Tetrachloroethane	11.64	83	591700	51.67	ug/l	97
75) 1,2,3-Trichloropropane	11.74	75	416412	52.88	ug/l	95
76) Bromobenzene	11.45	156	747593	52.17	ug/l	87
77) n-propylbenzene	11.55	91	3268197	52.11	ug/l	97
78) 2-Chlorotoluene	11.67	91	1781899	50.79	ug/l	94
79) 1,3,5-Trimethylbenzene	11.78	105	2116002	51.39	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.82	75	268931	63.76	ug/l	95
81) 4-Chlorotoluene	11.85	91	1989882	51.31	ug/l	94
82) tert-Butylbenzene	12.09	119	2048163	50.30	ug/l	99
83) 1,2,4-Trimethylbenzene	12.16	105	2057637	48.74	ug/l	98
84) sec-Butylbenzene	12.26	105	2792661	49.33	ug/l	93
85) p-Isopropyltoluene	12.41	119	2156035	48.92	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	1234572	50.68	ug/l	98
87) 1,4-Dichlorobenzene	12.51	146	1226553	50.43	ug/l	99
88) n-Butylbenzene	12.80	91	2214689	49.99	ug/l	98
89) Hexachloroethane	12.87	117	500348	47.96	ug/l	90
90) 1,2-Dichlorobenzene	12.89	146	1135374	50.67	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.59	75	81709	53.75	ug/l	83
92) 1,2,4-Trichlorobenzene	14.14	180	685249	52.85	ug/l	97
93) Hexachlorobutadiene	14.13	225	515676	52.36	ug/l	96

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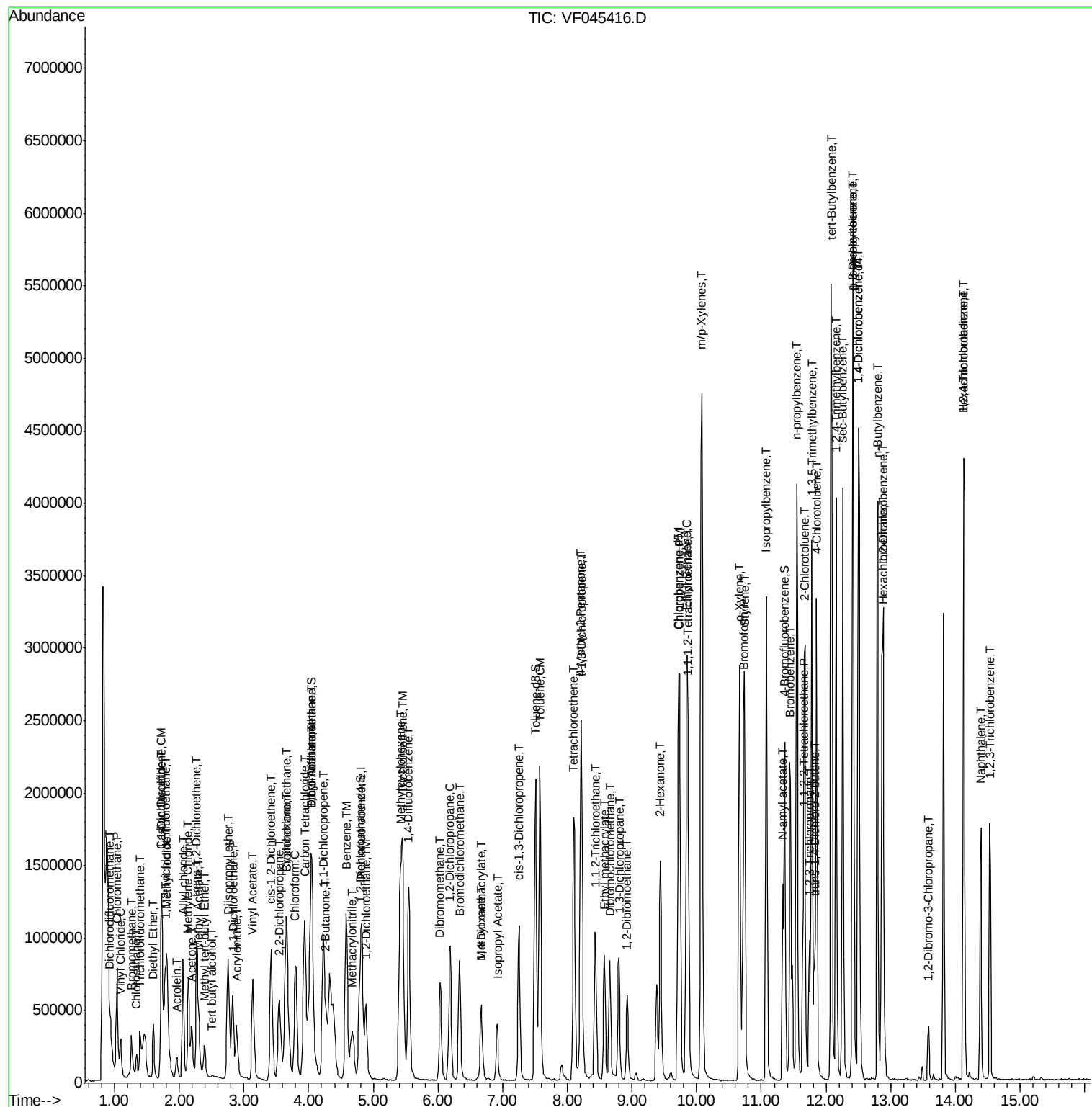
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1272526	51.91	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	543367	51.01	ug/l	98

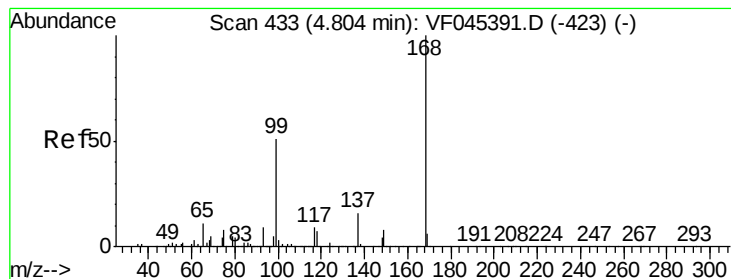
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

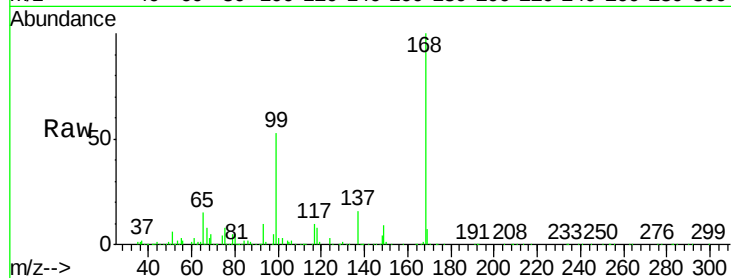
VSTDCCC050EC

Tot Ion:168 Resp: 987653

Ion Ratio Lower Upper

168 100

99 53.0 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.82

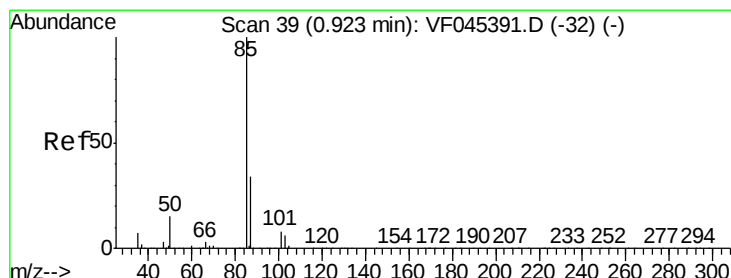
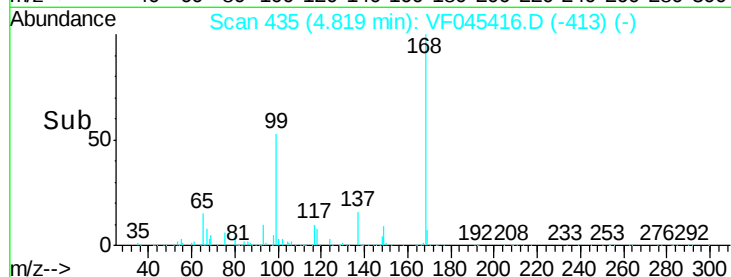
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.68 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045416.D

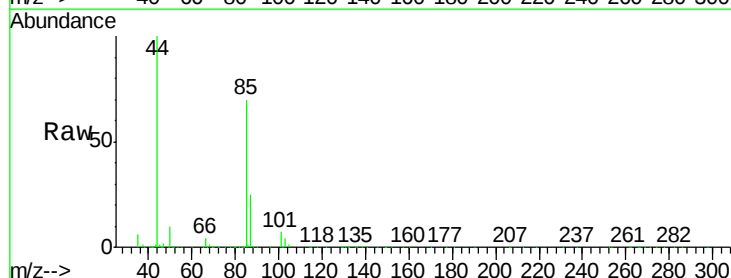
Acq: 17 Sep 2015 19:48

Tgt Ion: 85 Resp: 417902

Ion Ratio Lower Upper

85 100

87 35.4 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

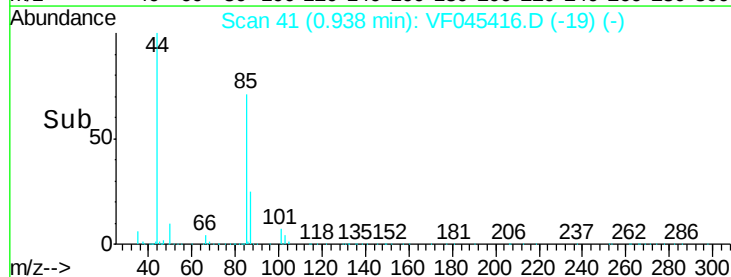
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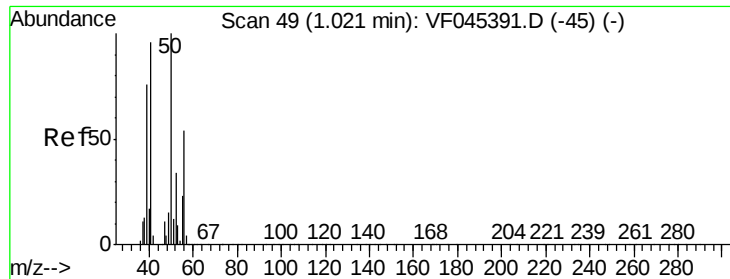
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.99 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

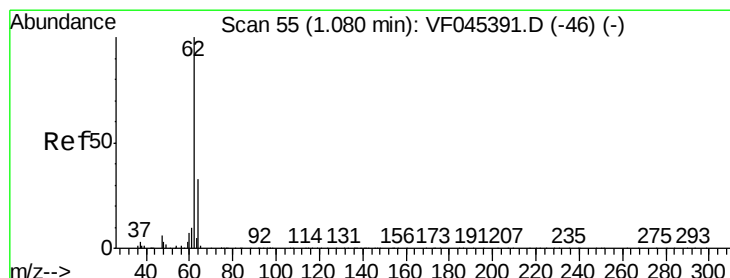
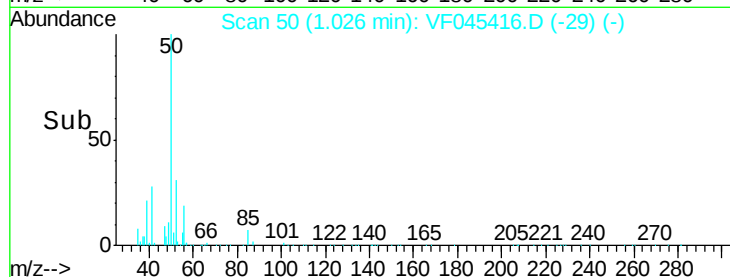
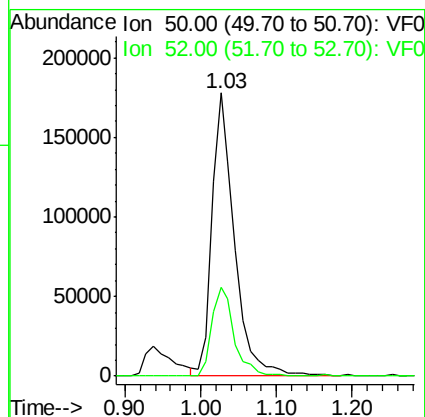
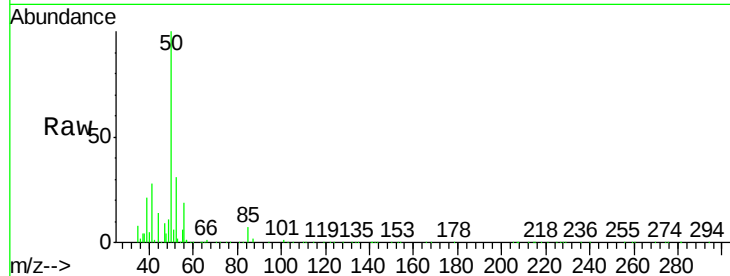
VSTDCCC050EC

Tot Ion: 50 Resp: 367204

Ion Ratio Lower Upper

50 100

52 31.4 23.8 35.8



#4

Vinyl Chloride

Concen: 50.74 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF045416.D

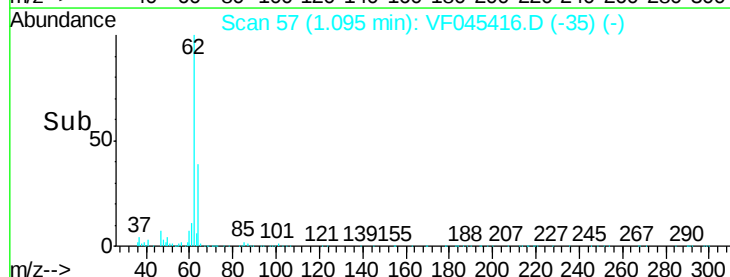
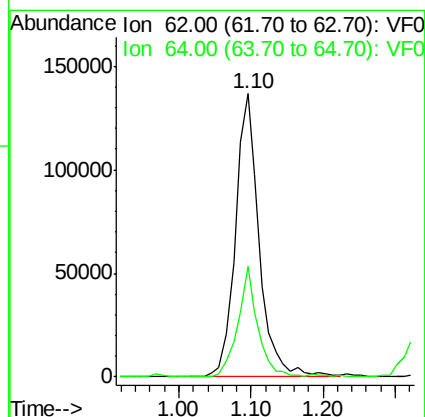
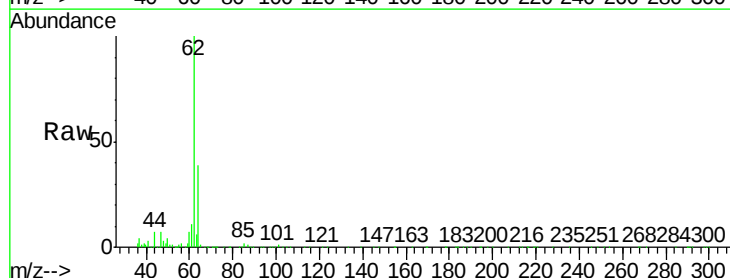
Acq: 17 Sep 2015 19:48

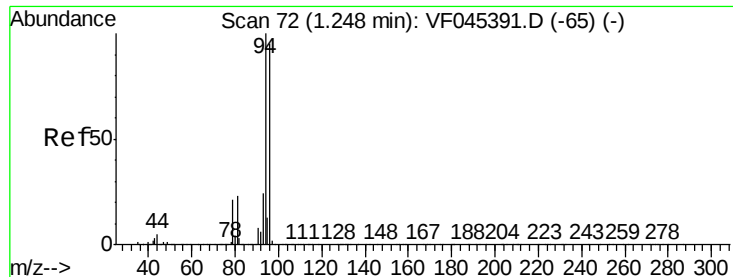
Tgt Ion: 62 Resp: 313218

Ion Ratio Lower Upper

62 100

64 39.1 26.6 39.8





#5

Bromomethane

Concen: 47.01 ug/l

RT: 1.26 min Scan# 74

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

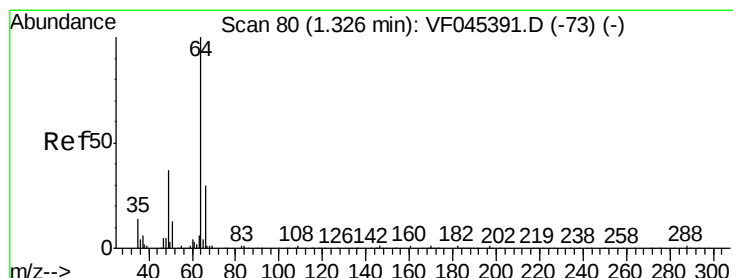
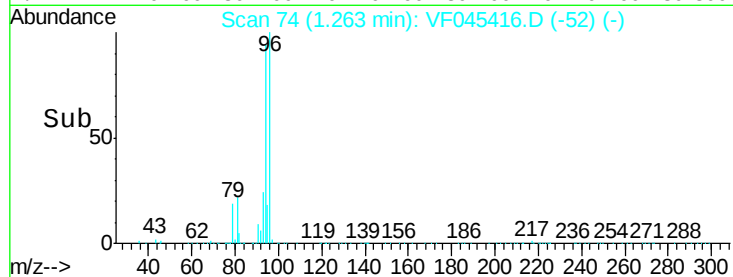
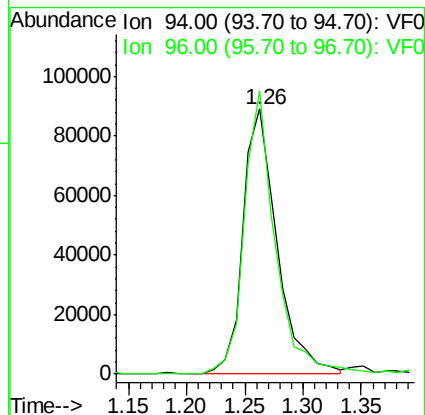
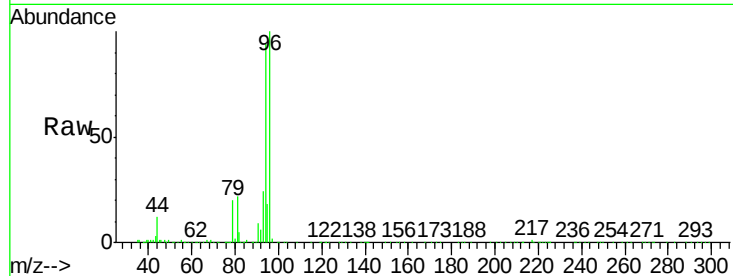
VSTDCCC050EC

Tot Ion: 94 Resp: 180157

Ion Ratio Lower Upper

94 100

96 106.7 75.0 112.4



#6

Chloroethane

Concen: 52.37 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF045416.D

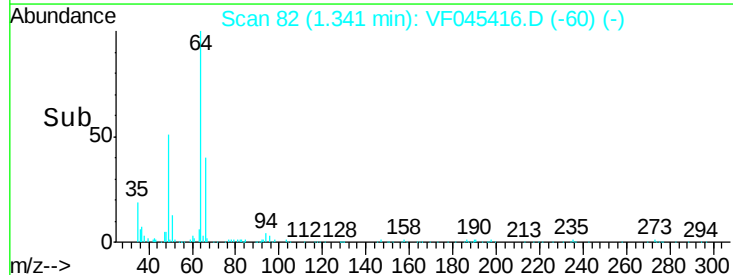
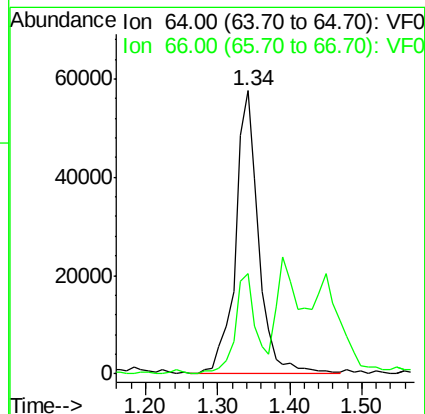
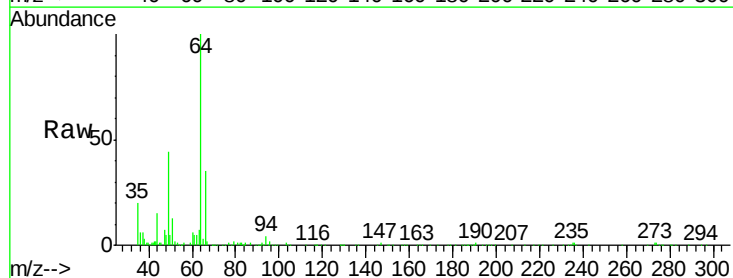
Acq: 17 Sep 2015 19:48

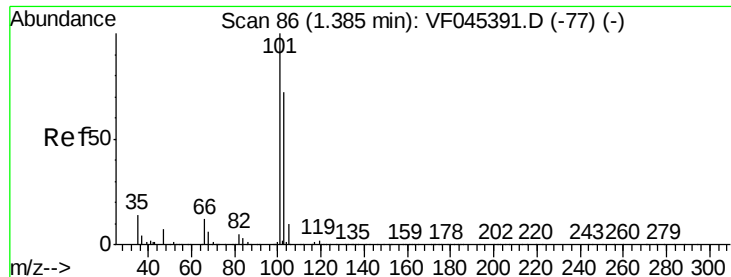
Tgt Ion: 64 Resp: 128817

Ion Ratio Lower Upper

64 100

66 35.3 27.3 40.9





#7

Trichlorofluoromethane

Concen: 21.56 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

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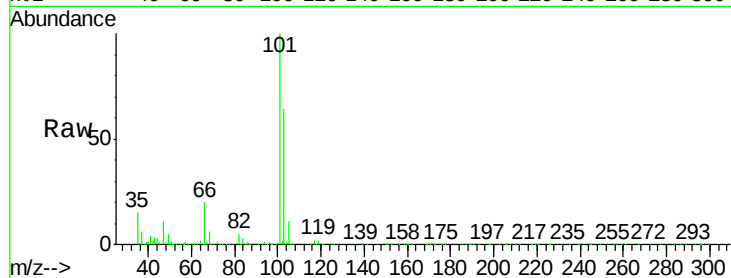
VSTDCCC050EC

Tot Ion:101 Resp: 273031

Ion Ratio Lower Upper

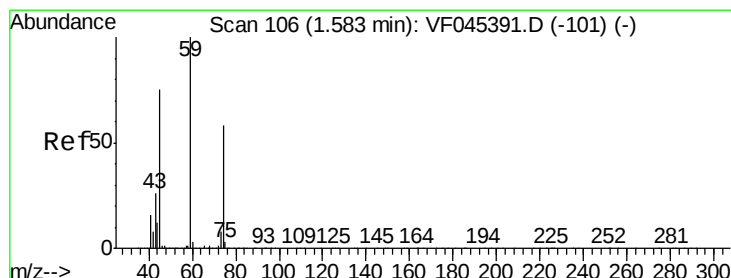
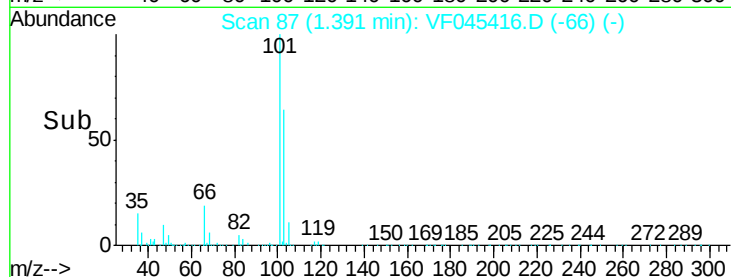
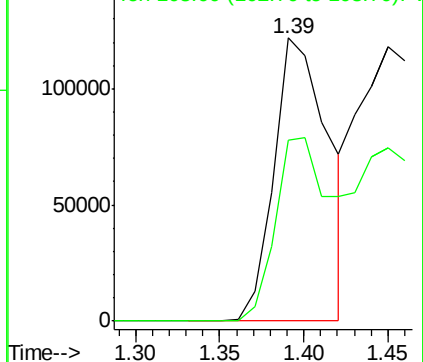
101 100

103 64.0 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: 49.98 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.02 min

Lab File: VF045416.D

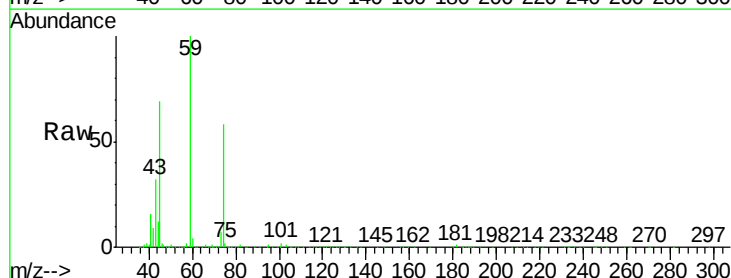
Acq: 17 Sep 2015 19:48

Tgt Ion: 74 Resp: 132319

Ion Ratio Lower Upper

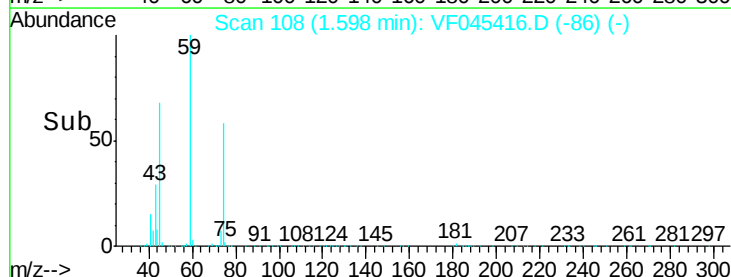
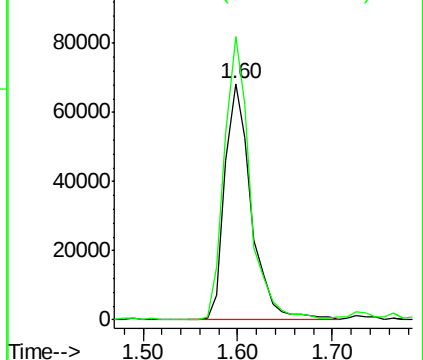
74 100

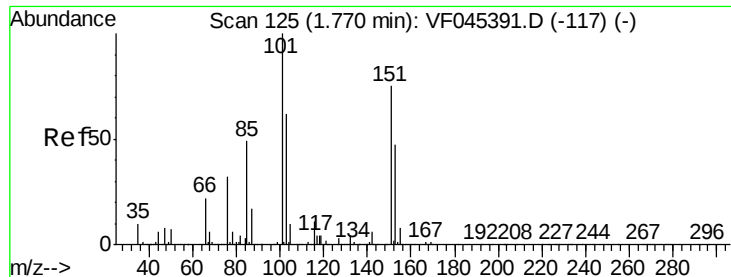
45 119.7 60.9 182.7



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: 50.55 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.02 min

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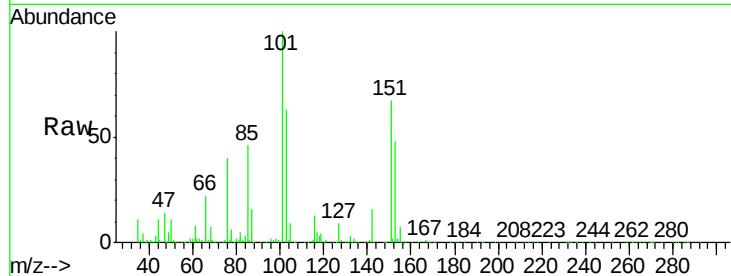
Tot Ion:101 Resp: 368413

Ion Ratio Lower Upper

101 100

85 46.4 40.0 60.0

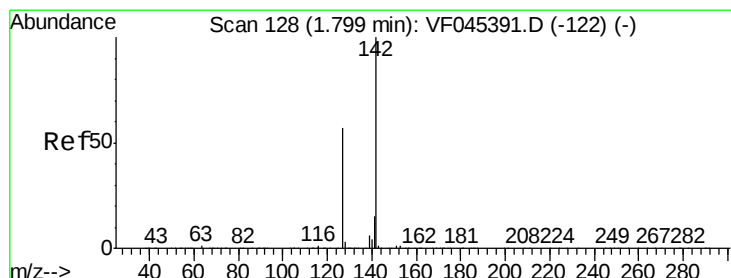
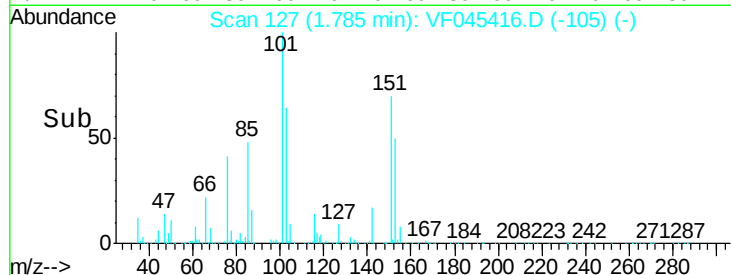
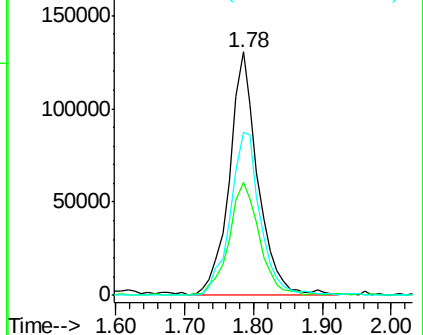
151 67.1 62.8 94.2



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: 48.77 ug/l

RT: 1.81 min Scan# 130

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

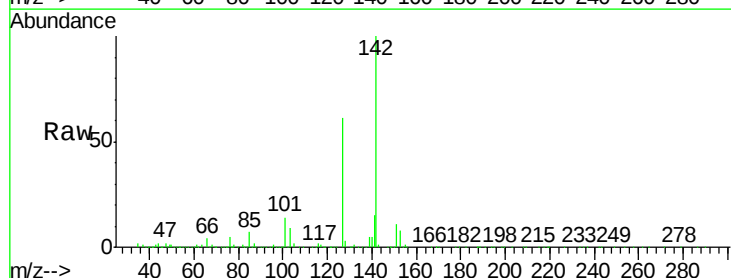
Tgt Ion:142 Resp: 726914

Ion Ratio Lower Upper

142 100

127 61.2 43.3 64.9

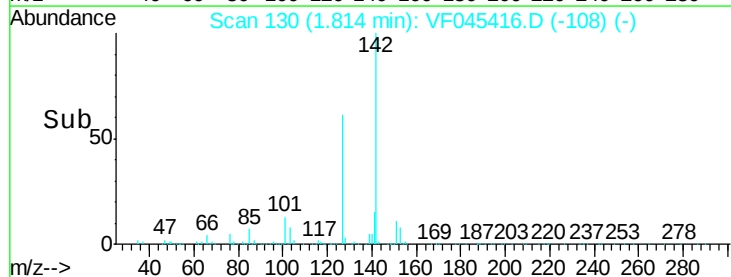
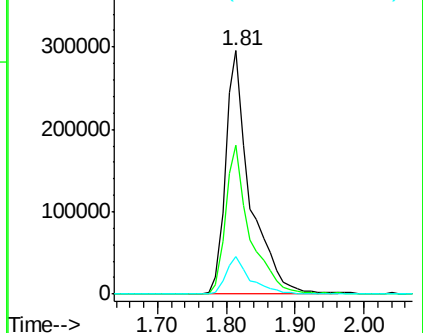
141 15.2 12.1 18.1

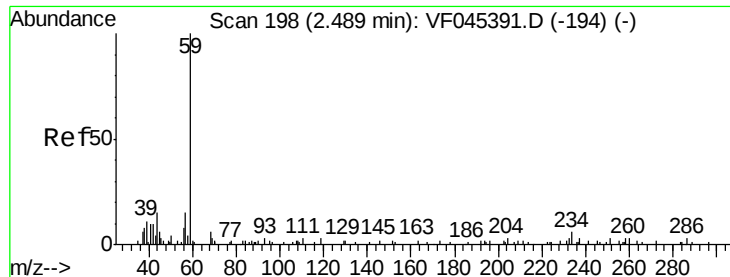


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



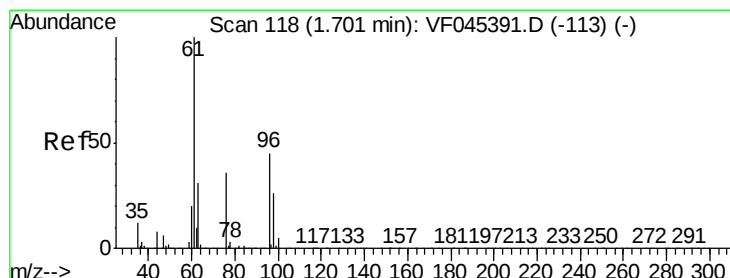
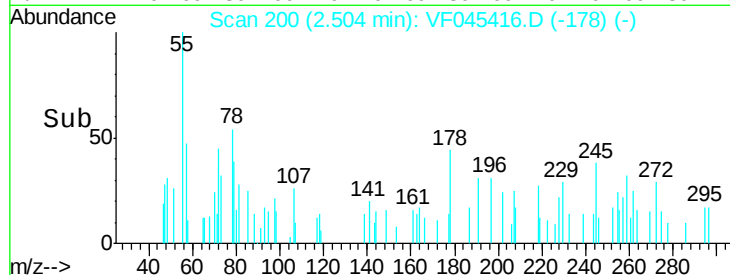
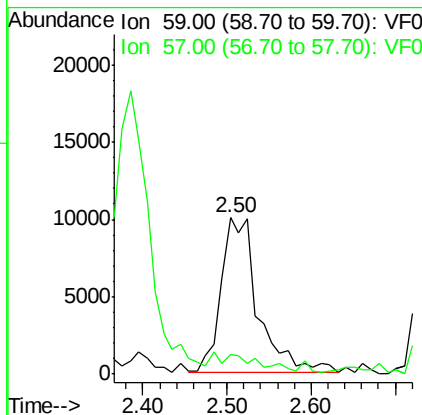
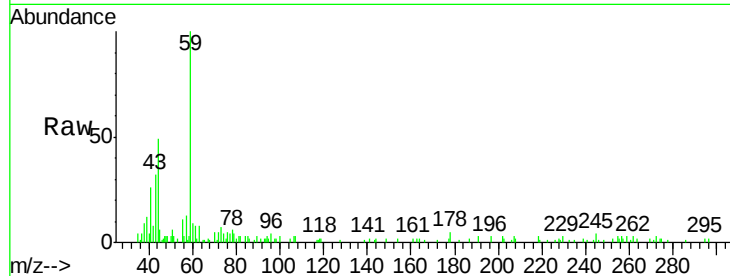


#11

Tert butyl alcohol
 Concen: 256.24 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. 0.02 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

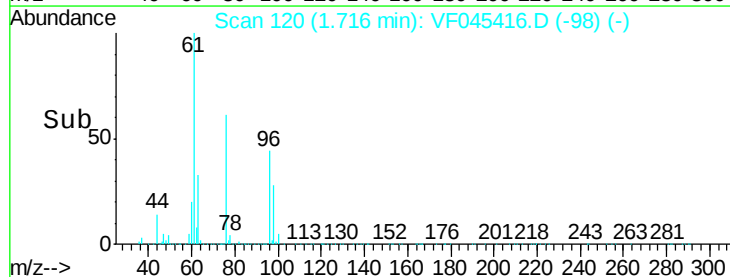
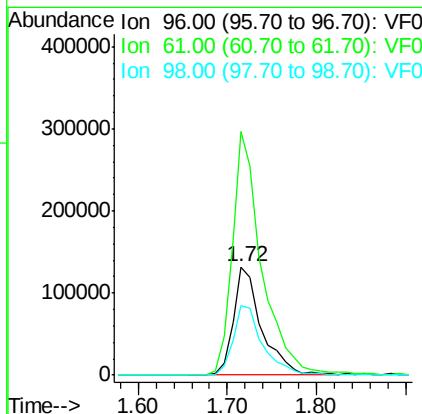
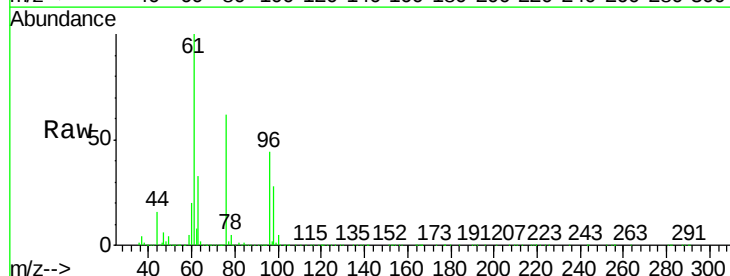
Tot Ion: 59 Resp: 30539
 Ion Ratio Lower Upper
 59 100
 57 14.0 8.6 13.0#

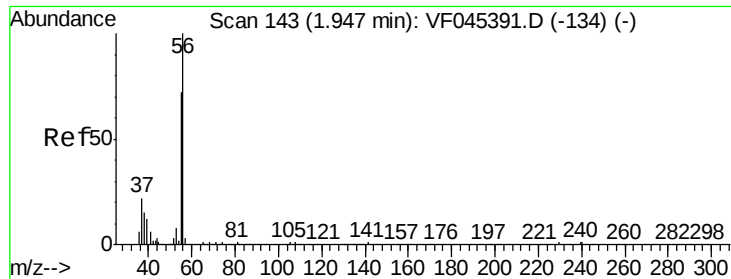


#12

1,1-Dichloroethene
 Concen: 47.95 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

Tgt Ion: 96 Resp: 290311
 Ion Ratio Lower Upper
 96 100
 61 224.8 165.8 248.8
 98 63.7 51.2 76.8

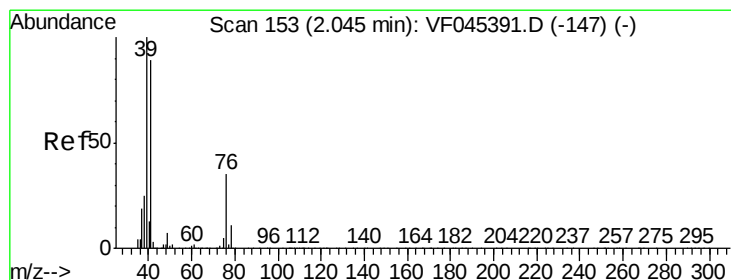
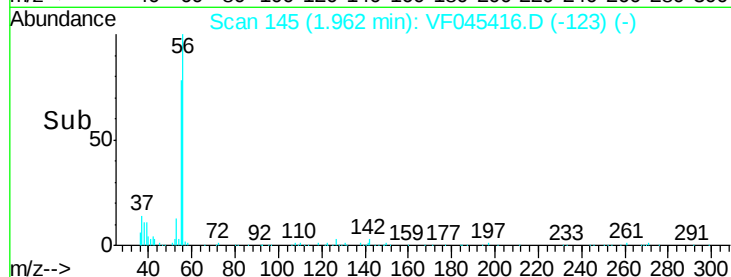
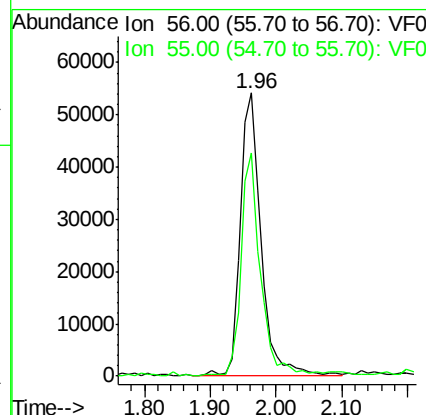
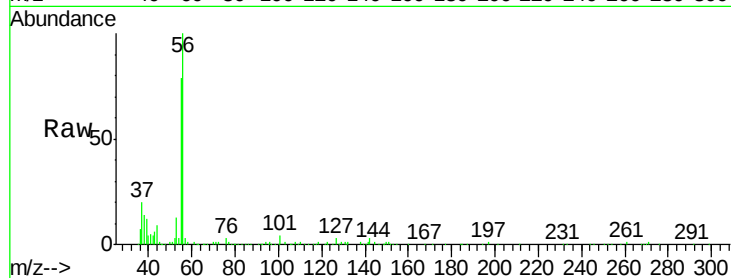




#13
Acrolein
Concen: 244.29 ug/l
RT: 1.96 min Scan# 145
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

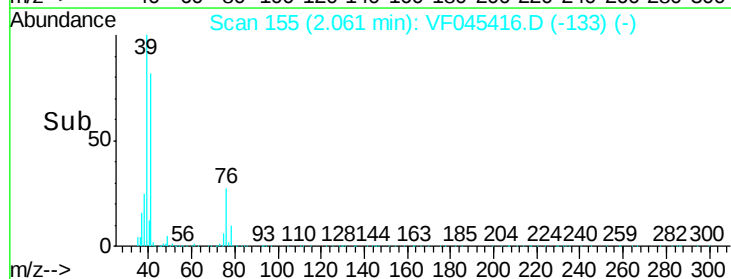
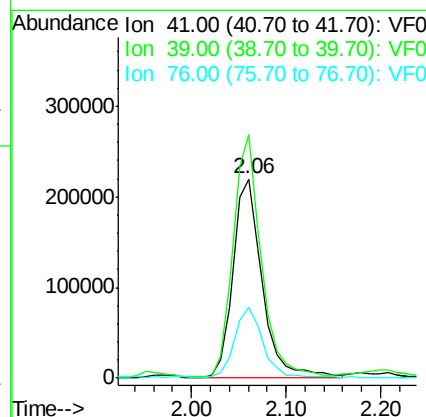
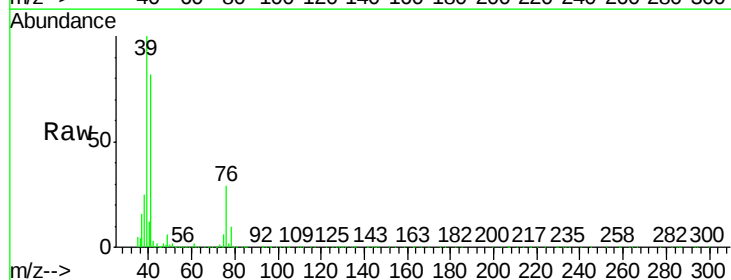
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

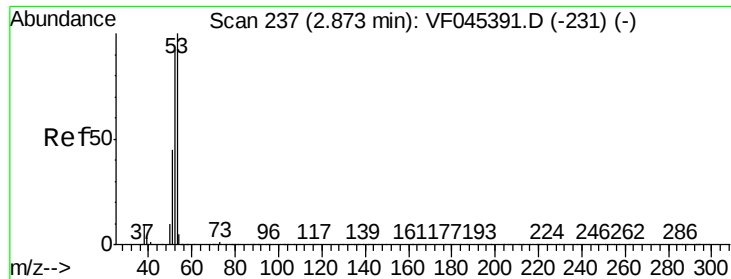
Tot Ion: 56 Resp: 120642
Ion Ratio Lower Upper
56 100
55 78.7 60.5 90.7



#14
Allyl chloride
Concen: 49.18 ug/l
RT: 2.06 min Scan# 155
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion: 41 Resp: 462021
Ion Ratio Lower Upper
41 100
39 122.3 92.8 139.2
76 35.6 27.7 41.5

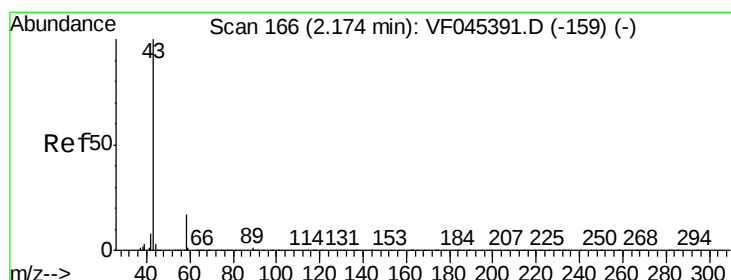
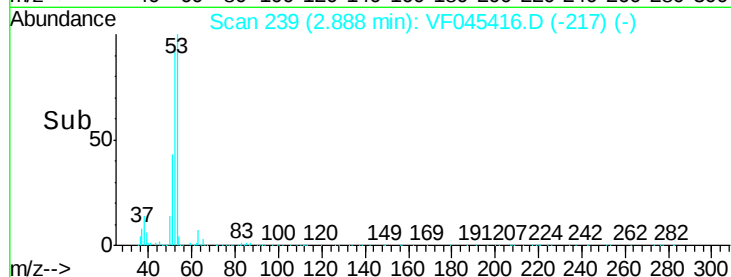
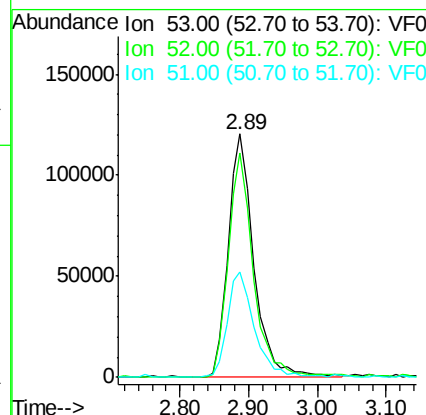
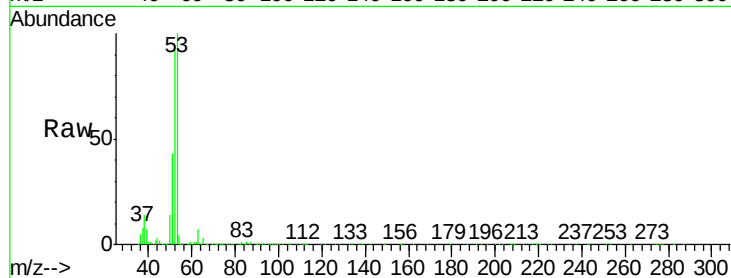




#15
 Acrylonitrile
 Concen: 271.13 ug/l
 RT: 2.89 min Scan# 239
 Delta R.T. 0.02 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

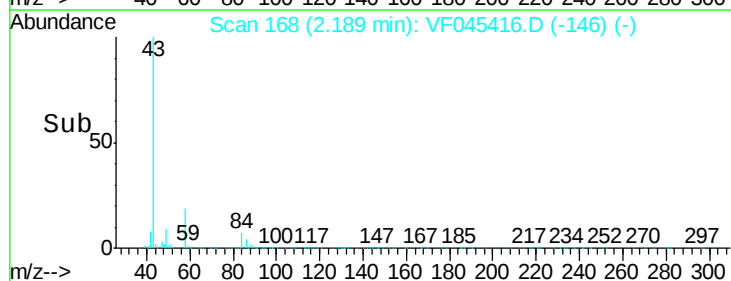
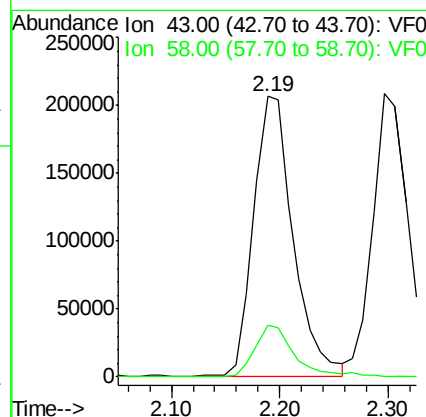
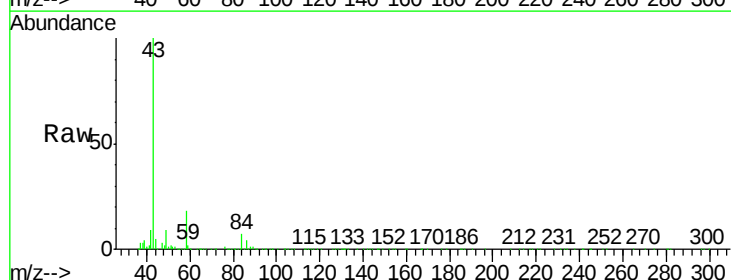
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

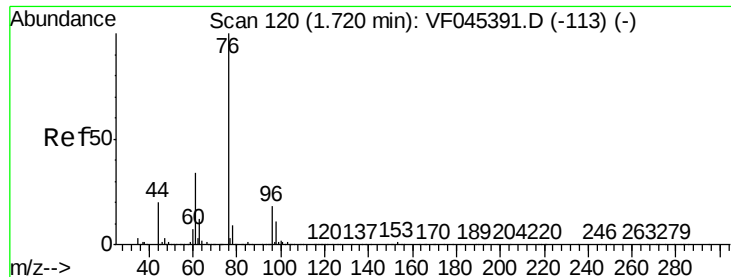
Tot Ion: 53 Resp: 308816
 Ion Ratio Lower Upper
 53 100
 52 92.4 72.7 109.1
 51 43.4 42.2 63.2



#16
 Acetone
 Concen: 219.13 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. 0.02 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

Tgt Ion: 43 Resp: 527635
 Ion Ratio Lower Upper
 43 100
 58 18.5 13.9 20.9

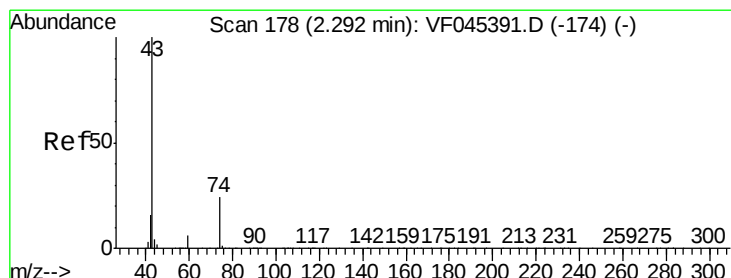
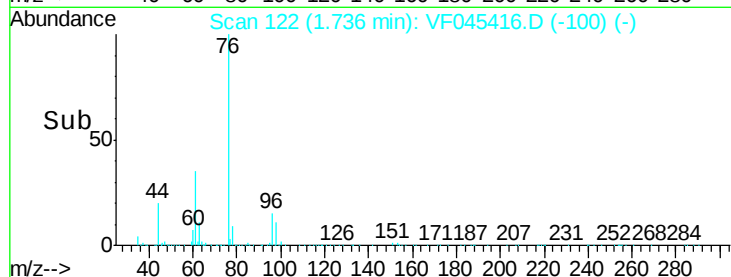
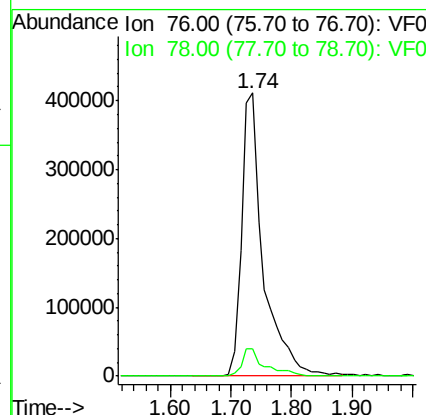
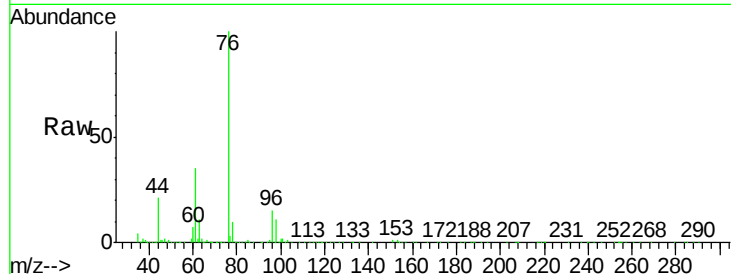




#17
Carbon Disulfide
Concen: 49.11 ug/l
RT: 1.74 min Scan# 122
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

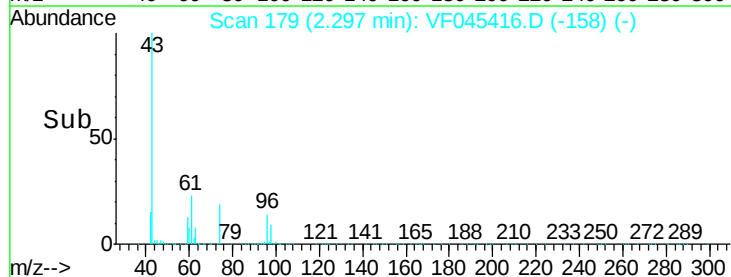
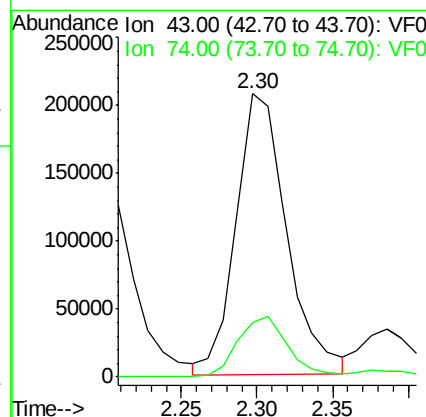
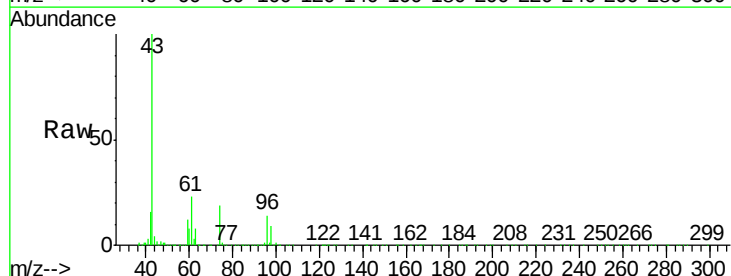
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

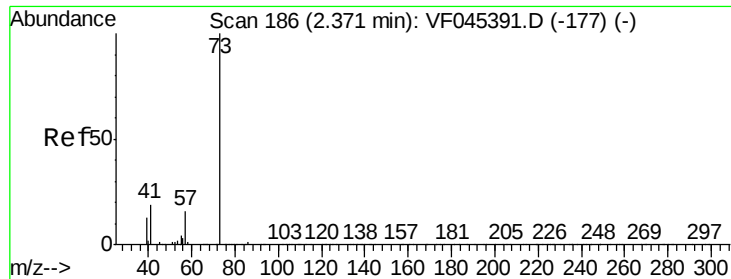
Tot Ion: 76 Resp: 1013298
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#18
Methyl Acetate
Concen: 52.71 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion: 43 Resp: 486835
Ion Ratio Lower Upper
43 100
74 19.4 15.1 22.7

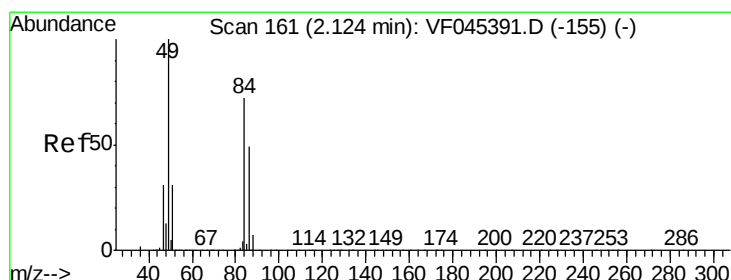
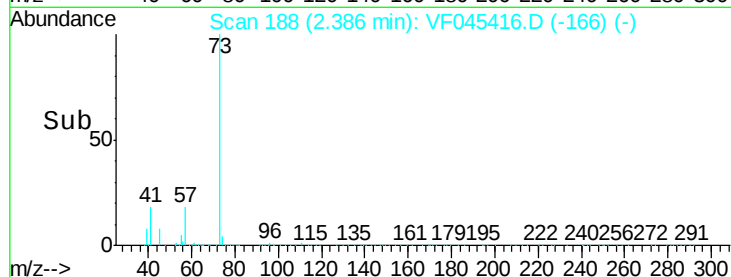
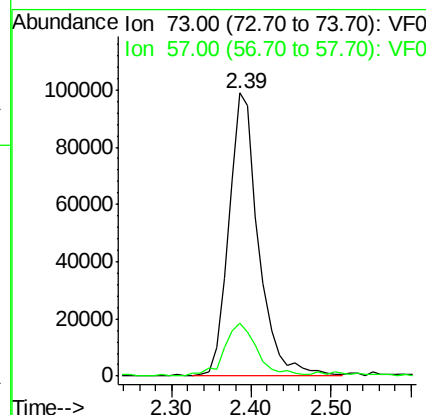
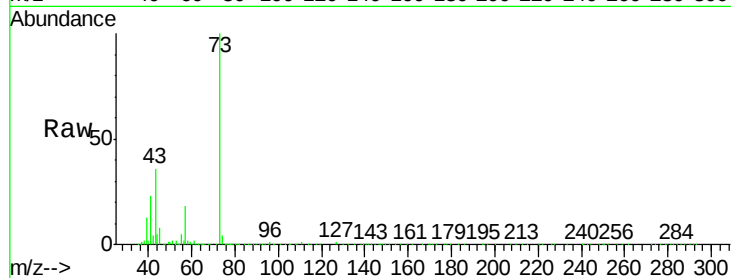




#19
Methvl tert-butvl Ether
Concen: 54.18 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

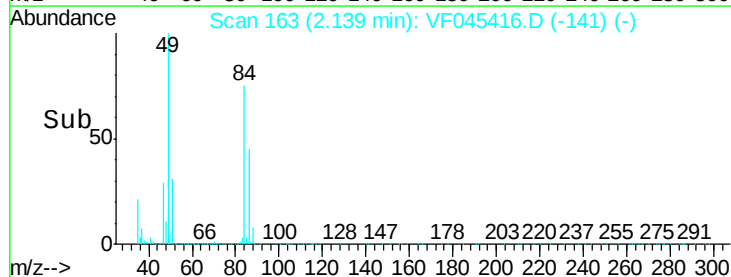
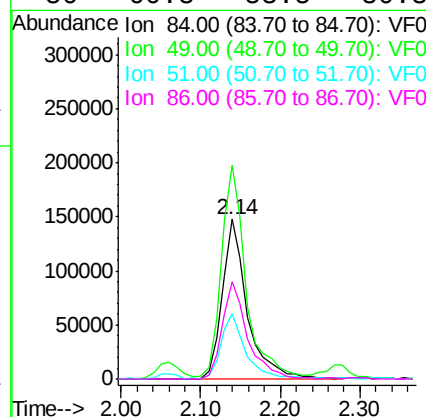
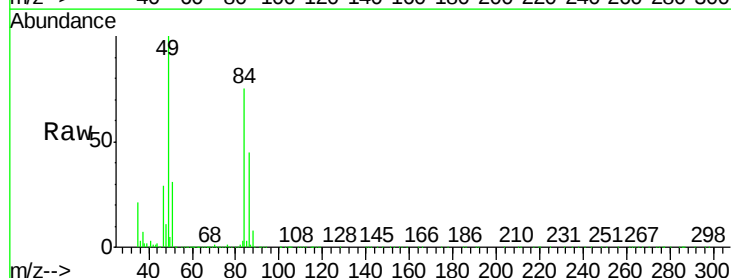
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

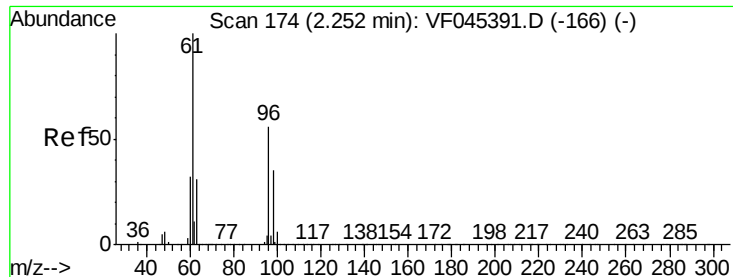
Tot Ion: 73 Resp: 258134
Ion Ratio Lower Upper
73 100
57 18.5 12.9 19.3



#20
Methylene Chloride
Concen: 49.92 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion: 84 Resp: 326569
Ion Ratio Lower Upper
84 100
49 133.9 122.8 184.2
51 41.2 35.4 53.2
86 60.8 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 50.52 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

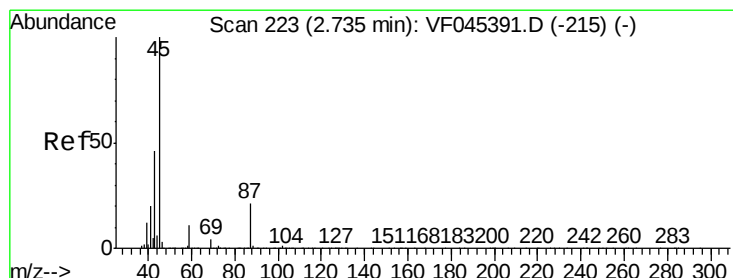
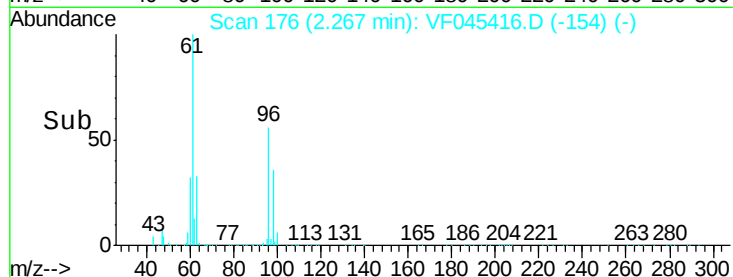
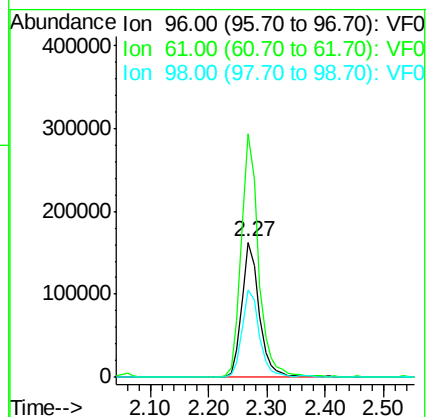
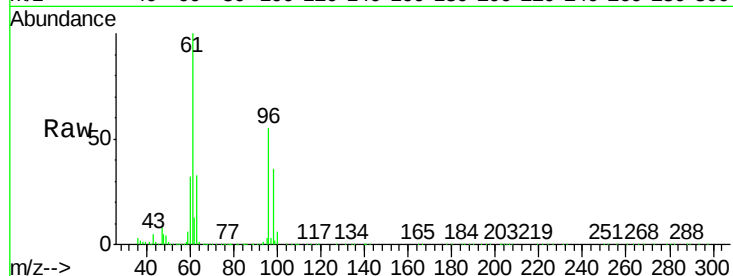
Tot Ion: 96 Resp: 342941

Ion Ratio Lower Upper

96 100

61 180.6 136.8 205.2

98 64.9 51.0 76.4



#22

Diisopropyl ether

Concen: 48.85 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Tgt Ion: 45 Resp: 978195

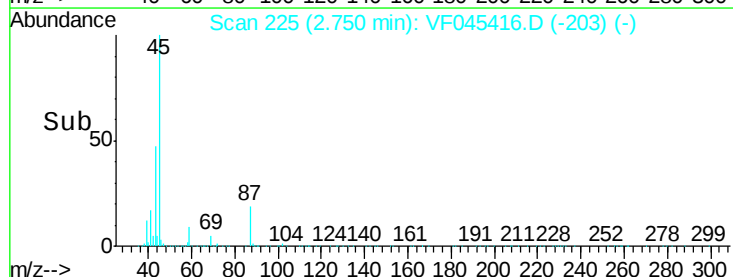
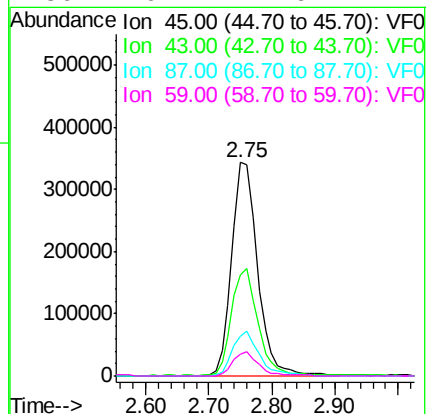
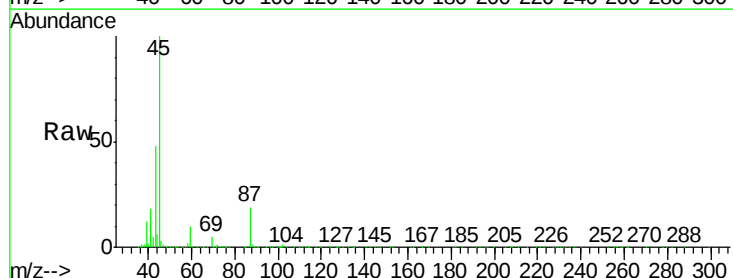
Ion Ratio Lower Upper

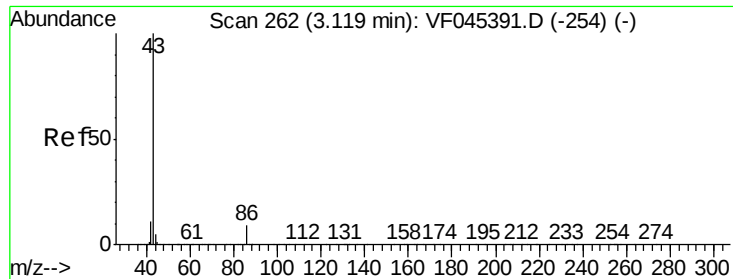
45 100

43 47.6 42.2 63.4

87 18.6 16.6 25.0

59 10.2 7.6 11.4





#23

Vinyl Acetate

Concen: 246.44 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

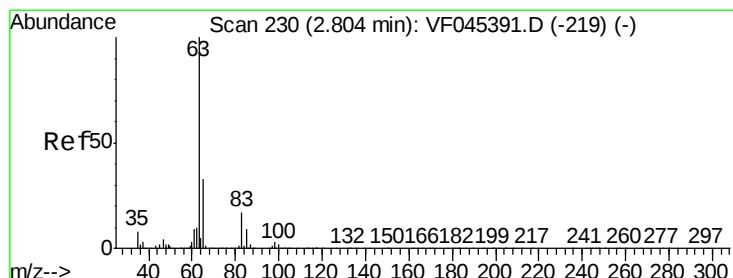
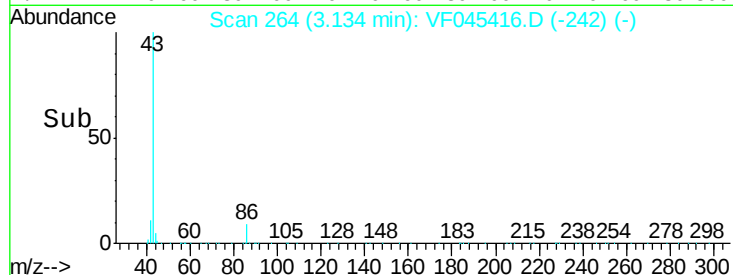
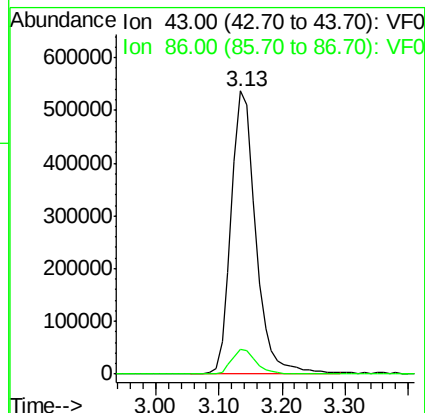
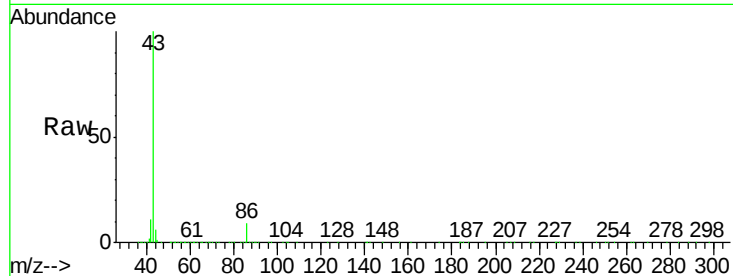
VSTDCCC050EC

Tot Ion: 43 Resp: 1440469

Ion Ratio Lower Upper

43 100

86 8.8 6.3 9.5



#24

1,1-Dichloroethane

Concen: 50.20 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

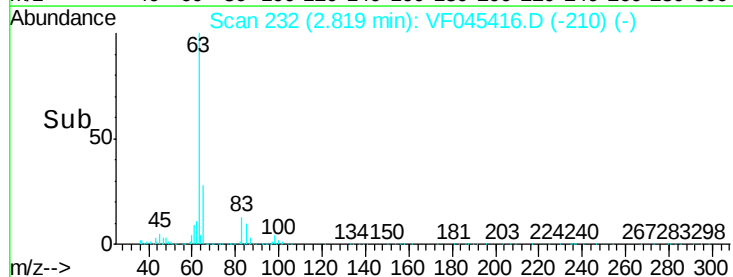
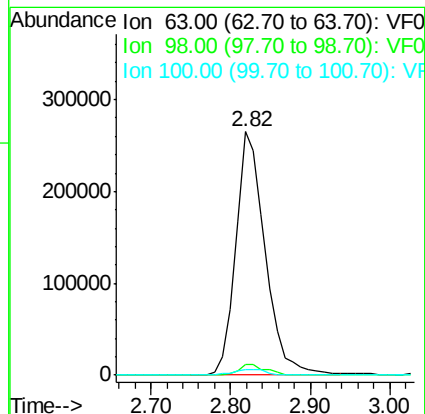
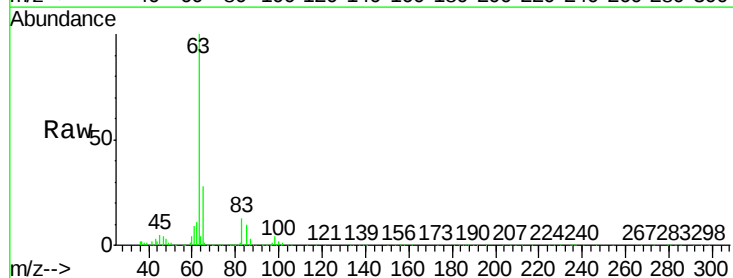
Tgt Ion: 63 Resp: 680416

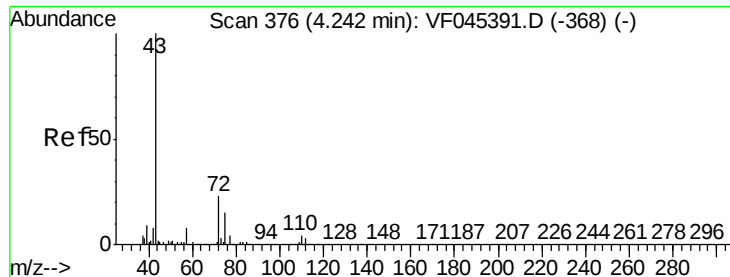
Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

100 2.3 1.1 3.5





#25

2-Butanone

Concen: 241.58 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

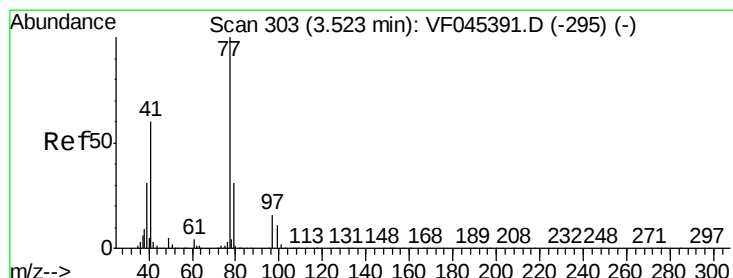
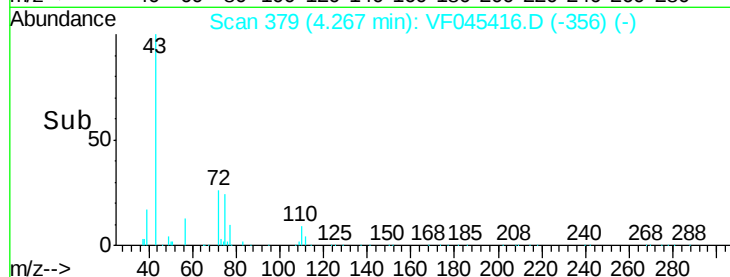
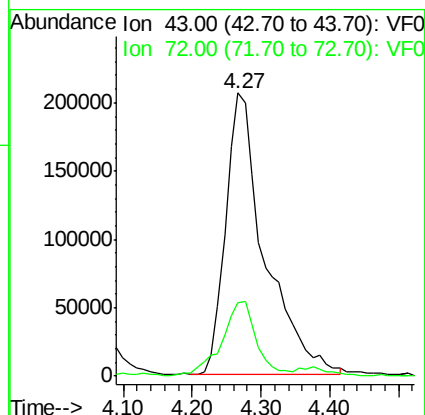
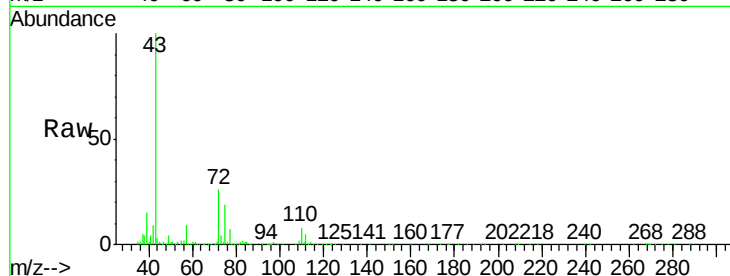
VSTDCCC050EC

Tot Ion: 43 Resp: 813688

Ion Ratio Lower Upper

43 100

72 26.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 47.30 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.02 min

Lab File: VF045416.D

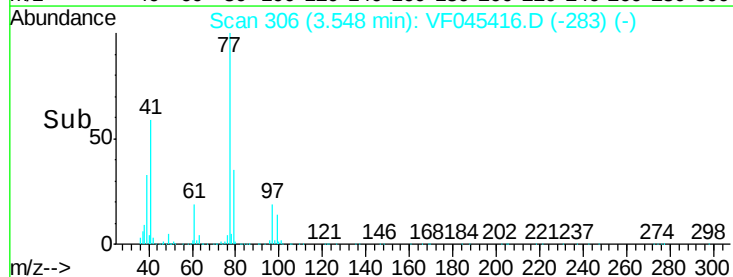
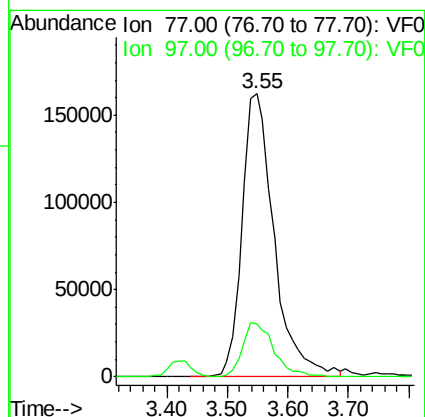
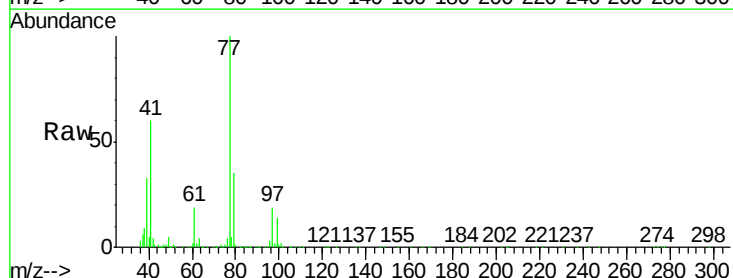
Acq: 17 Sep 2015 19:48

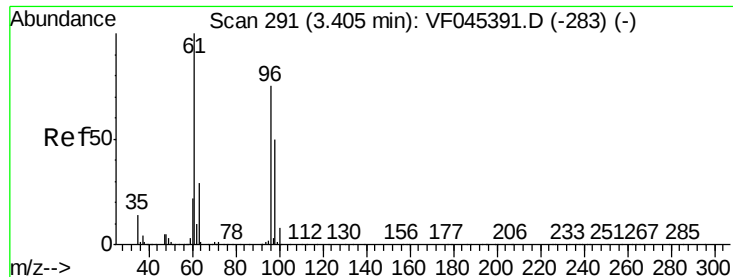
Tgt Ion: 77 Resp: 597034

Ion Ratio Lower Upper

77 100

97 18.9 9.2 27.4



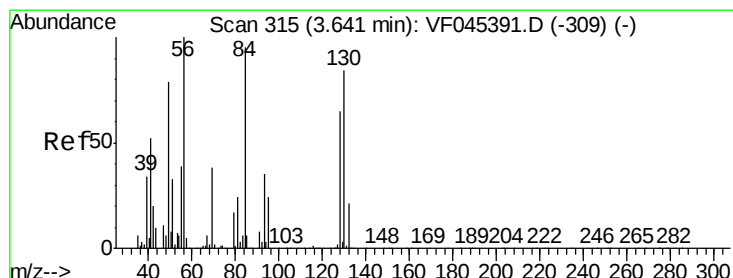
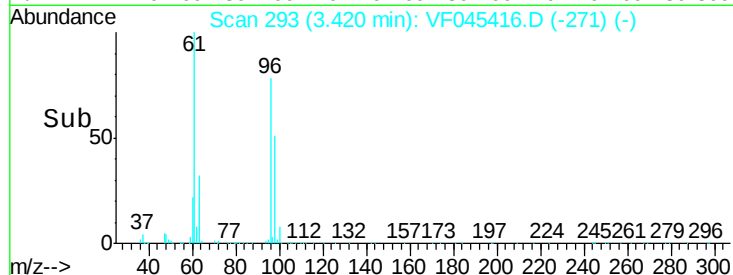
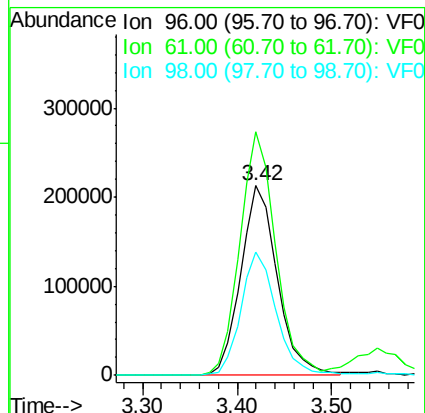
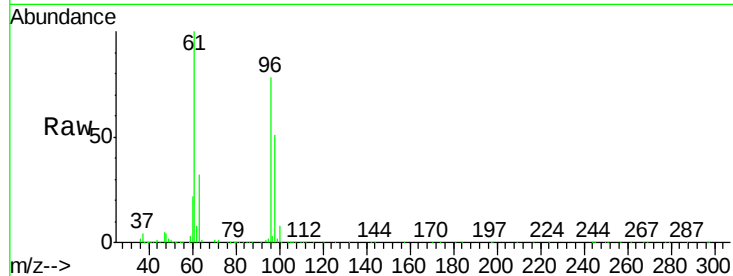


#27

cis-1,2-Dichloroethene
Concen: 54.45 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

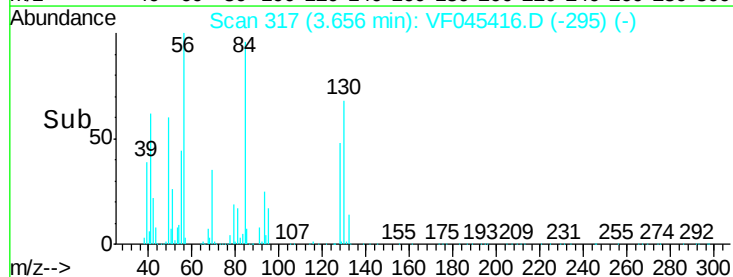
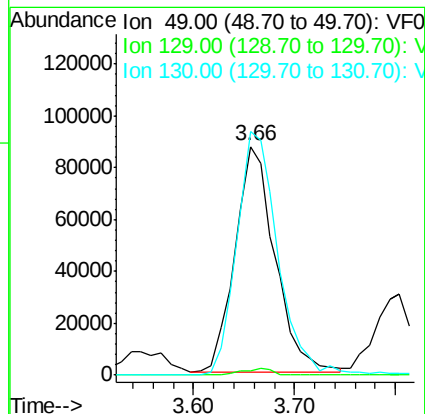
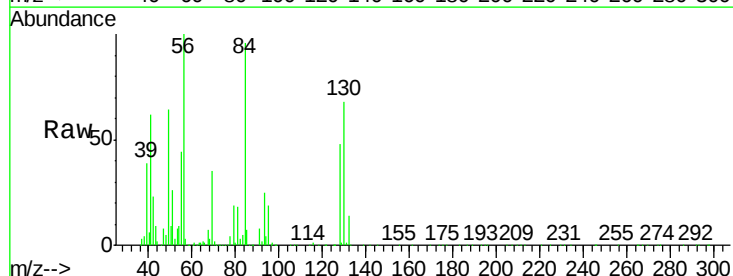
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	268.6
98	65.2	0.0	135.8

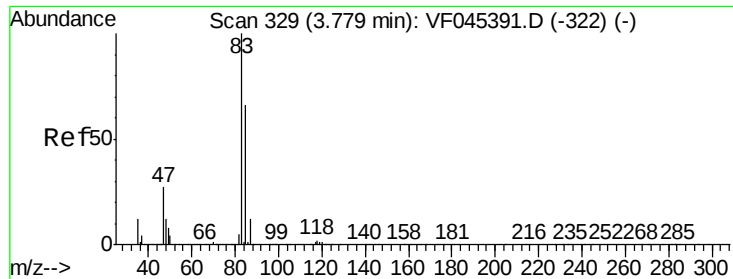


#28

Bromochloromethane
Concen: 44.93 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	106.5	79.6	119.4





#29

Chloroform

Concen: 51.30 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

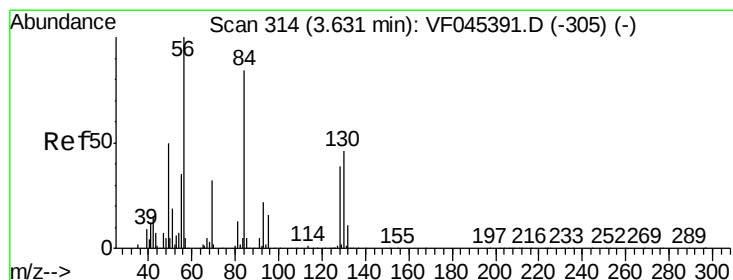
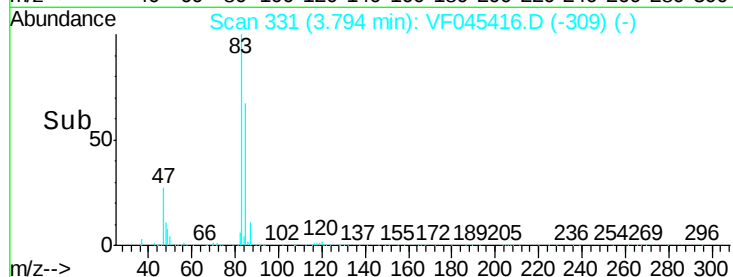
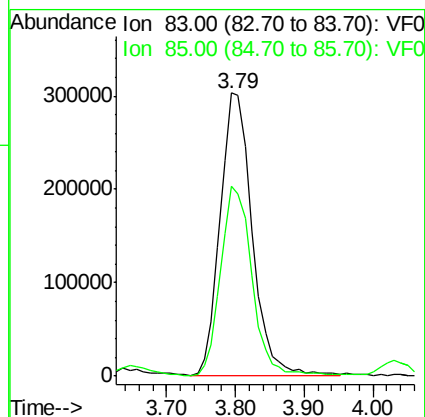
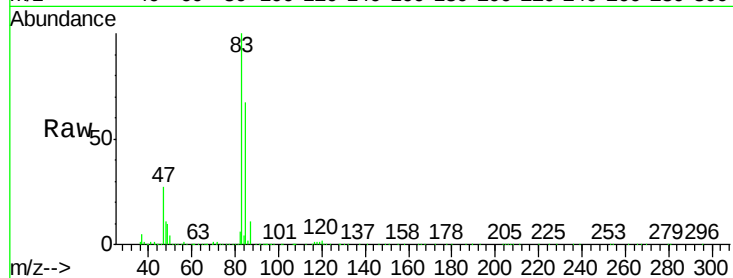
VSTDCCC050EC

Tot Ion: 83 Resp: 977354

Ion Ratio Lower Upper

83 100

85 67.1 51.6 77.4



#30

Cyclohexane

Concen: 51.83 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

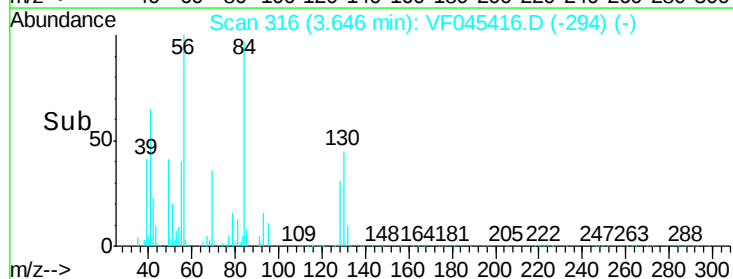
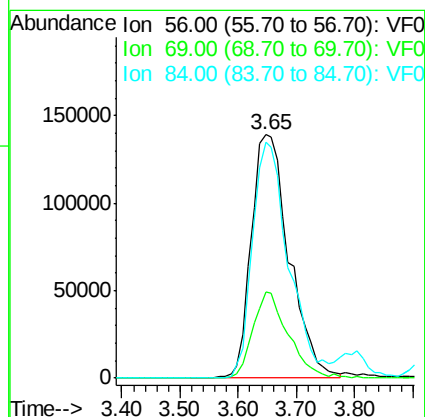
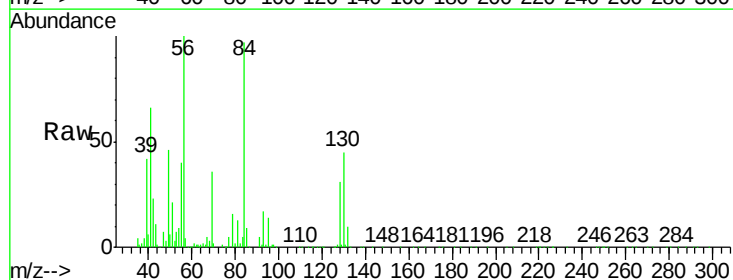
Tgt Ion: 56 Resp: 633923

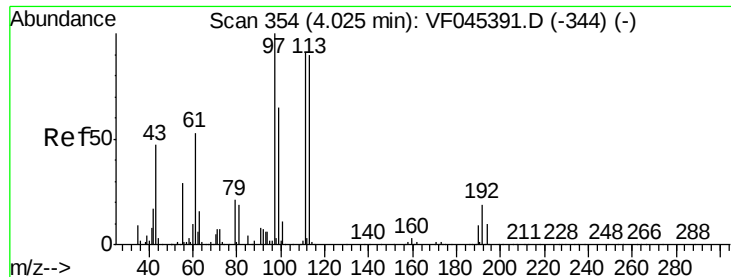
Ion Ratio Lower Upper

56 100

69 35.7 26.1 39.1

84 96.9 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 48.61 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

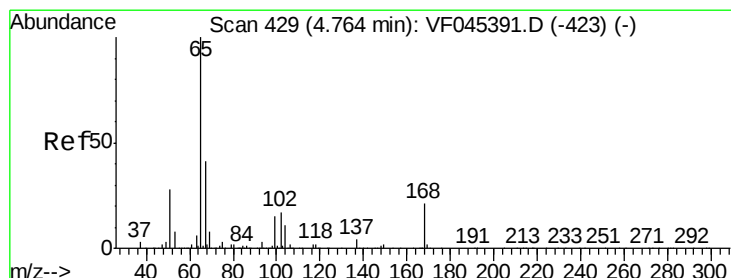
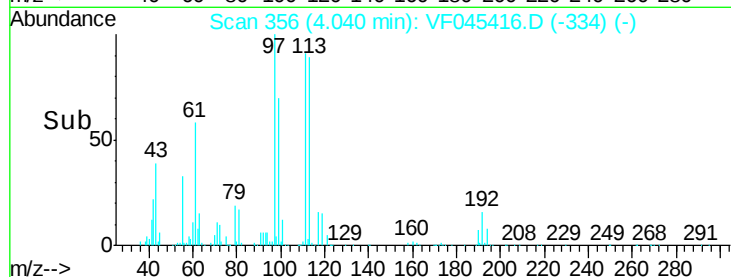
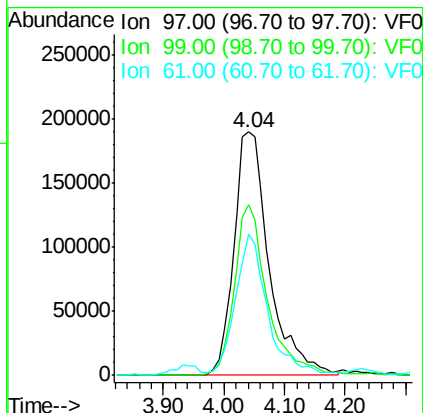
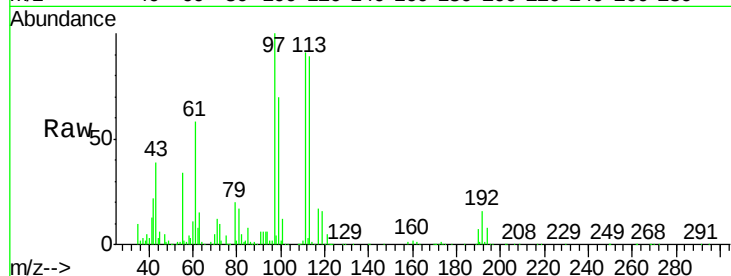
Tot Ion: 97 Resp: 767190

Ion Ratio Lower Upper

97 100

99 70.1 51.1 76.7

61 58.0 37.8 56.6#



#32

1,2-Dichloroethane-d4

Concen: 53.22 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF045416.D

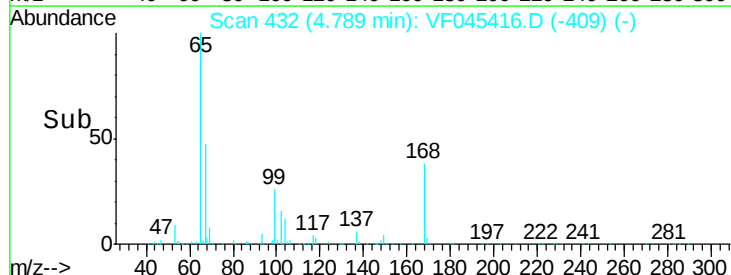
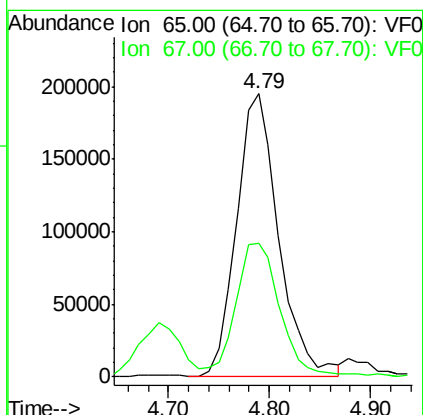
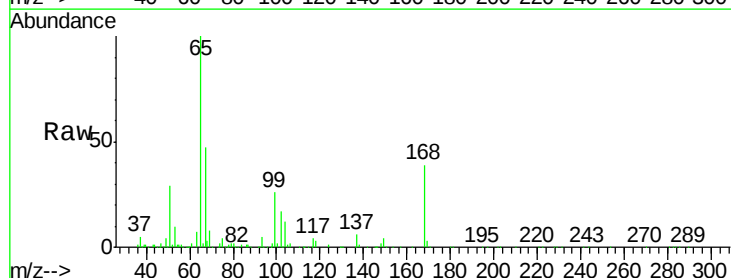
Acq: 17 Sep 2015 19:48

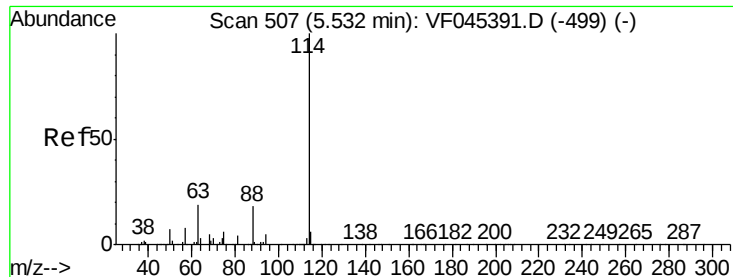
Tgt Ion: 65 Resp: 564414

Ion Ratio Lower Upper

65 100

67 47.4 0.0 102.2

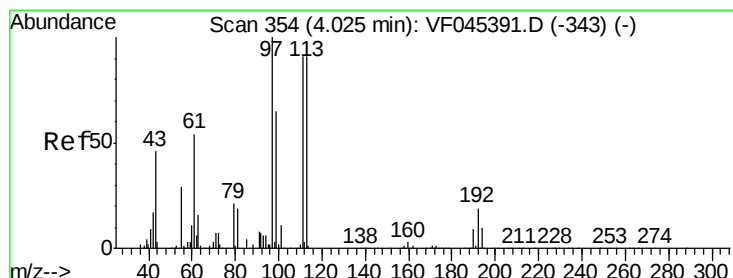
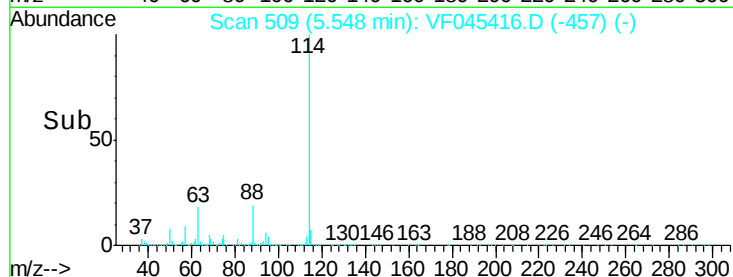
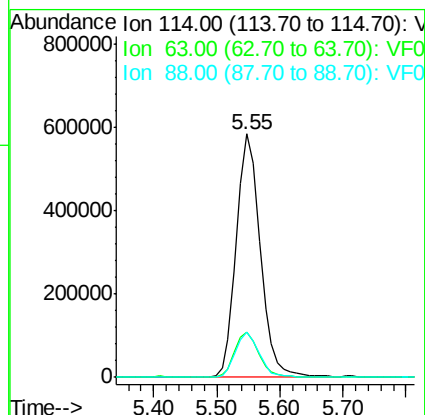
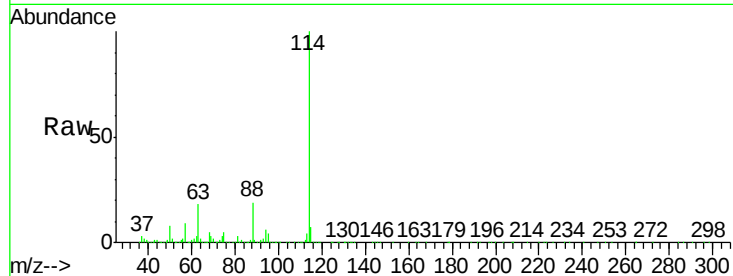




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

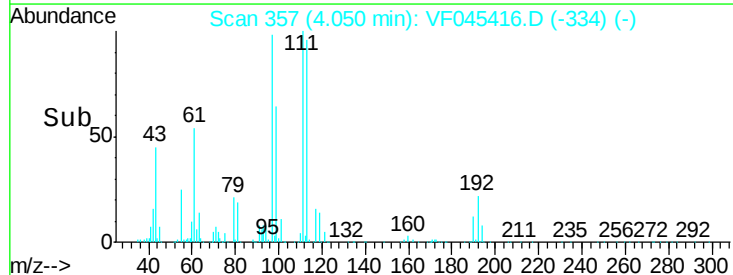
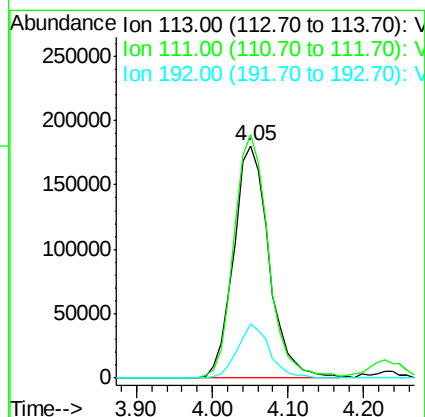
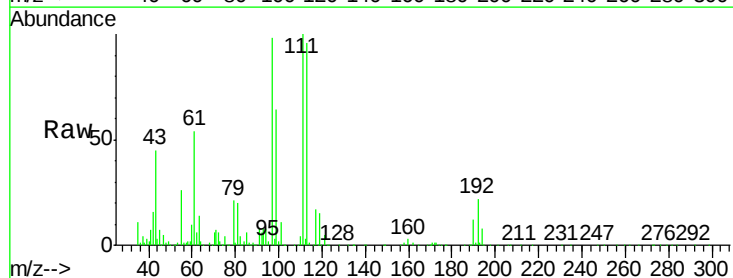
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

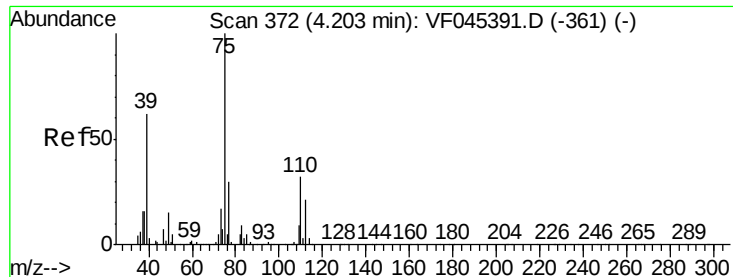
Tot Ion:114 Resp: 1541064
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.2
88 18.6 0.0 37.0



#34
Dibromofluoromethane
Concen: 48.94 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion:113 Resp: 584176
Ion Ratio Lower Upper
113 100
111 104.7 75.5 113.3
192 23.3 15.6 23.4





#35

1,1-Dichloropropene

Concen: 49.40 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

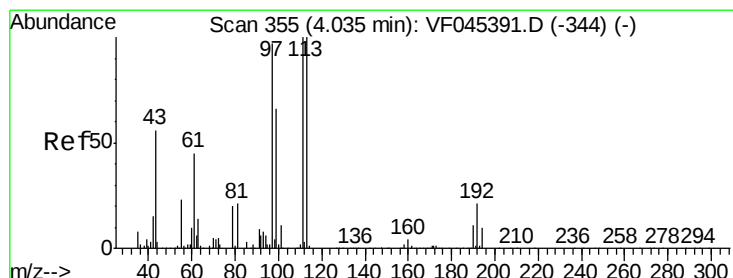
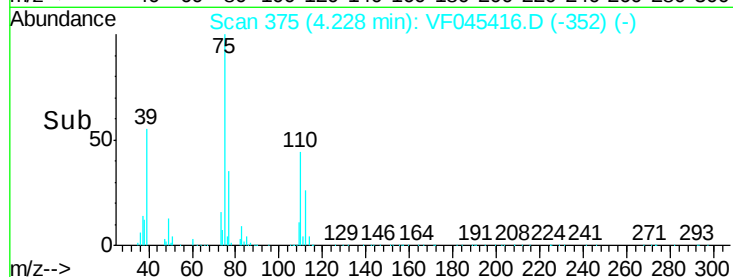
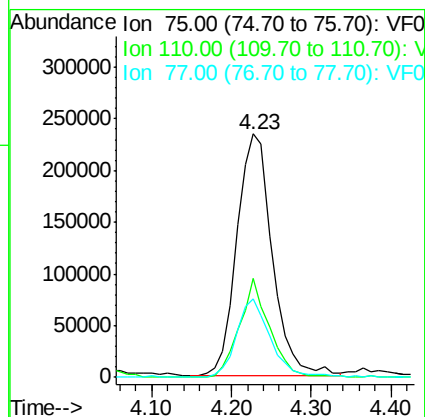
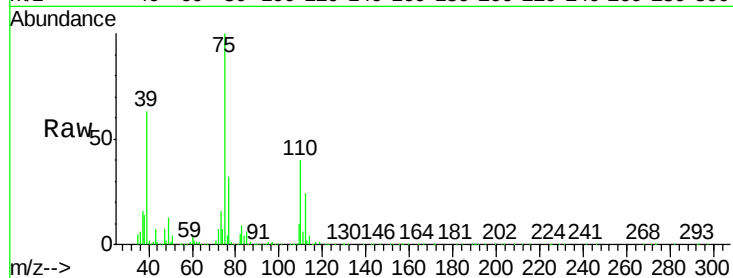
Tot Ion: 75 Resp: 722282

Ion Ratio Lower Upper

75 100

110 40.4 15.9 47.6

77 32.0 24.2 36.4



#36

Ethyl Acetate

Concen: 44.92 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

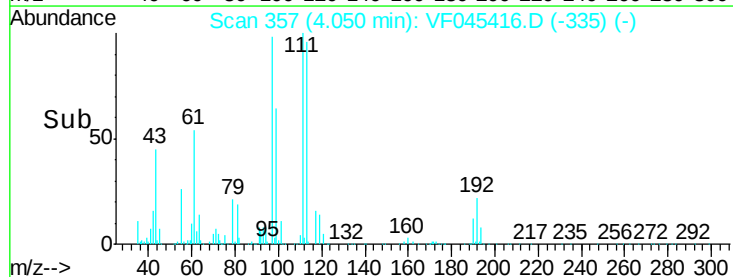
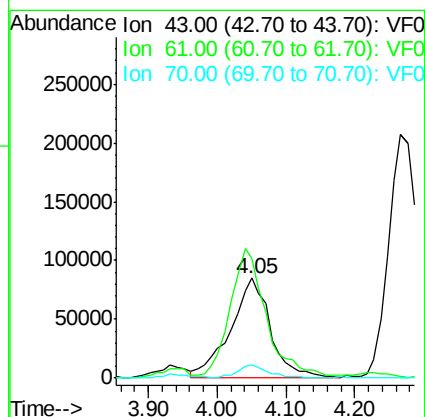
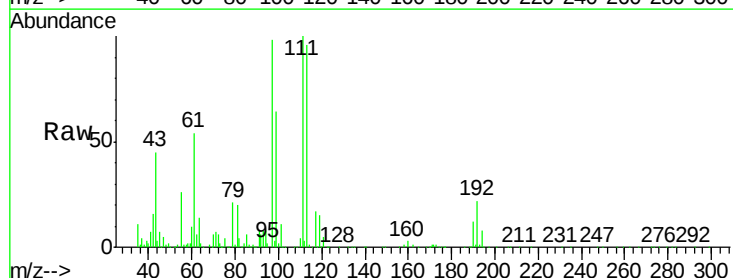
Tgt Ion: 43 Resp: 332319

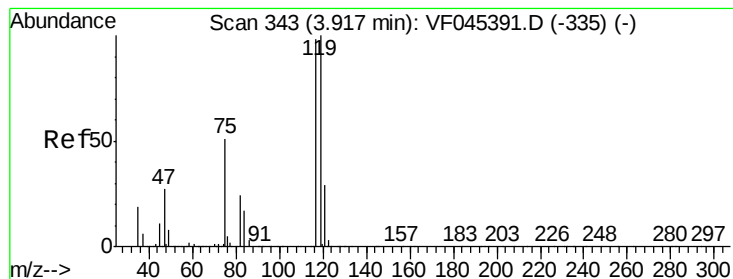
Ion Ratio Lower Upper

43 100

61 119.8 49.4 74.0#

70 12.8 10.8 16.2





#37

Carbon Tetrachloride

Concen: 45.41 ug/l

RT: 3.94 min Scan# 346

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

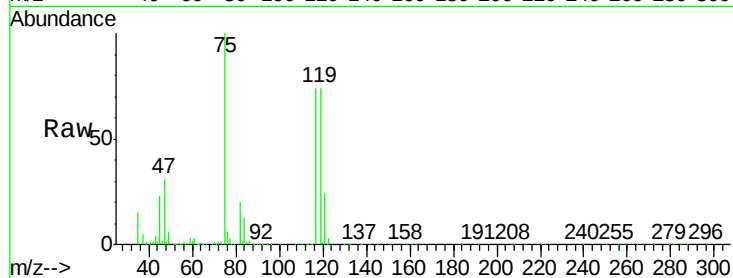
Tot Ion:117 Resp: 699411

Ion Ratio Lower Upper

117 100

119 99.1 77.8 116.8

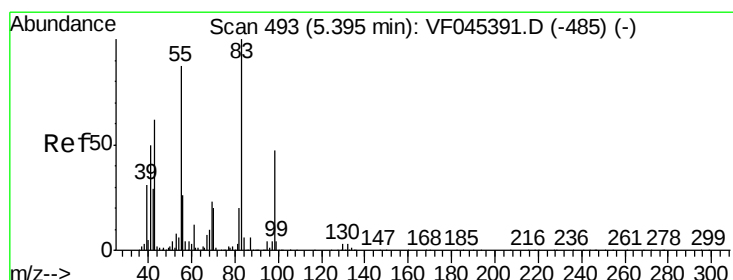
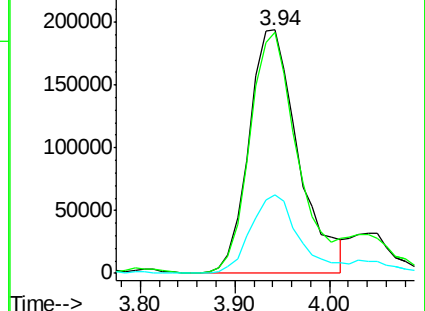
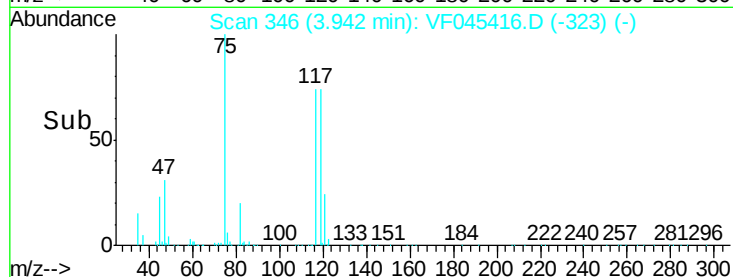
121 32.4 25.4 38.0



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: 46.10 ug/l

RT: 5.41 min Scan# 495

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

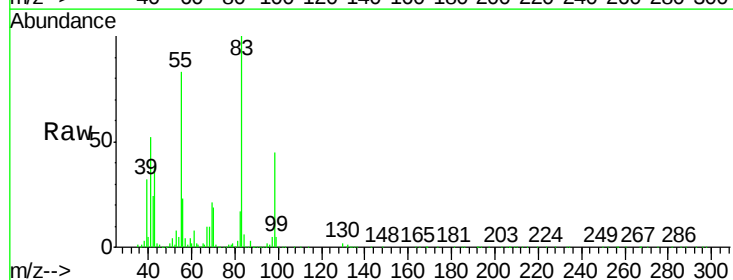
Tgt Ion: 83 Resp: 724422

Ion Ratio Lower Upper

83 100

55 83.5 60.5 90.7

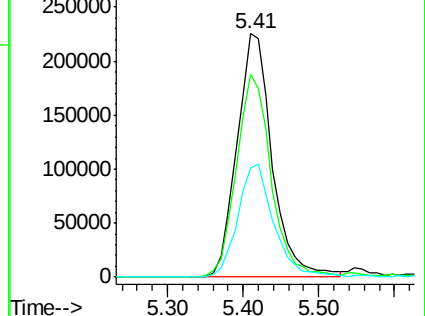
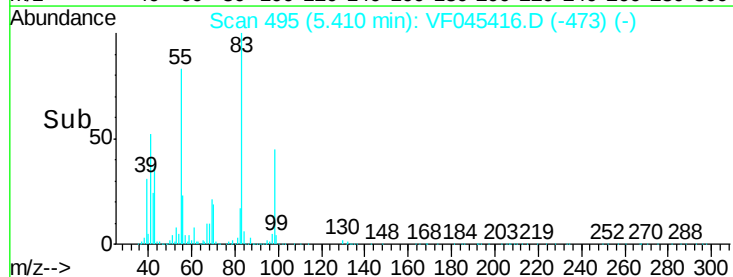
98 44.7 38.1 57.1

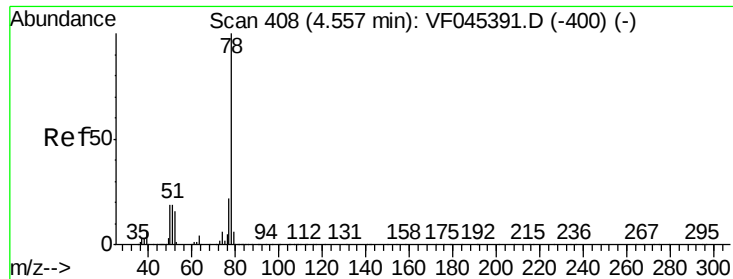


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 47.17 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

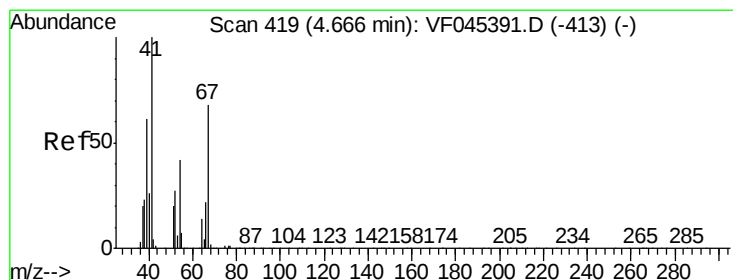
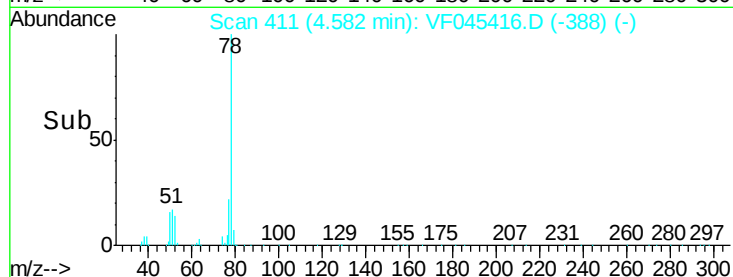
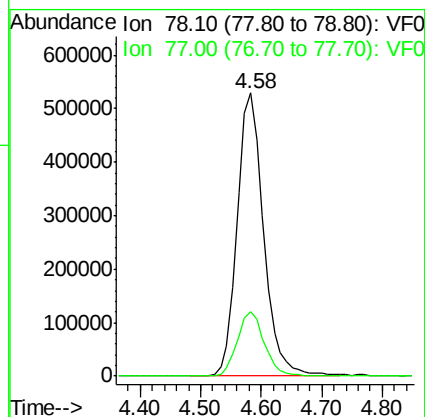
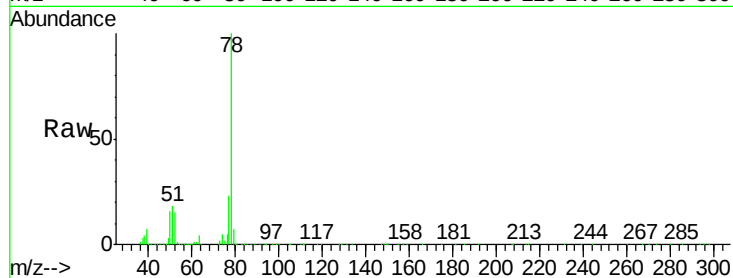
VSTDCCC050EC

Tot Ion: 78 Resp: 1612422

Ion Ratio Lower Upper

78 100

77 22.7 18.6 28.0



#40

Methacrylonitrile

Concen: 46.74 ug/l

RT: 4.68 min Scan# 421

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Tgt Ion: 41 Resp: 163665

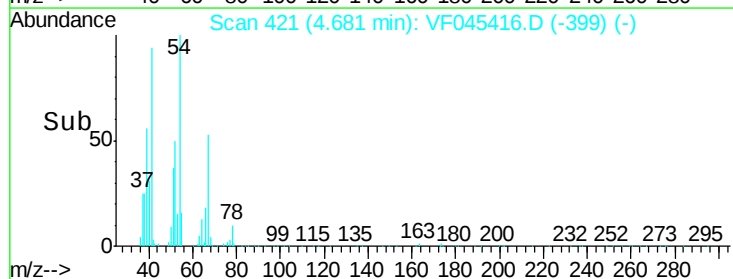
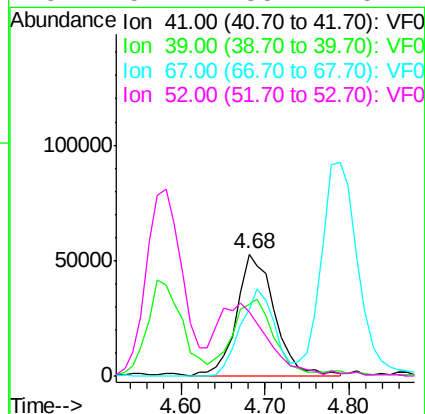
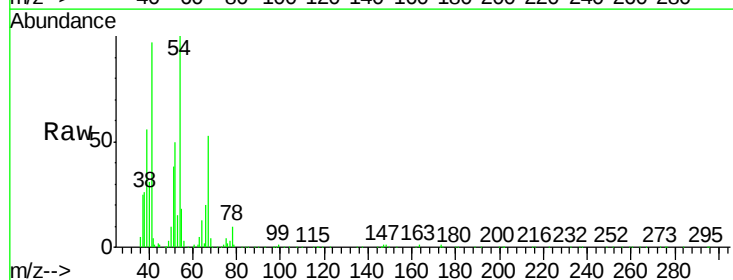
Ion Ratio Lower Upper

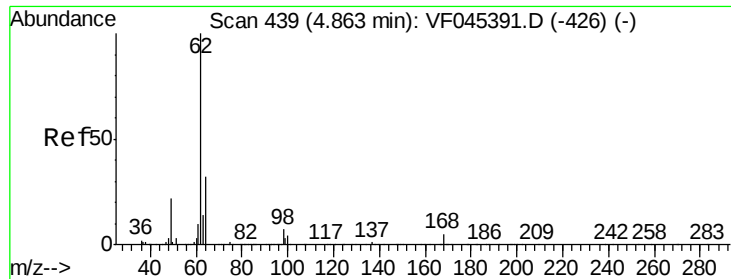
41 100

39 58.4 44.9 67.3

67 55.2 49.0 73.4

52 52.2 38.2 57.2





#41

1,2-Dichloroethane

Concen: 45.68 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

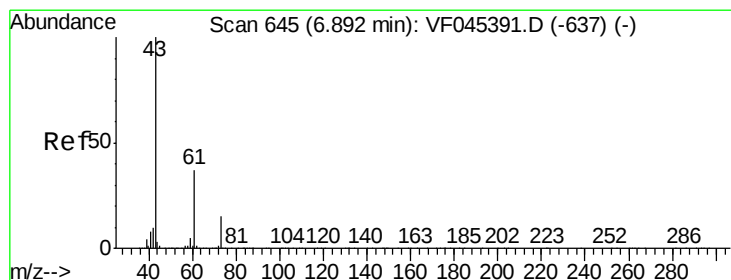
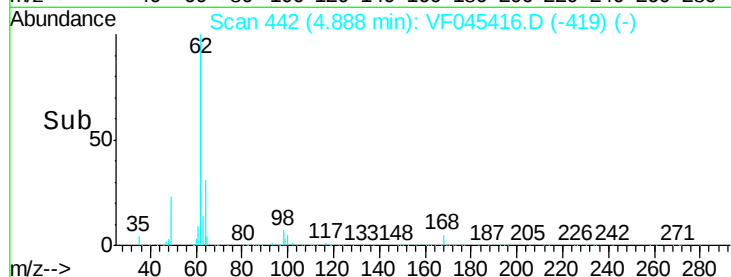
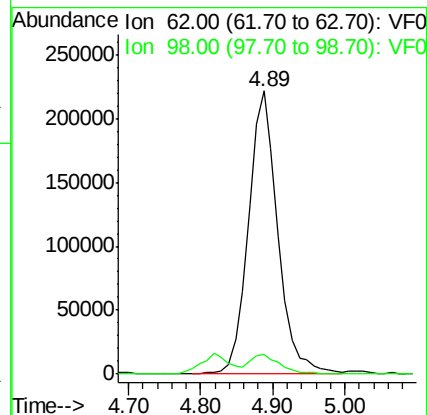
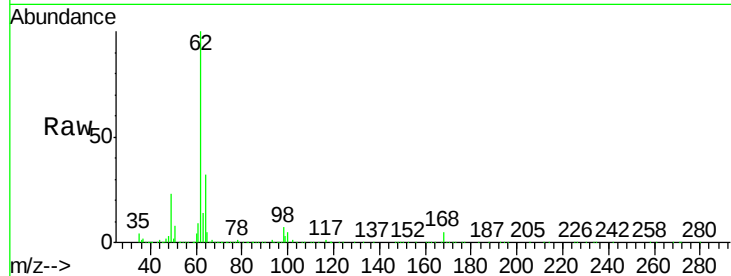
VSTDCCC050EC

Tot Ion: 62 Resp: 629850

Ion Ratio Lower Upper

62 100

98 6.8 0.0 17.0



#42

Isopropyl Acetate

Concen: 48.26 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

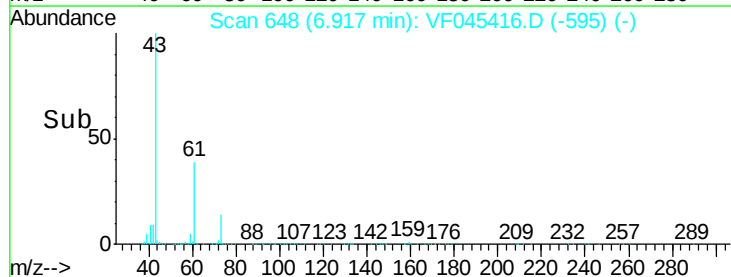
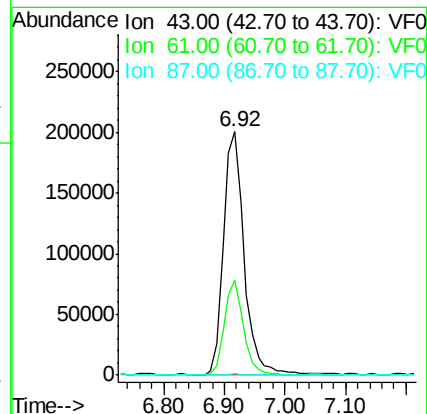
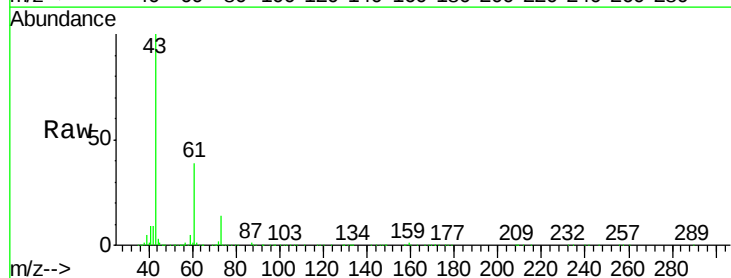
Tgt Ion: 43 Resp: 470346

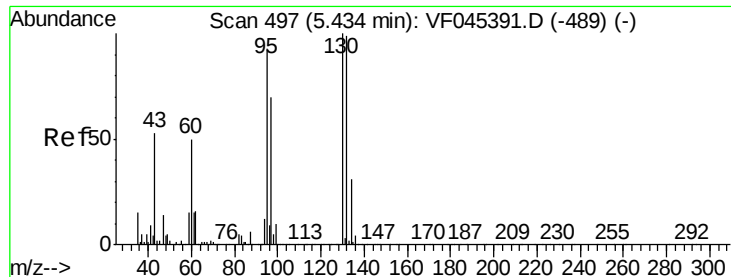
Ion Ratio Lower Upper

43 100

61 39.1 29.8 44.6

87 0.5 0.2 0.2#





#43

Trichloroethene

Concen: 49.32 ug/l

RT: 5.45 min Scan# 499

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

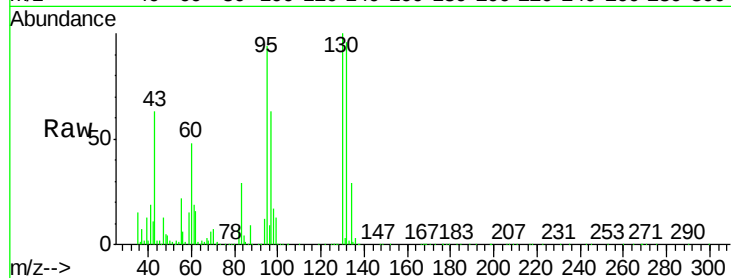
VSTDCCC050EC

Tot Ion:130 Resp: 575740

Ion Ratio Lower Upper

130 100

95 93.6 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

250000

200000

150000

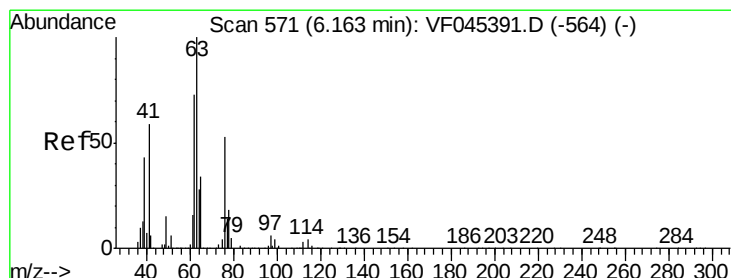
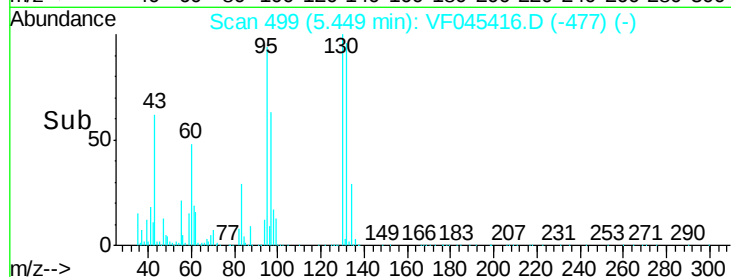
100000

50000

0

5.30 5.40 5.50 5.60

Time-->



#44

1,2-Dichloropropane

Concen: 46.90 ug/l

RT: 6.19 min Scan# 574

Delta R.T. 0.02 min

Lab File: VF045416.D

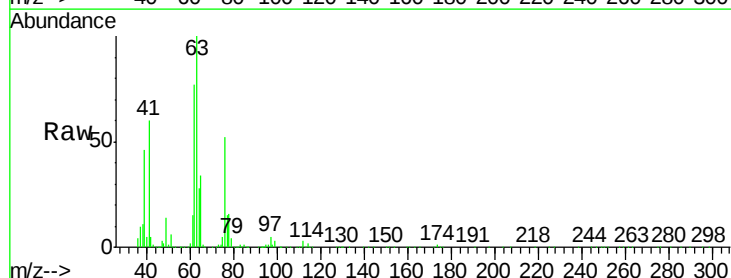
Acq: 17 Sep 2015 19:48

Tgt Ion: 63 Resp: 467012

Ion Ratio Lower Upper

63 100

65 34.3 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

200000

150000

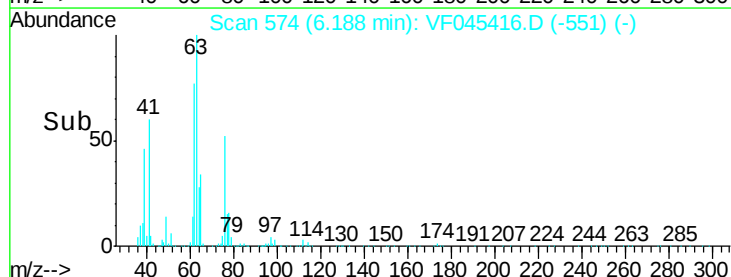
100000

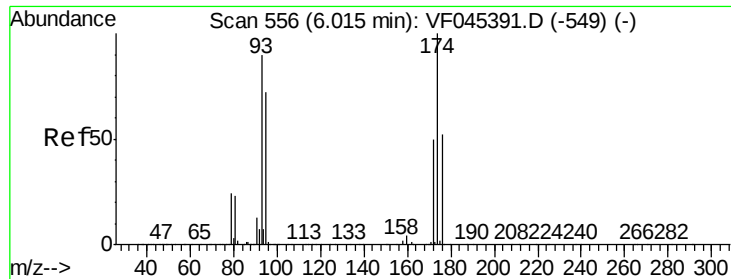
50000

0

6.10 6.20 6.30

Time-->





#45

Dibromomethane

Concen: 47.61 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

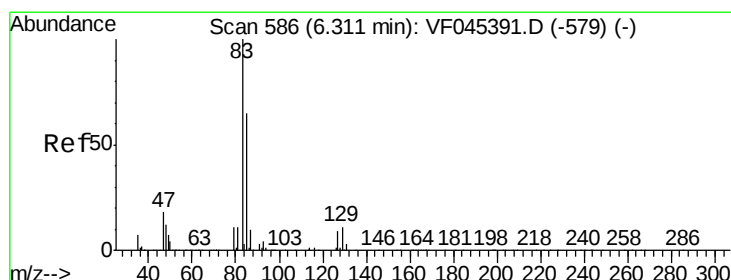
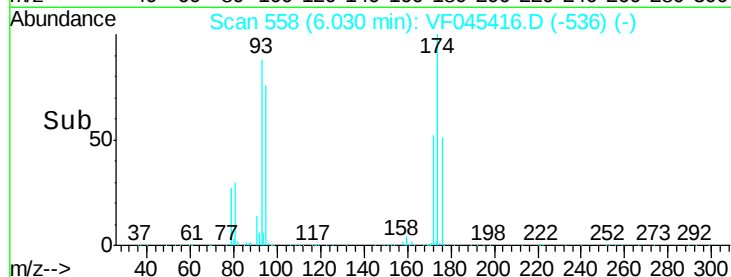
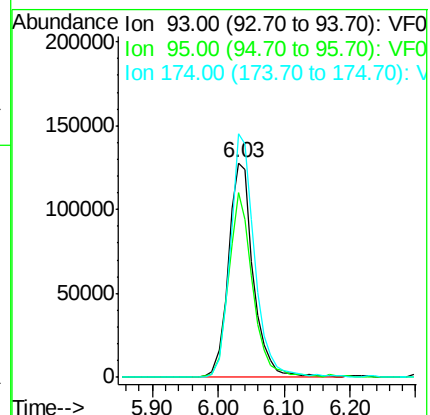
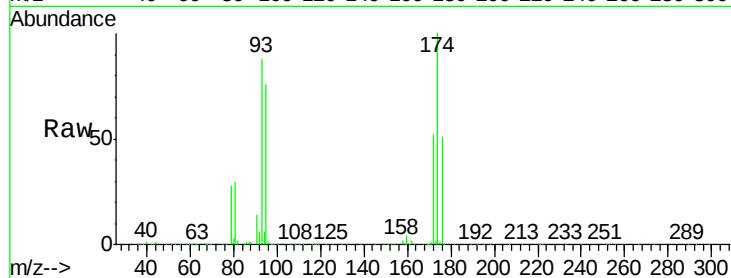
Tot Ion: 93 Resp: 337397

Ion Ratio Lower Upper

93 100

95 86.5 69.8 104.6

174 113.7 90.5 135.7



#46

Bromodichloromethane

Concen: 47.25 ug/l

RT: 6.33 min Scan# 588

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

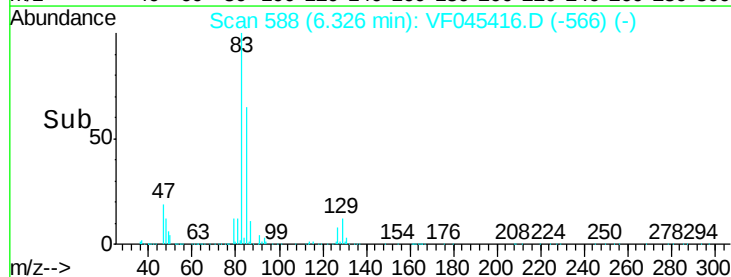
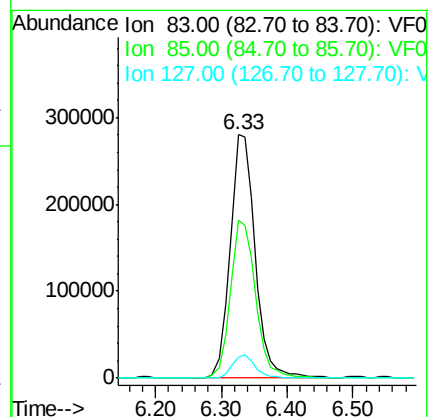
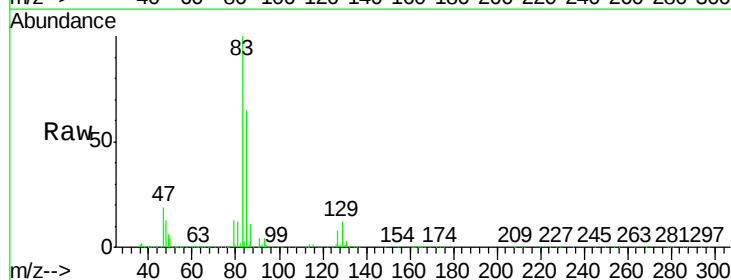
Tgt Ion: 83 Resp: 749692

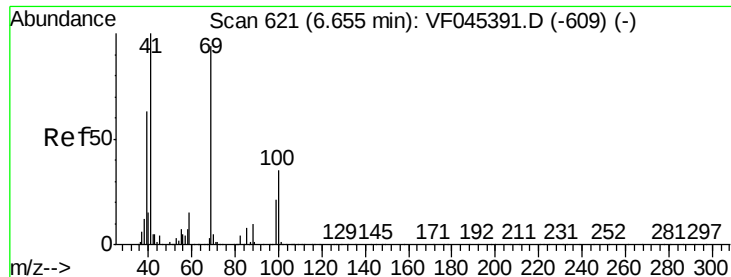
Ion Ratio Lower Upper

83 100

85 64.6 50.6 75.8

127 8.4 7.7 11.5





#47

Methvl methacrvlate

Concen: 48.55 ug/l

RT: 6.67 min Scan# 623

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

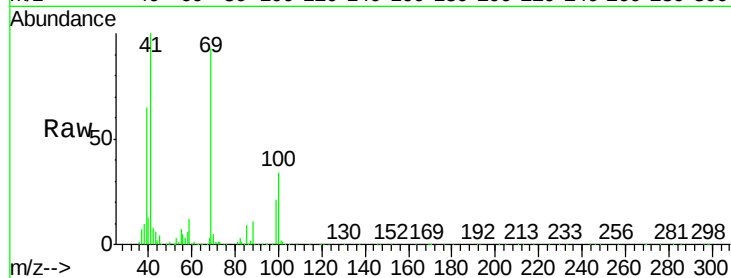
Tot Ion: 41 Resp: 287237

Ion Ratio Lower Upper

41 100

69 92.5 63.3 94.9

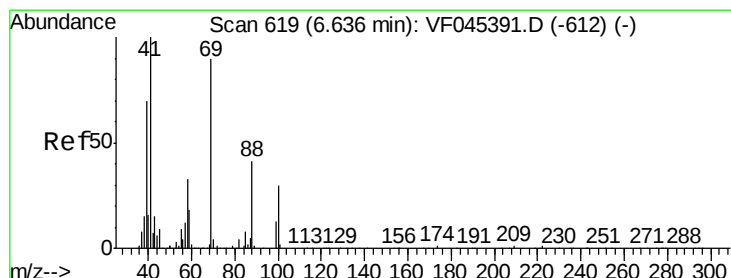
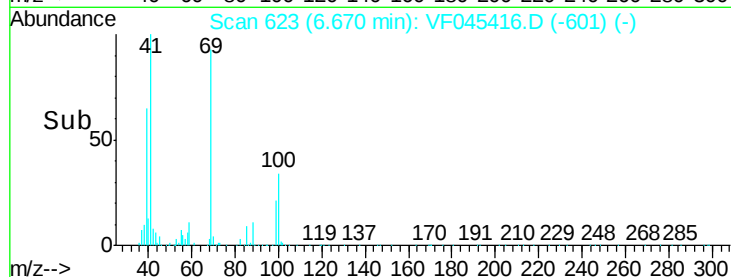
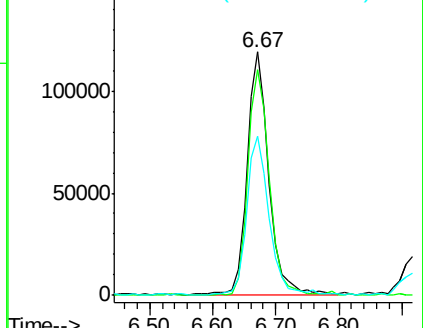
39 65.3 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#48

1,4-Dioxane

Concen: 963.61 ug/l

RT: 6.66 min Scan# 622

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

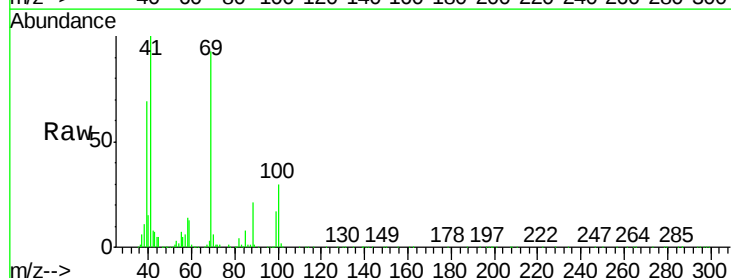
Tgt Ion: 88 Resp: 68285

Ion Ratio Lower Upper

88 100

43 35.2 34.5 51.7

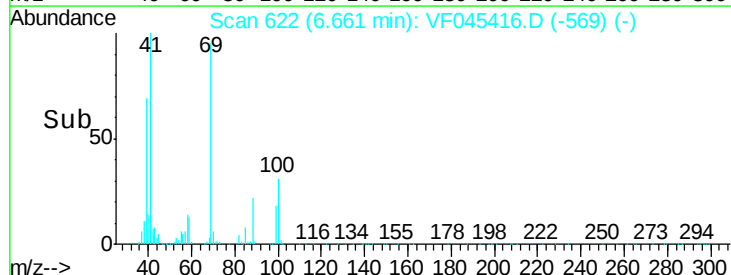
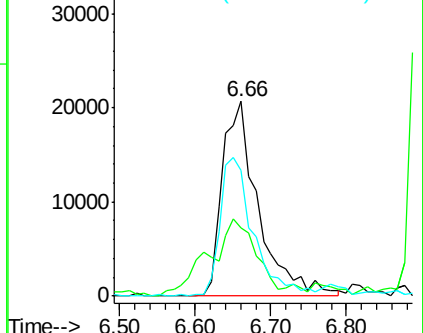
58 64.4 46.5 69.7

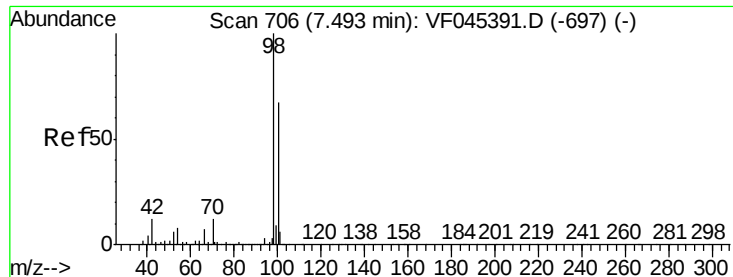


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#49

Toluene-d8

Concen: 51.06 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

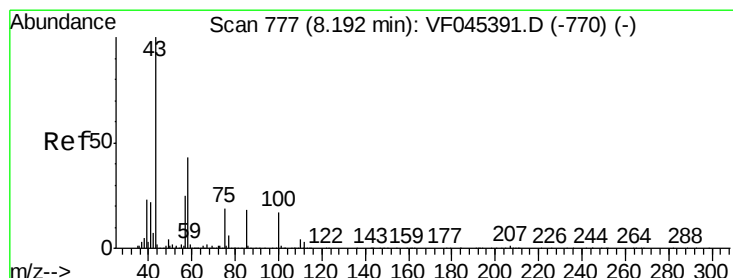
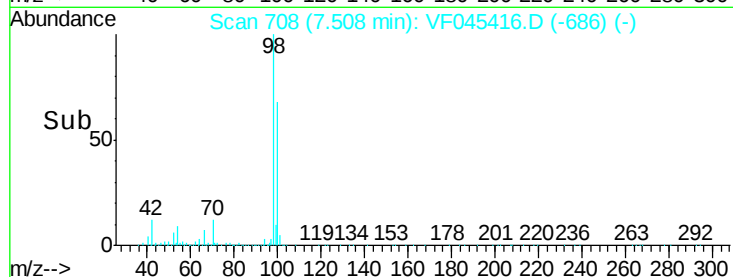
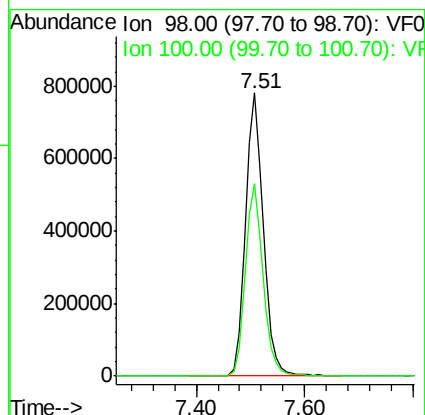
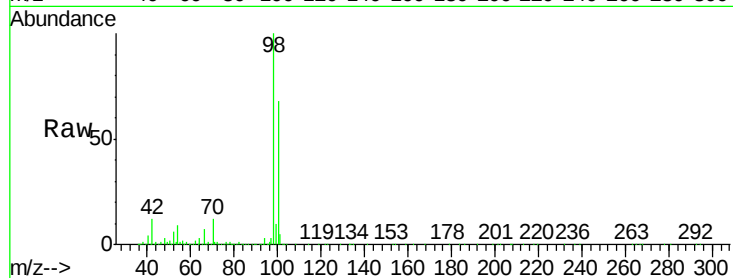
VSTDCCC050EC

Tot Ion: 98 Resp: 1795654

Ion Ratio Lower Upper

98 100

100 68.2 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 238.23 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF045416.D

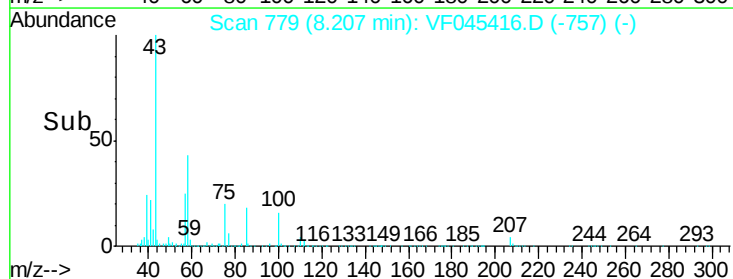
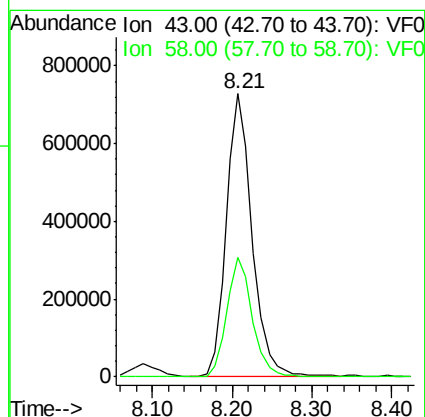
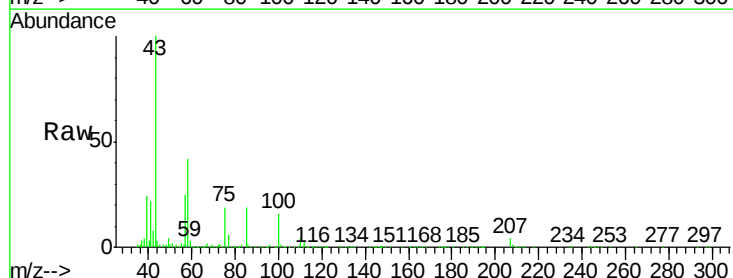
Acq: 17 Sep 2015 19:48

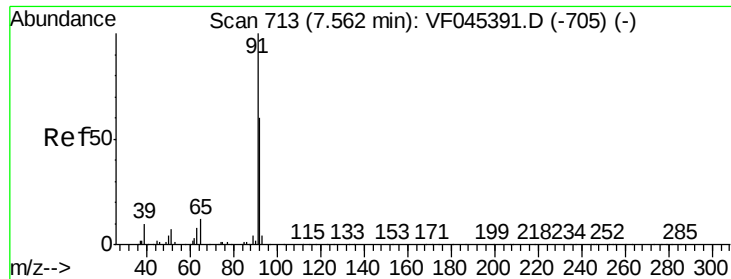
Tgt Ion: 43 Resp: 1651070

Ion Ratio Lower Upper

43 100

58 42.4 33.6 50.4





#51

Toluene

Concen: 47.28 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

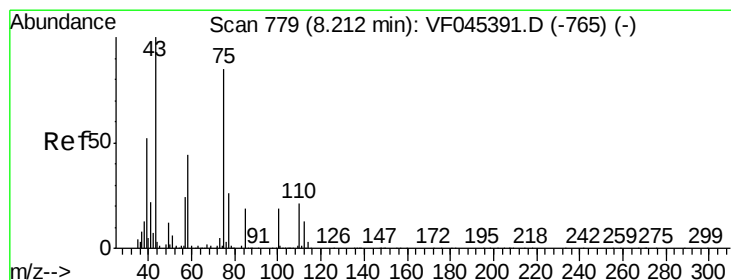
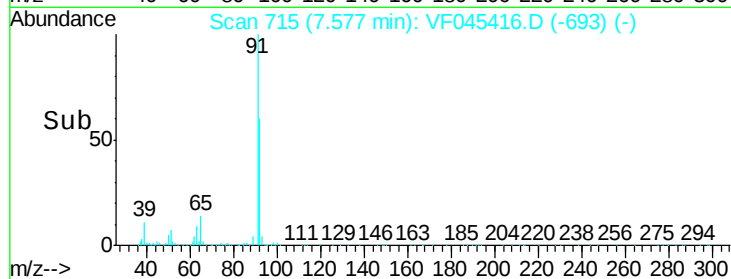
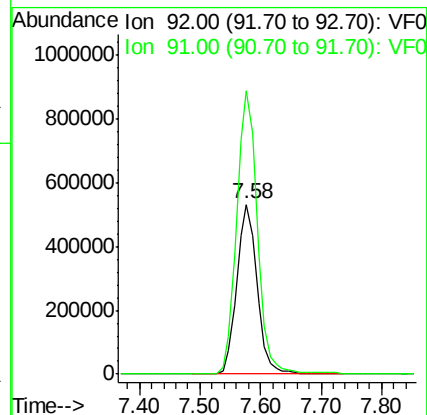
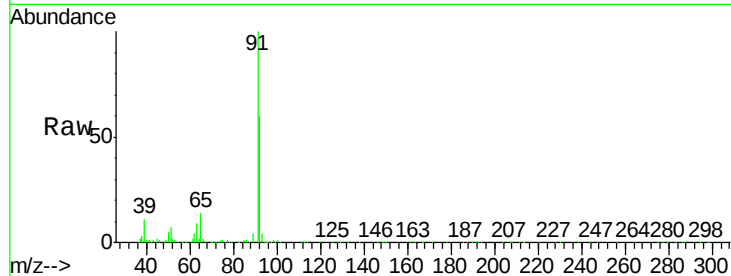
VSTDCCC050EC

Tot Ion: 92 Resp: 1245204

Ion Ratio Lower Upper

92 100

91 167.0 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 47.38 ug/l

RT: 8.23 min Scan# 781

Delta R.T. 0.02 min

Lab File: VF045416.D

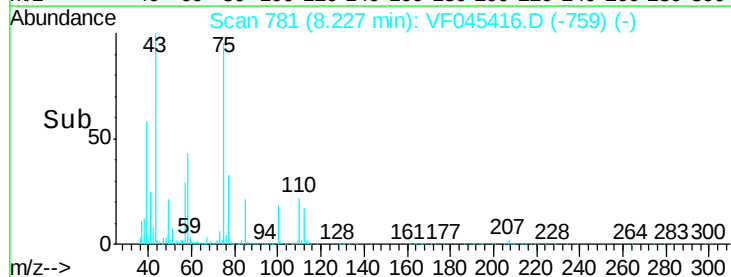
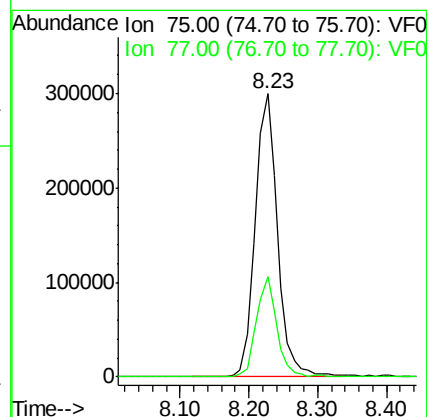
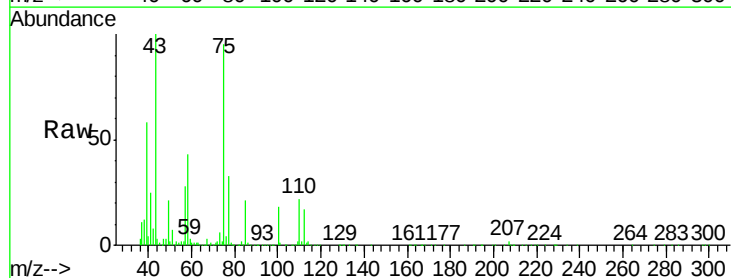
Acq: 17 Sep 2015 19:48

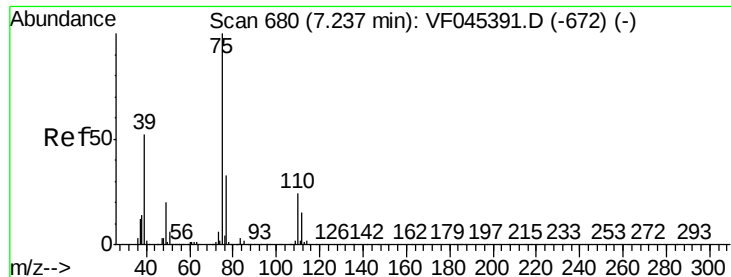
Tgt Ion: 75 Resp: 675823

Ion Ratio Lower Upper

75 100

77 35.3 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 47.37 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

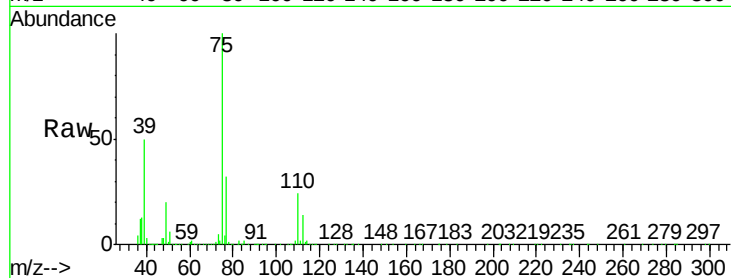
Tot Ion: 75 Resp: 797824

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

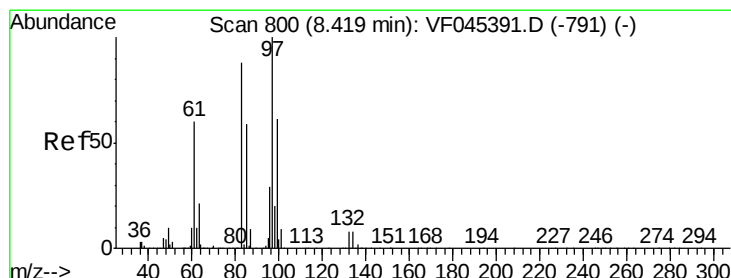
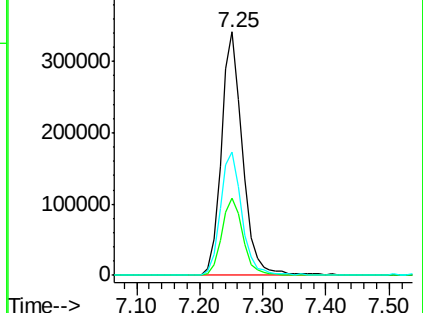
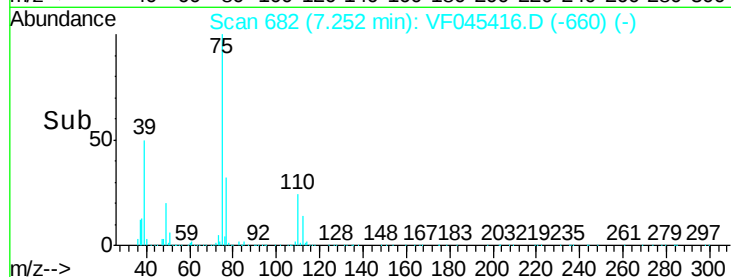
39 50.4 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#54

1,1,2-Trichloroethane

Concen: 46.95 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Tgt Ion: 97 Resp: 418211

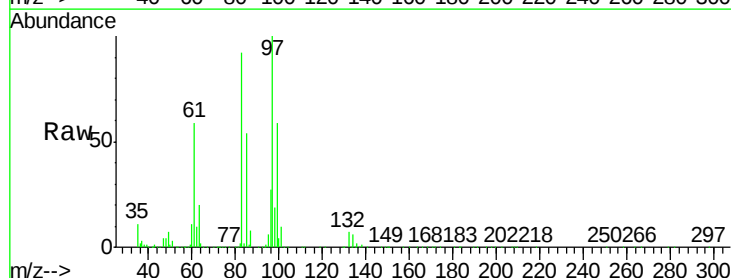
Ion Ratio Lower Upper

97 100

83 91.7 70.1 105.1

85 53.5 47.4 71.2

99 58.9 50.6 75.8

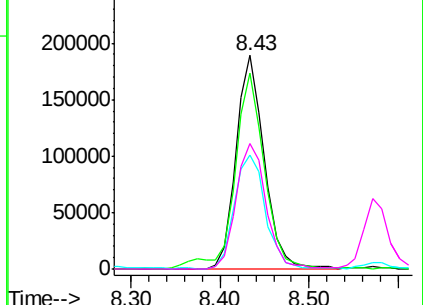
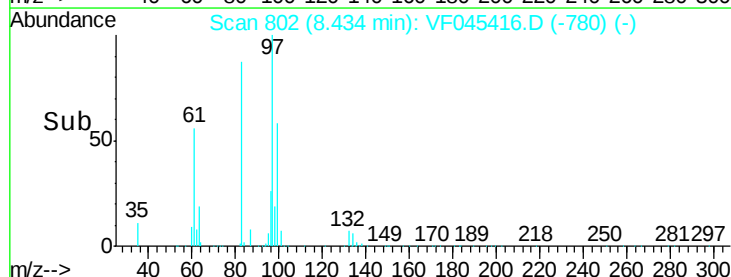


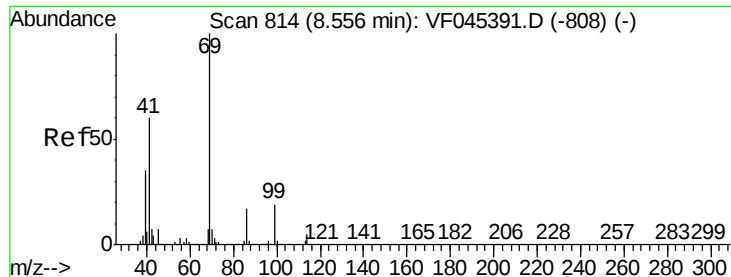
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#55

Ethyl methacrylate

Concen: 47.77 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

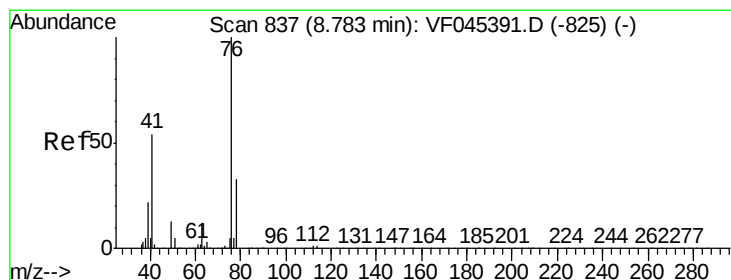
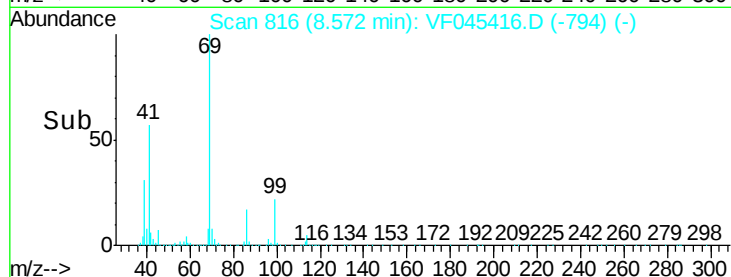
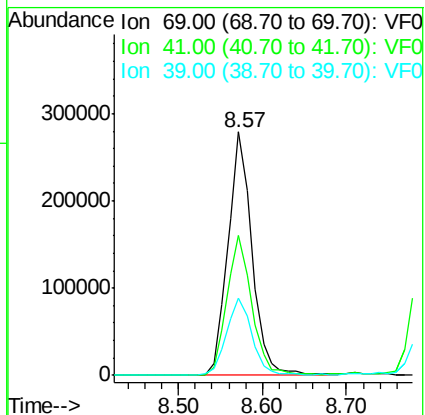
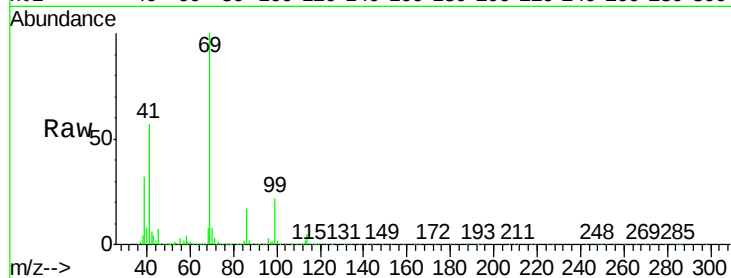
Tot Ion: 69 Resp: 553591

Ion Ratio Lower Upper

69 100

41 57.4 51.0 76.4

39 31.8 29.1 43.7



#56

1,3-Dichloropropane

Concen: 46.71 ug/l

RT: 8.80 min Scan# 839

Delta R.T. 0.02 min

Lab File: VF045416.D

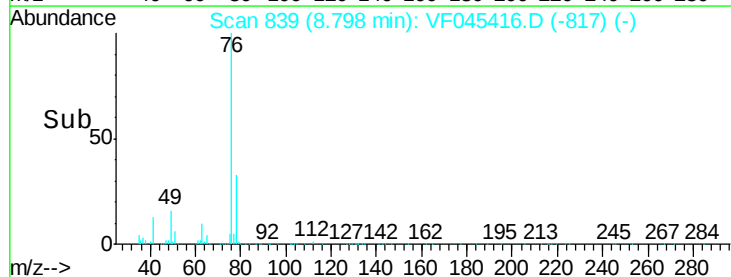
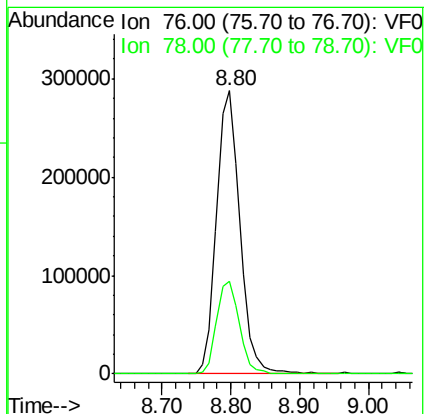
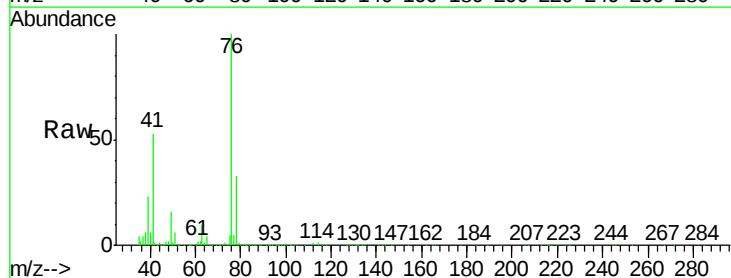
Acq: 17 Sep 2015 19:48

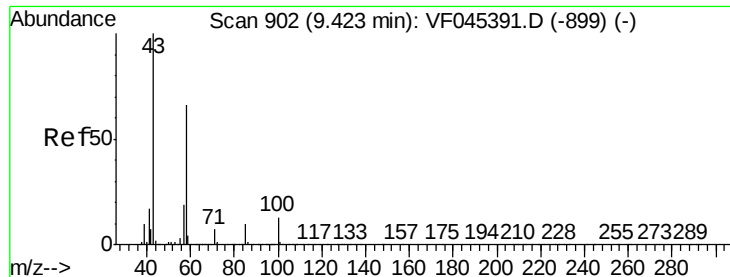
Tgt Ion: 76 Resp: 678767

Ion Ratio Lower Upper

76 100

78 32.9 26.1 39.1

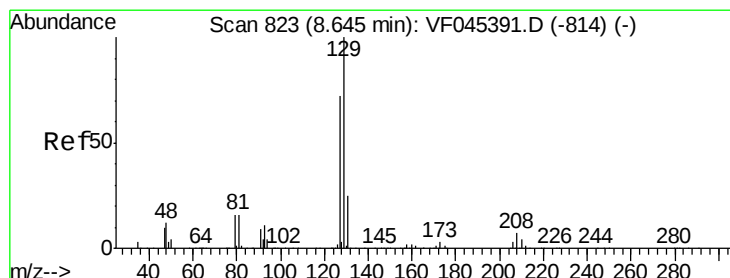
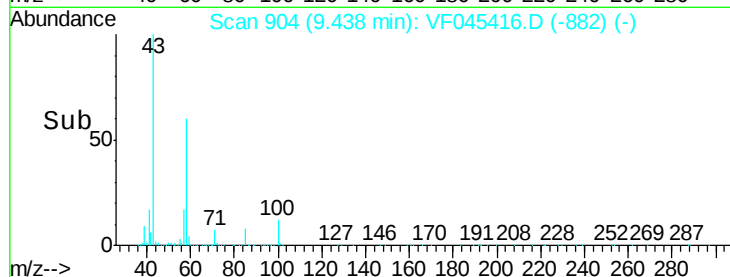
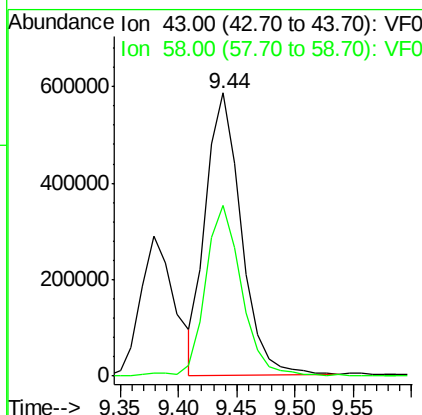
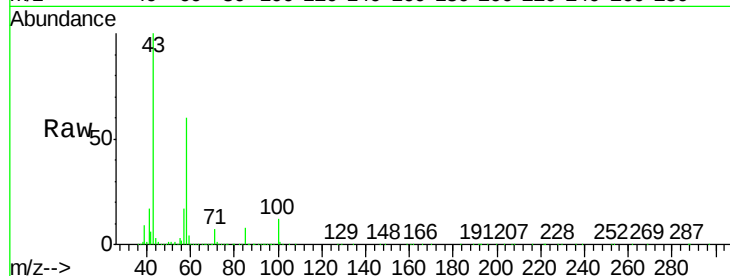




#58
2-Hexanone
Concen: 223.71 ug/l
RT: 9.44 min Scan# 904
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

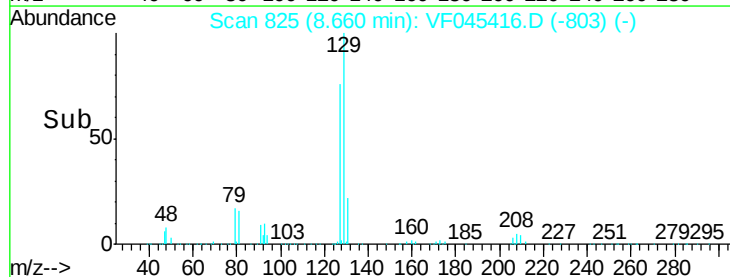
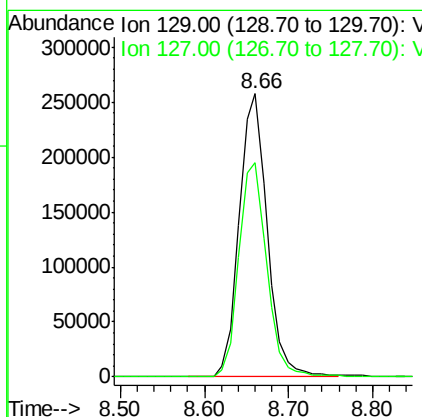
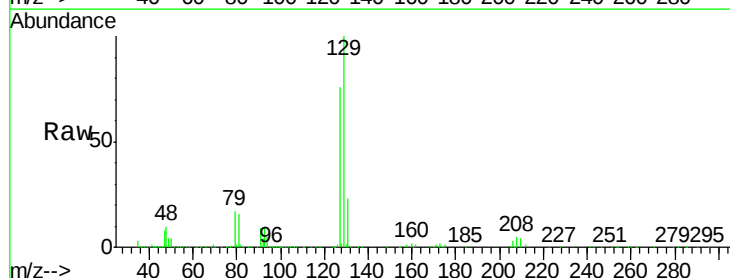
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

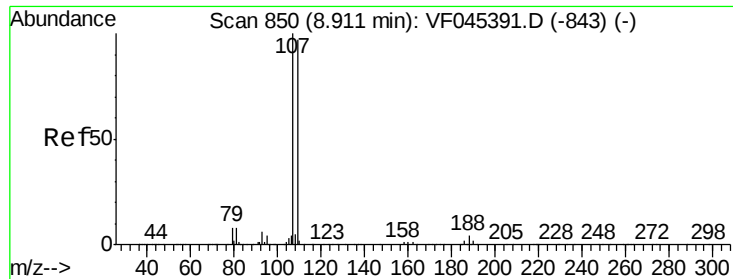
Tot Ion: 43 Resp: 1234057
Ion Ratio Lower Upper
43 100
58 60.3 28.8 86.5



#59
Dibromochloromethane
Concen: 47.28 ug/l
RT: 8.66 min Scan# 825
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion: 129 Resp: 596875
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6





#60

1,2-Dibromoethane

Concen: 50.06 ug/l

RT: 8.93 min Scan# 852

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

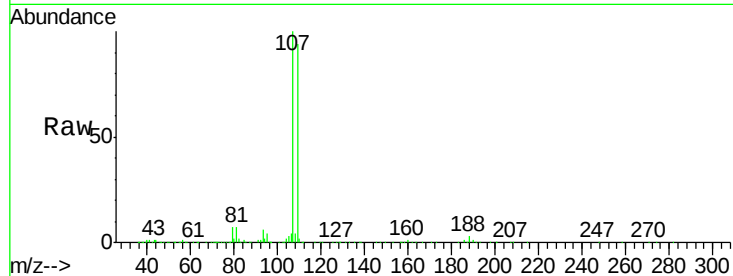
VSTDCCC050EC

Tot Ion:107 Resp: 506017

Ion Ratio Lower Upper

107 100

109 94.3 79.4 119.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.93

250000

200000

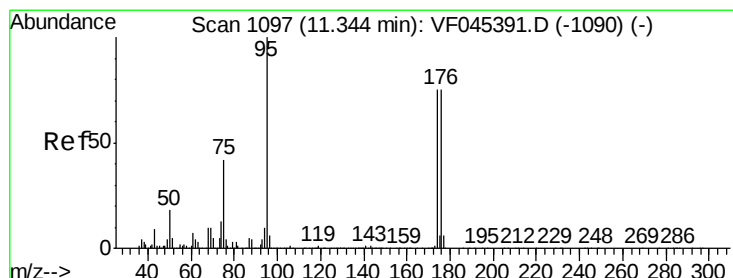
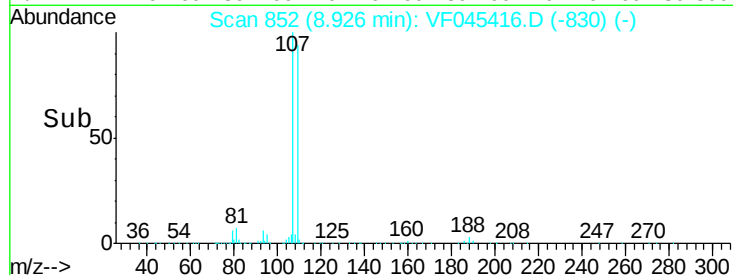
150000

100000

50000

0

Time-->



#61

4-Bromofluorobenzene

Concen: 47.17 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

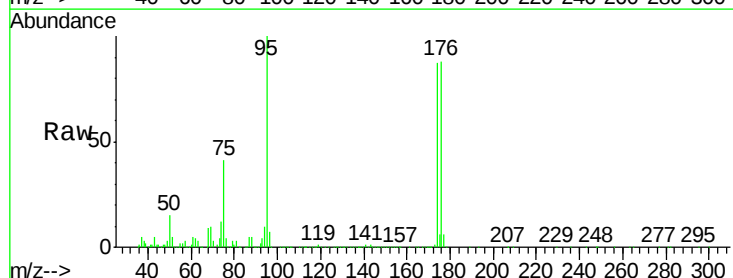
Tgt Ion: 95 Resp: 797426

Ion Ratio Lower Upper

95 100

174 86.9 0.0 177.8

176 88.1 0.0 176.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.36

600000

500000

400000

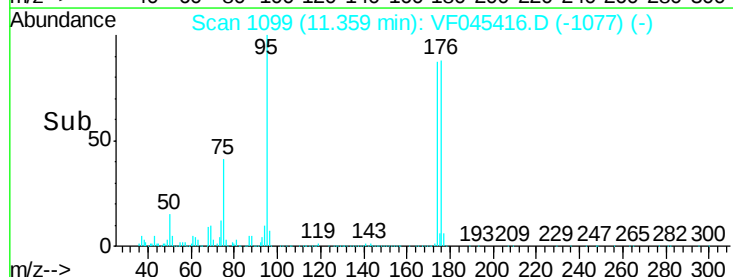
300000

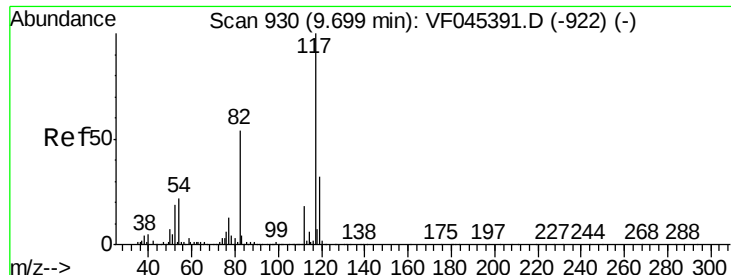
200000

100000

0

Time-->





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 932

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

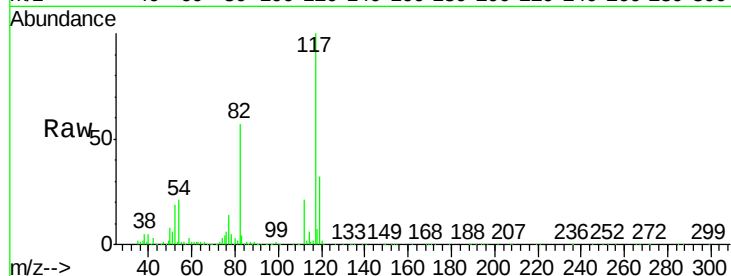
Tot Ion:117 Resp: 1390762

Ion Ratio Lower Upper

117 100

82 56.6 45.0 67.6

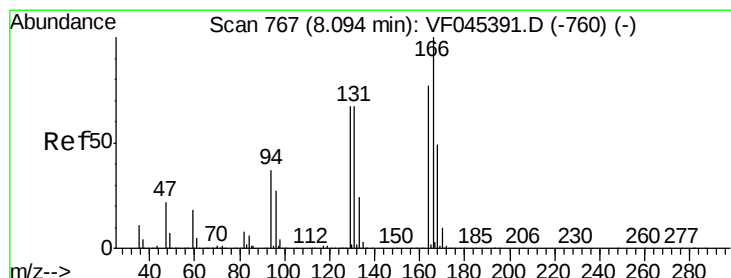
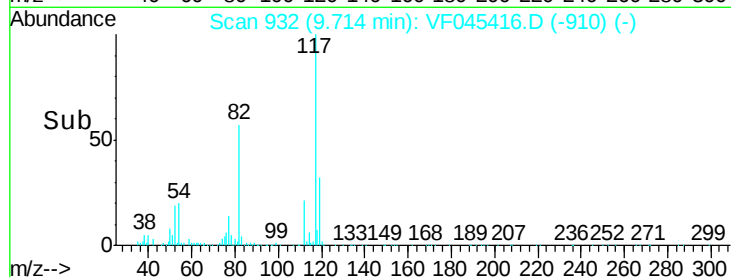
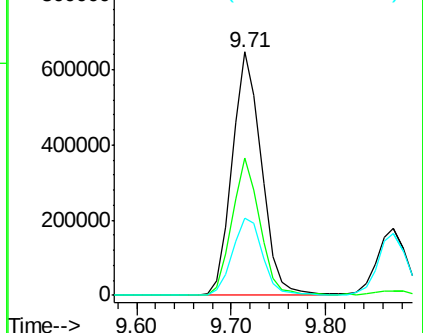
119 31.8 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 50.57 ug/l

RT: 8.11 min Scan# 769

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Tgt Ion:164 Resp: 558767

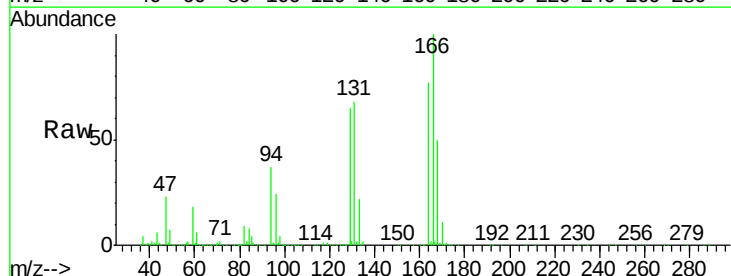
Ion Ratio Lower Upper

164 100

166 129.7 106.0 159.0

129 84.4 69.8 104.6

131 87.8 68.2 102.4

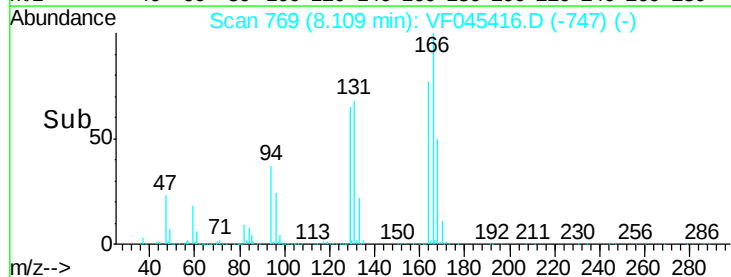
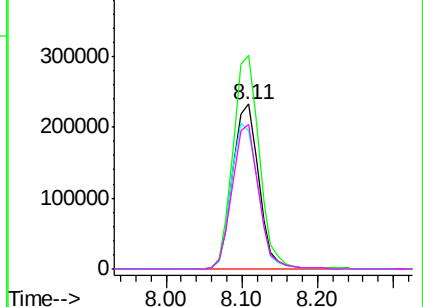


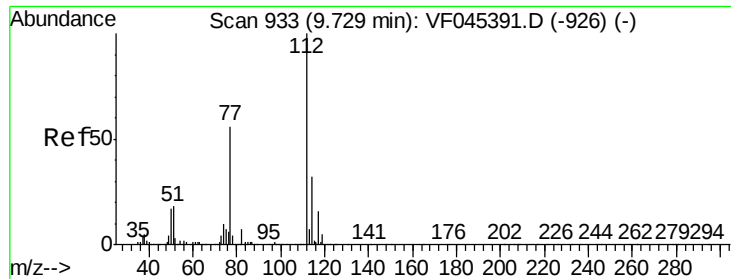
Abundance Ion 163.85 (163.55 to 164.55): V

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

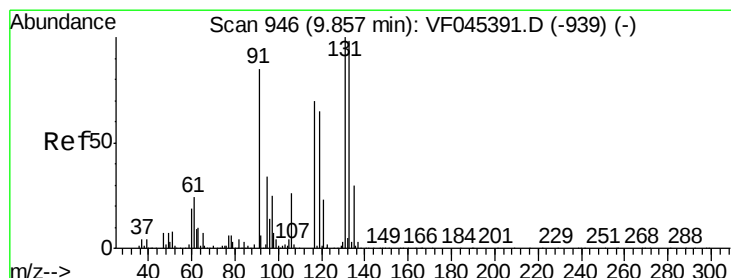
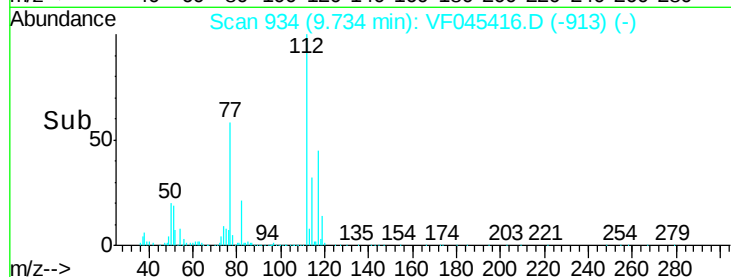
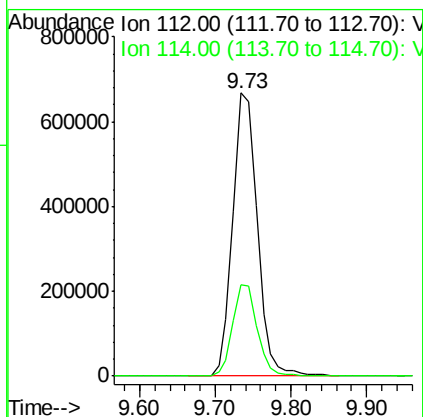
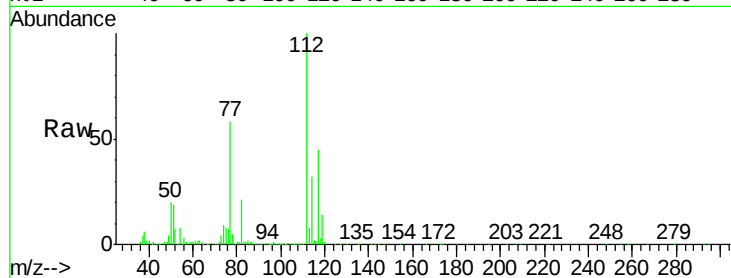




#64
Chlorobenzene
Concen: 51.49 ug/l
RT: 9.73 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

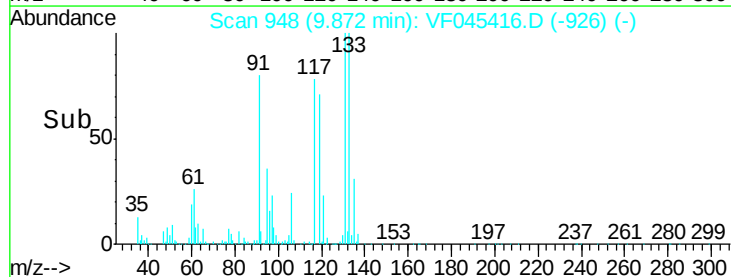
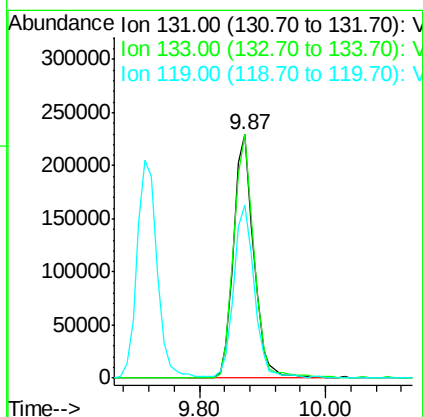
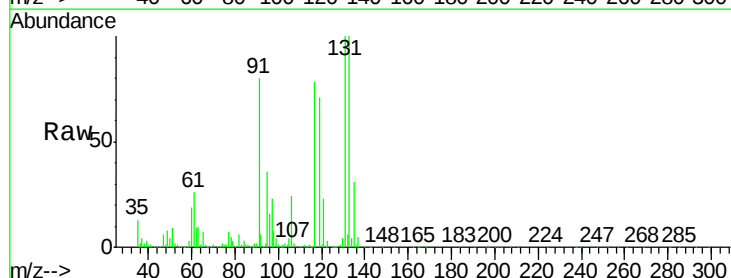
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

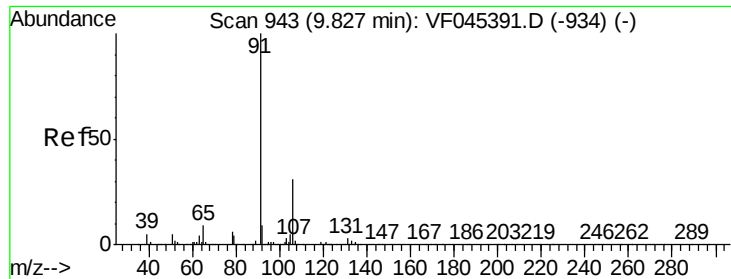
Tot Ion:112 Resp: 1502294
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 47.27 ug/l
RT: 9.87 min Scan# 948
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion:131 Resp: 504189
Ion Ratio Lower Upper
131 100
133 99.9 48.1 144.4
119 71.0 34.8 104.5





#66

Ethyl Benzene

Concen: 48.54 ug/l

RT: 9.84 min Scan# 945

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

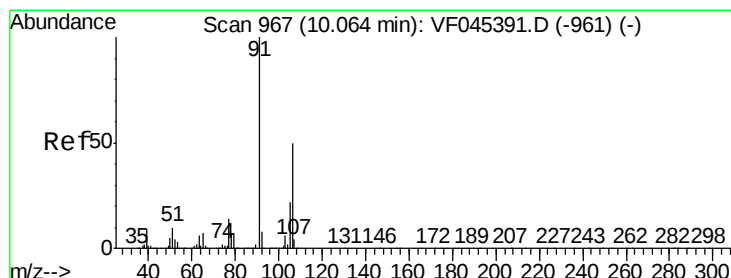
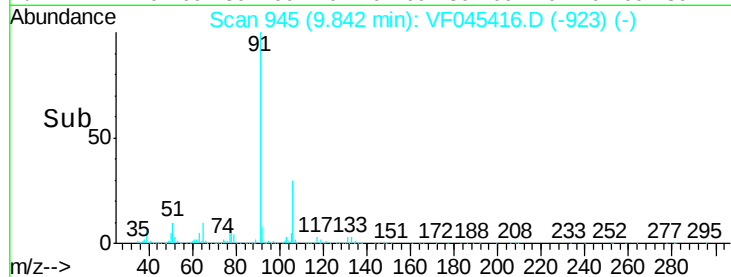
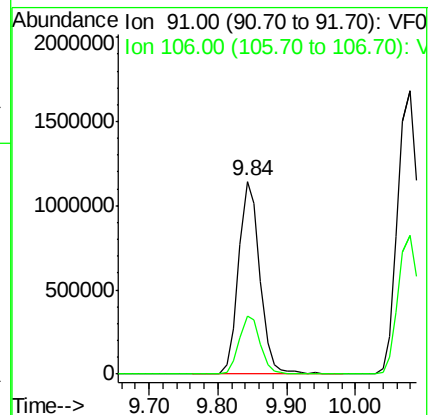
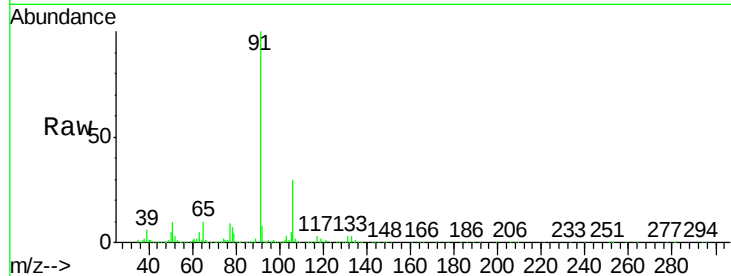
VSTDCCC050EC

Tot Ion: 91 Resp: 2454175

Ion Ratio Lower Upper

91 100

106 30.2 23.6 35.4



#67

m/p-Xylenes

Concen: 97.93 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.02 min

Lab File: VF045416.D

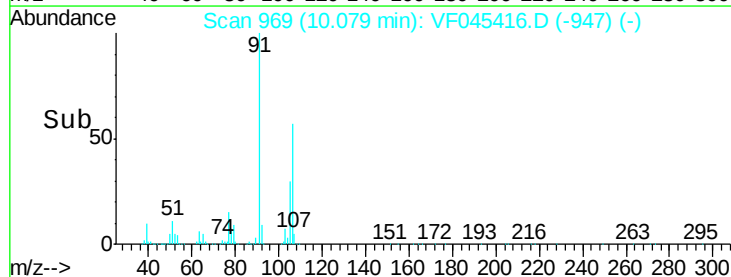
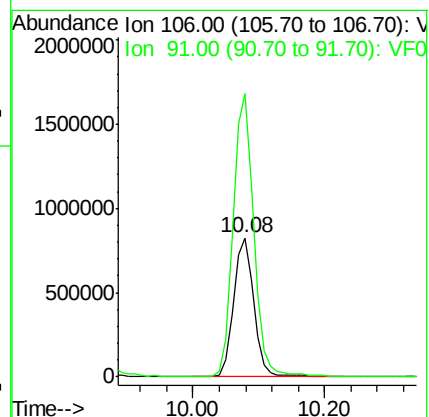
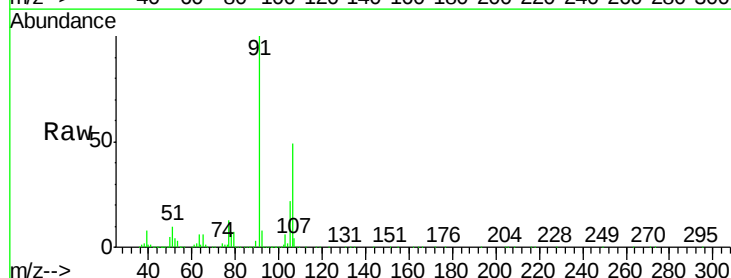
Acq: 17 Sep 2015 19:48

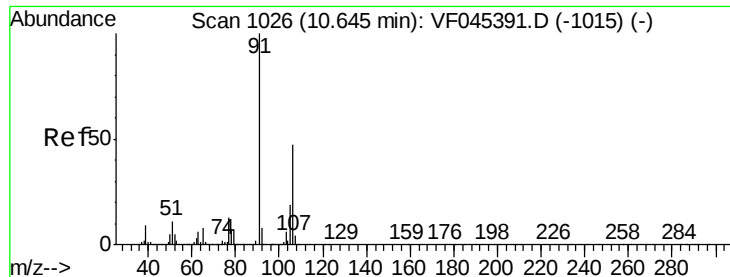
Tgt Ion:106 Resp: 1774573

Ion Ratio Lower Upper

106 100

91 203.9 166.1 249.1

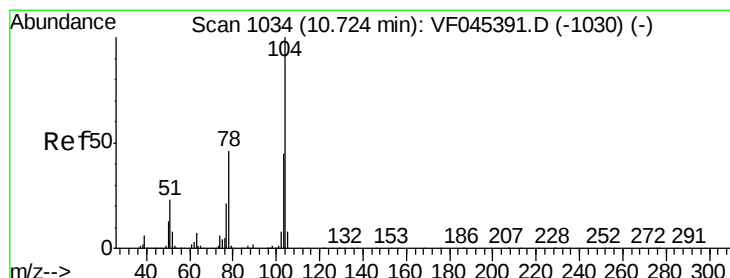
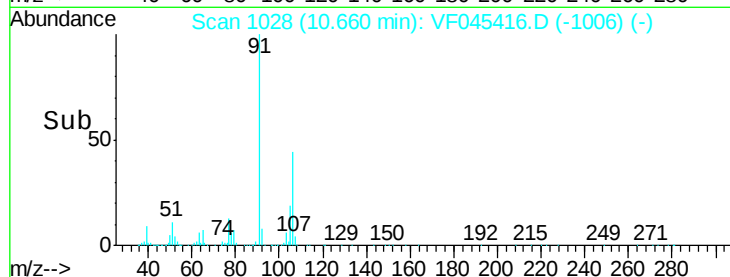
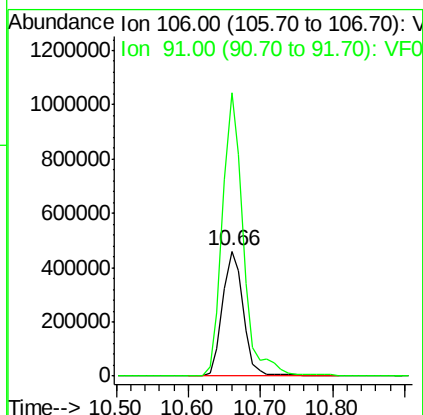
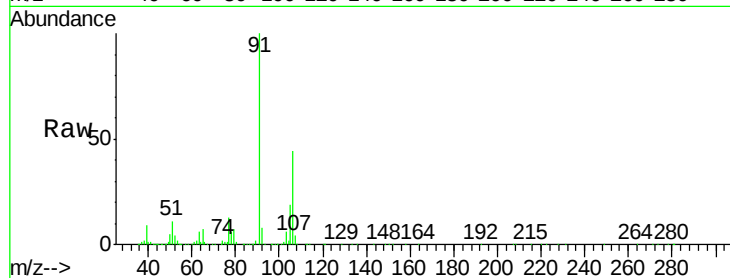




#68
o-Xylene
Concen: 48.90 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

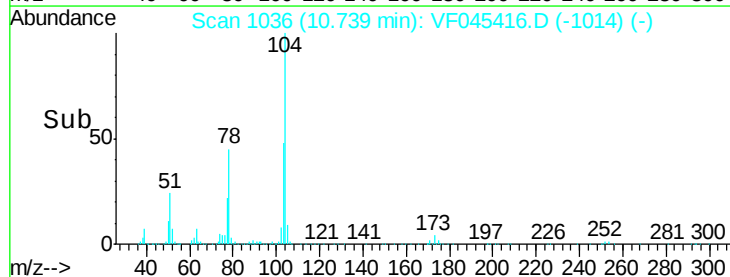
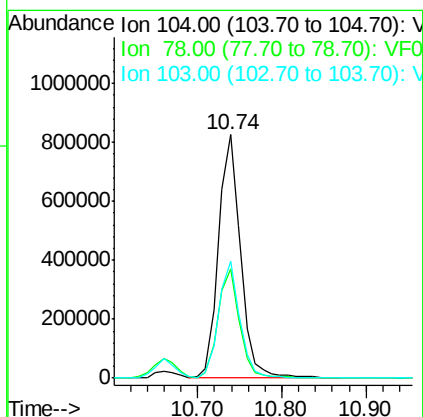
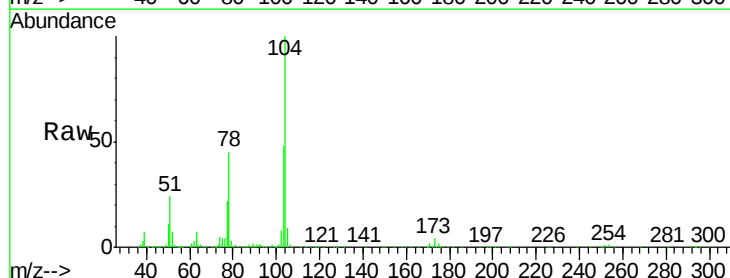
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

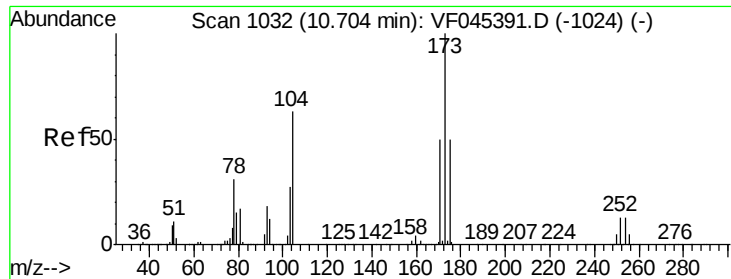
Tot Ion:106 Resp: 919772
Ion Ratio Lower Upper
106 100
91 226.5 108.1 324.2



#69
Styrene
Concen: 49.60 ug/l
RT: 10.74 min Scan# 1036
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion:104 Resp: 1489254
Ion Ratio Lower Upper
104 100
78 44.8 34.2 51.4
103 48.1 36.7 55.1





#70

Bromoform

Concen: 50.08 ug/l

RT: 10.72 min Scan# 1034

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

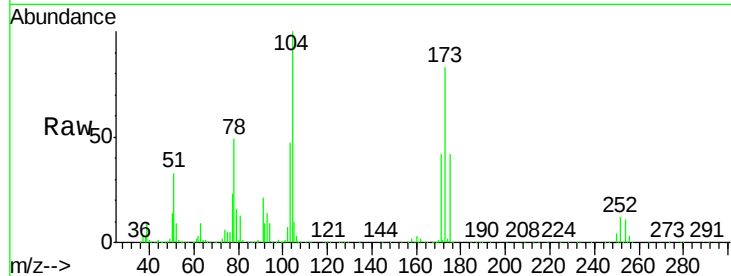
Tot Ion:173 Resp: 396352

Ion Ratio Lower Upper

173 100

175 51.5 25.7 77.0

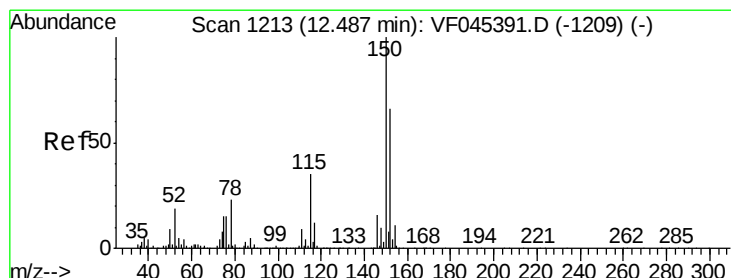
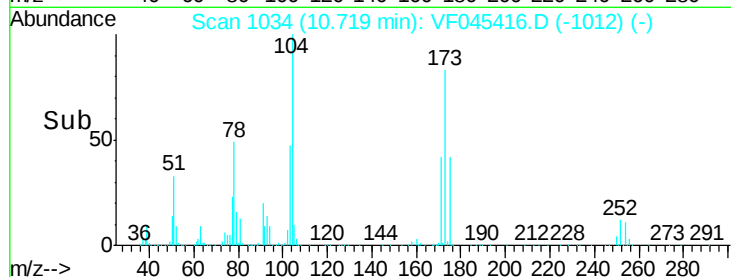
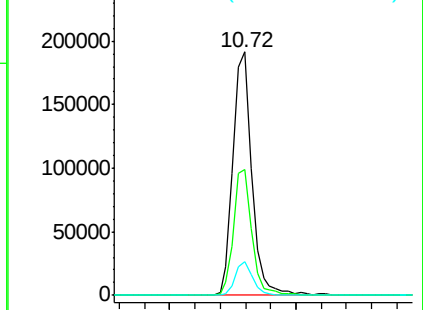
254 13.7 9.8 14.6



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: 12.50 min Scan# 1215

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

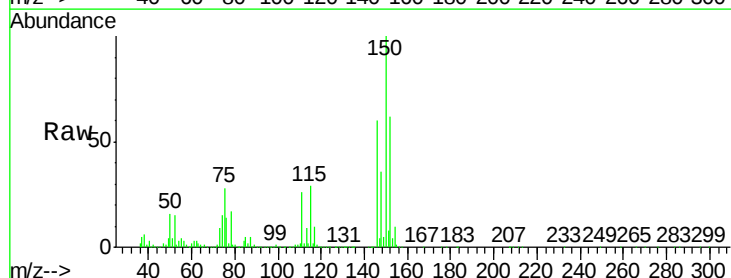
Tgt Ion:152 Resp: 754117

Ion Ratio Lower Upper

152 100

115 47.7 28.3 85.0

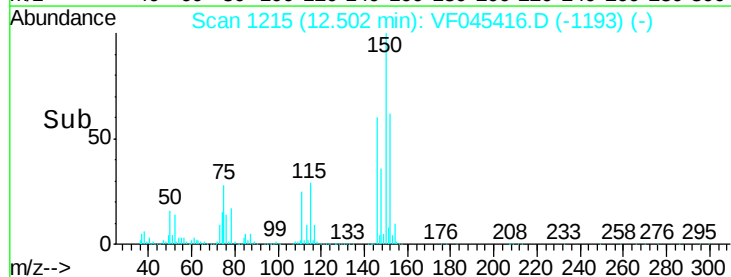
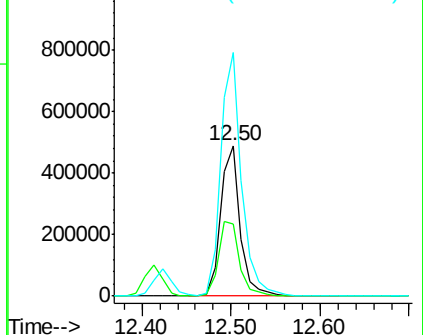
150 161.6 0.0 324.2

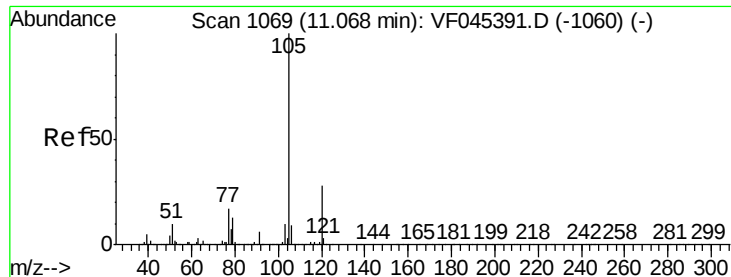


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 50.76 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

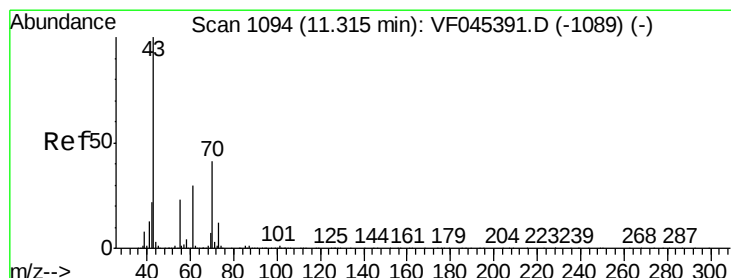
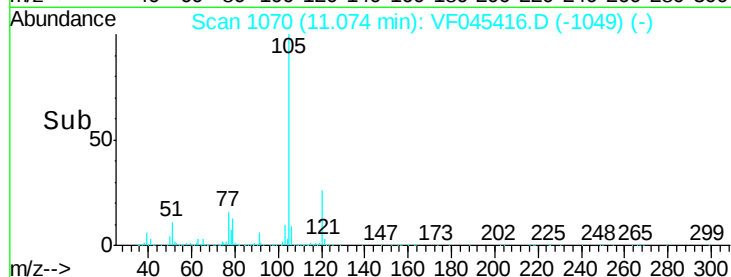
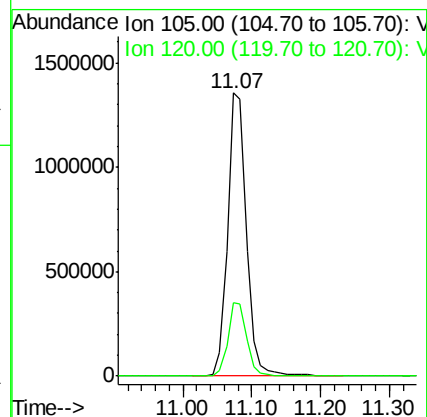
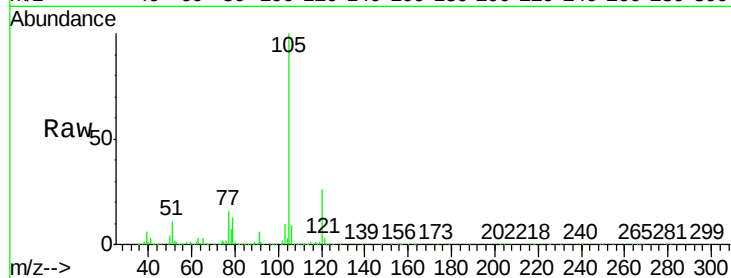
VSTDCCC050EC

Tot Ion:105 Resp: 2564629

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#73

N-ethyl acetate

Concen: 49.27 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Tgt Ion: 43 Resp: 689945

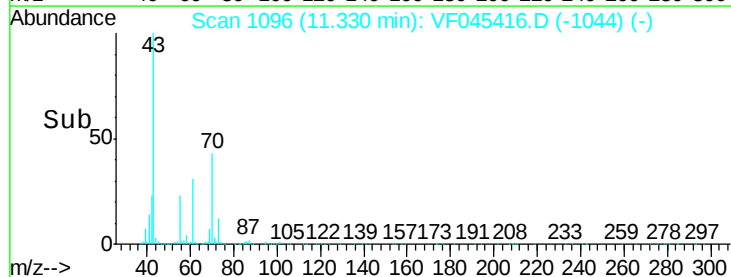
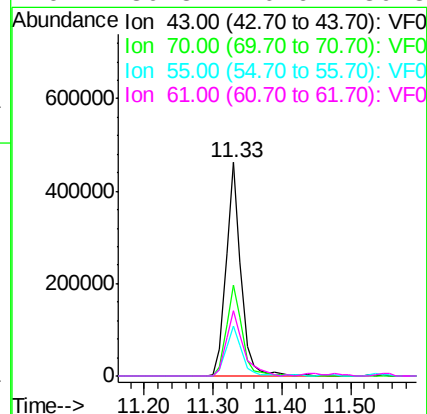
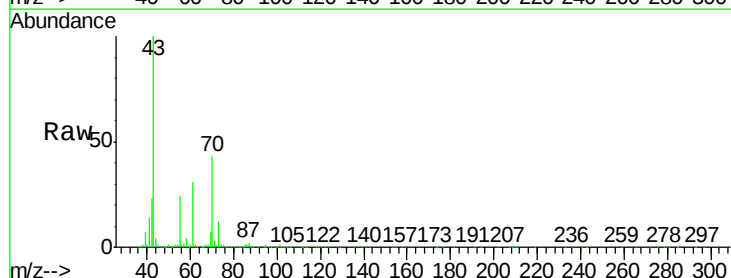
Ion Ratio Lower Upper

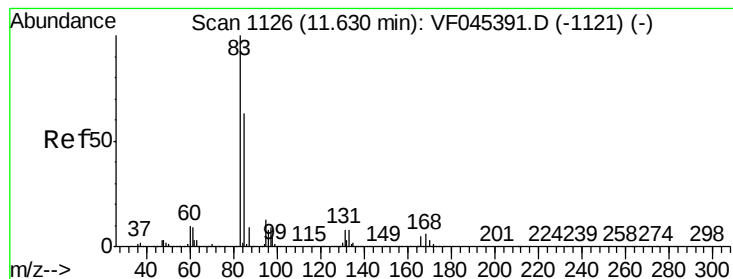
43 100

70 42.8 30.0 45.0

55 23.5 16.8 25.2

61 30.8 20.6 30.8





#74

1,1,2,2-Tetrachloroethane

Concen: 51.67 ug/l

RT: 11.64 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

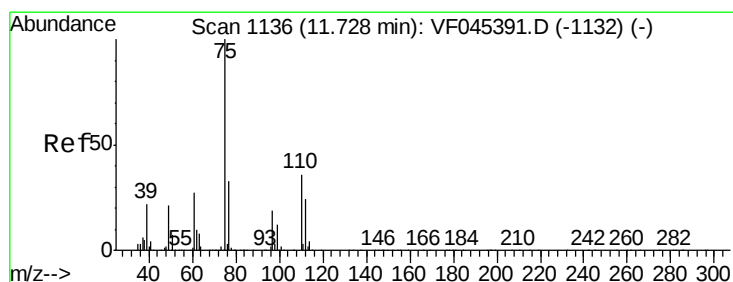
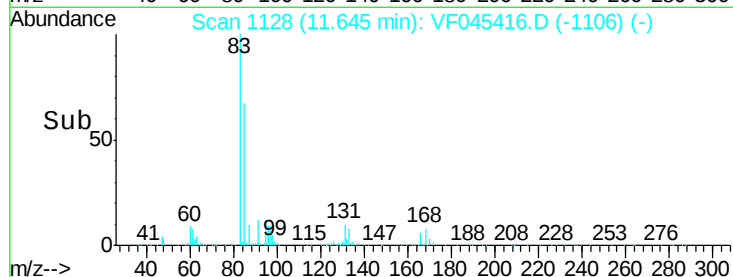
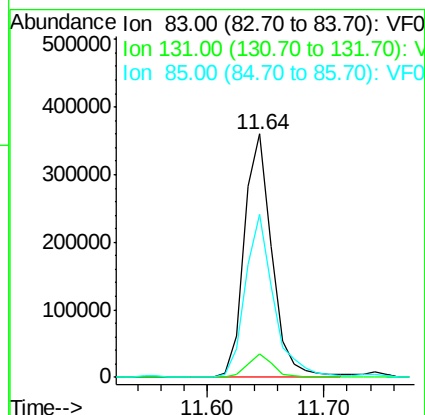
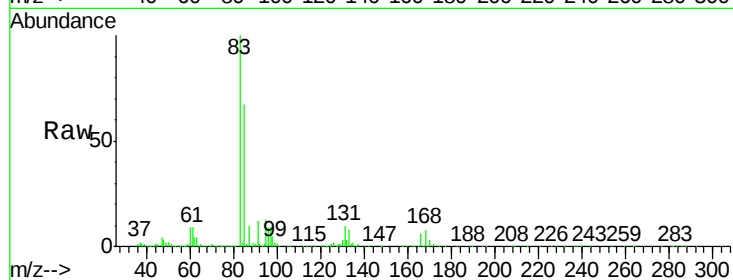
Tot Ion: 83 Resp: 591700

Ion Ratio Lower Upper

83 100

131 9.9 4.2 12.6

85 66.9 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 52.88 ug/l

RT: 11.74 min Scan# 1138

Delta R.T. 0.02 min

Lab File: VF045416.D

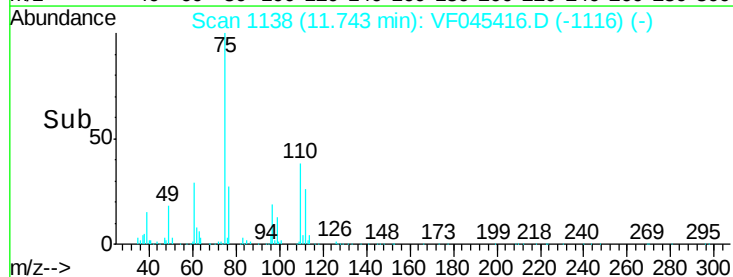
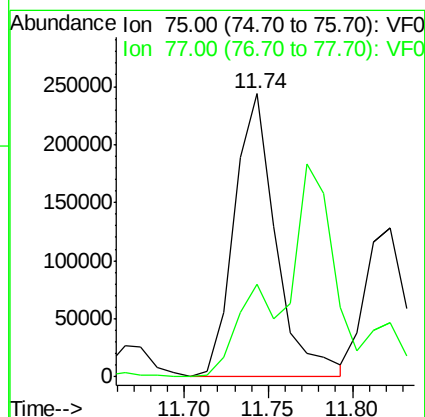
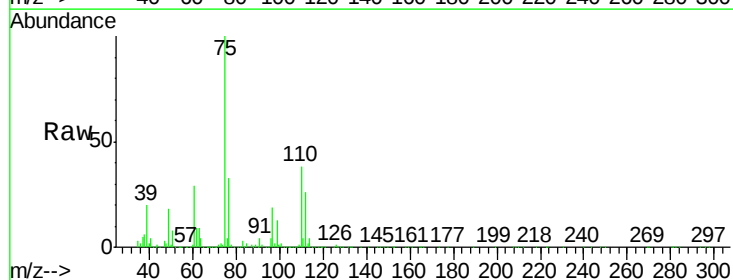
Acq: 17 Sep 2015 19:48

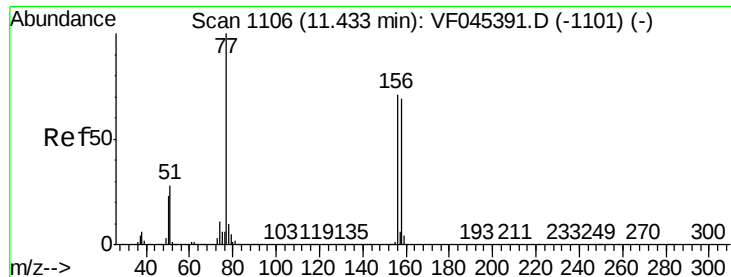
Tgt Ion: 75 Resp: 416412

Ion Ratio Lower Upper

75 100

77 32.6 15.0 45.1





#76

Bromobenzene

Concen: 52.17 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

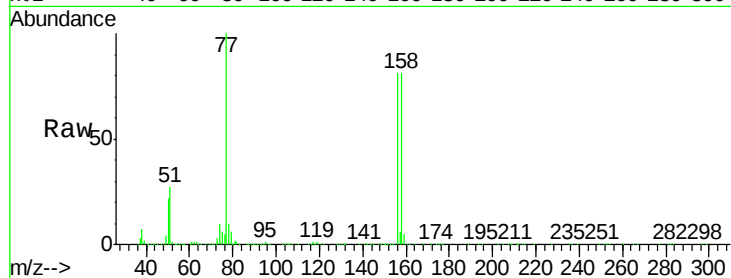
Tot Ion:156 Resp: 747593

Ion Ratio Lower Upper

156 100

77 124.1 74.8 224.3

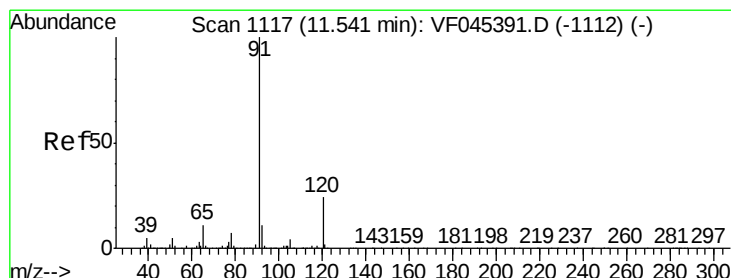
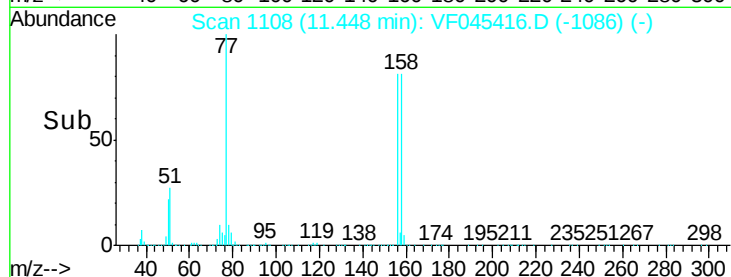
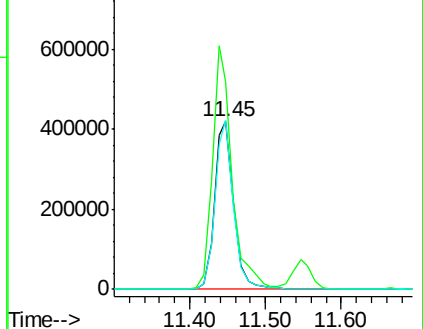
158 100.7 49.5 148.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#77

n-propylbenzene

Concen: 52.11 ug/l

RT: 11.55 min Scan# 1118

Delta R.T. 0.01 min

Lab File: VF045416.D

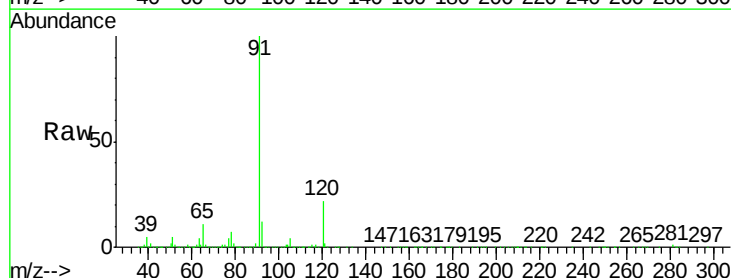
Acq: 17 Sep 2015 19:48

Tgt Ion: 91 Resp: 3268197

Ion Ratio Lower Upper

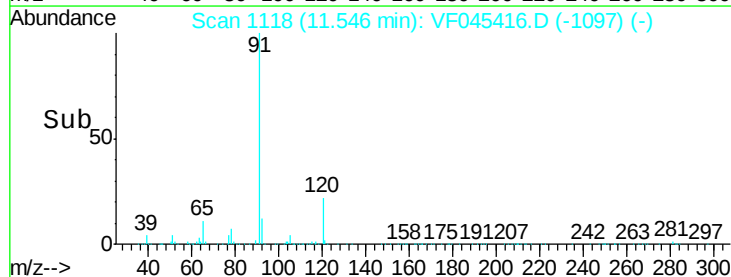
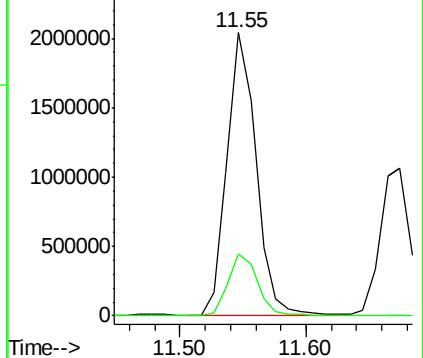
91 100

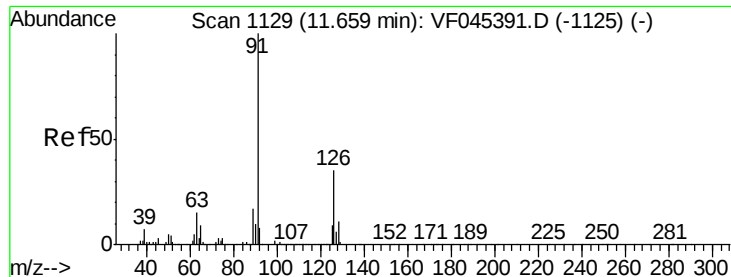
120 21.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#78

2-Chlorotoluene

Concen: 50.79 ug/l

RT: 11.67 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

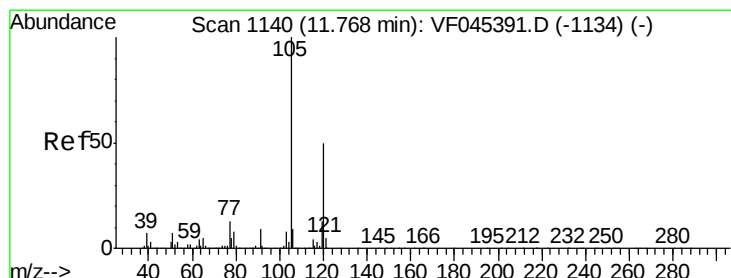
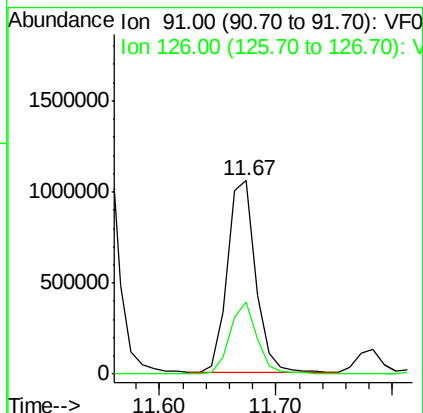
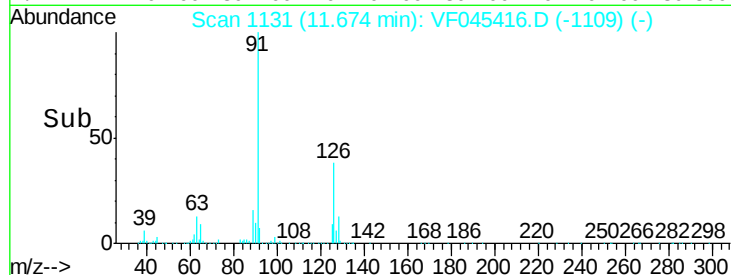
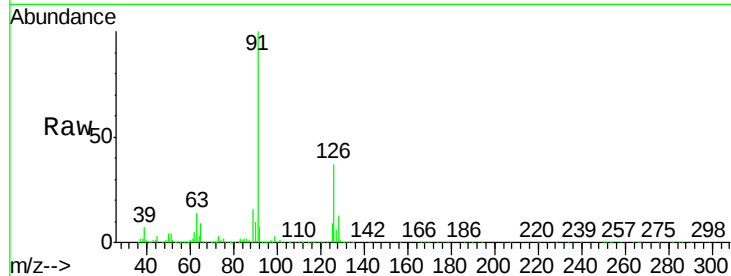
VSTDCCC050EC

Tot Ion: 91 Resp: 1781899

Ion Ratio Lower Upper

91 100

126 37.5 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 51.39 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF045416.D

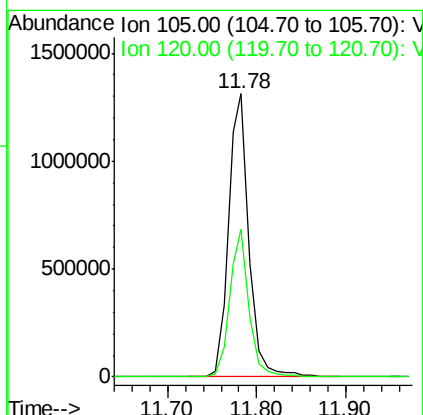
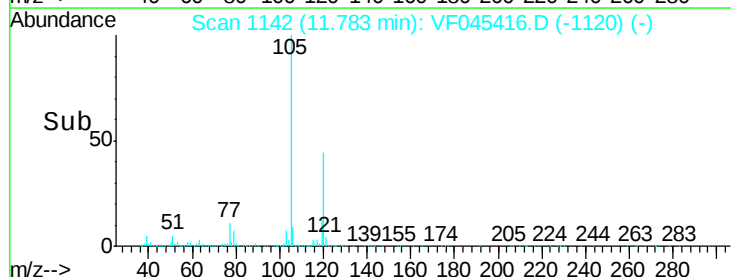
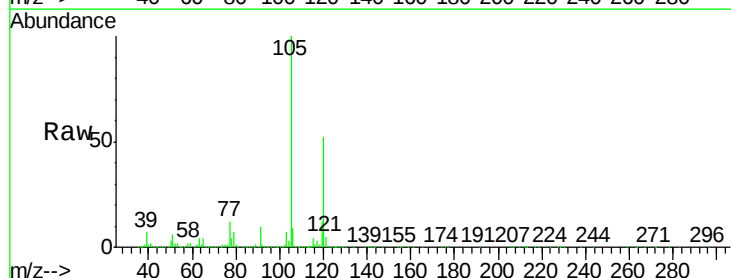
Acq: 17 Sep 2015 19:48

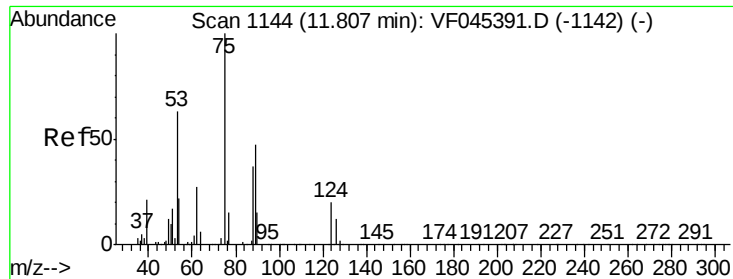
Tgt Ion: 105 Resp: 2116002

Ion Ratio Lower Upper

105 100

120 52.0 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 63.76 ug/l

RT: 11.82 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

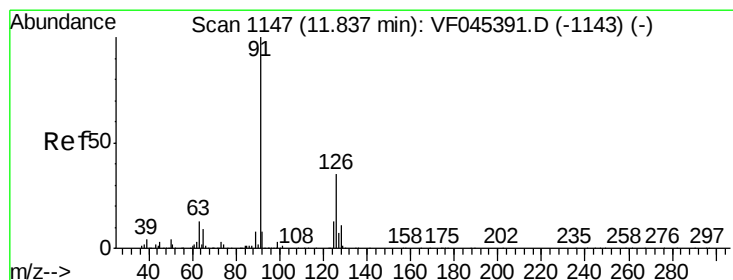
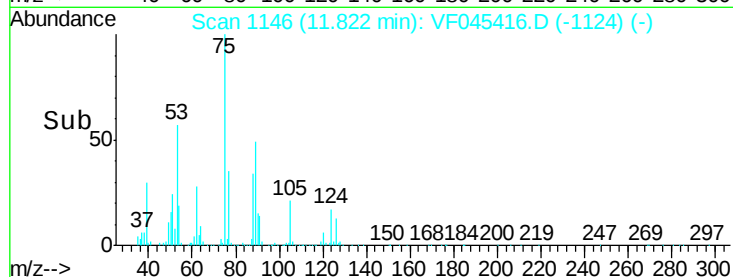
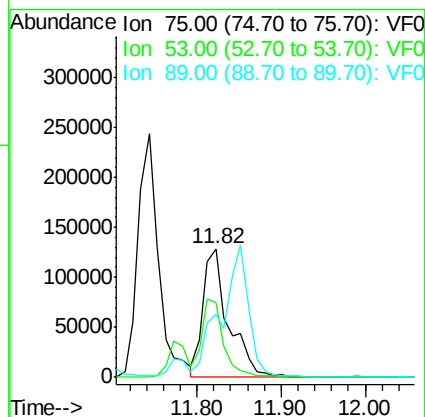
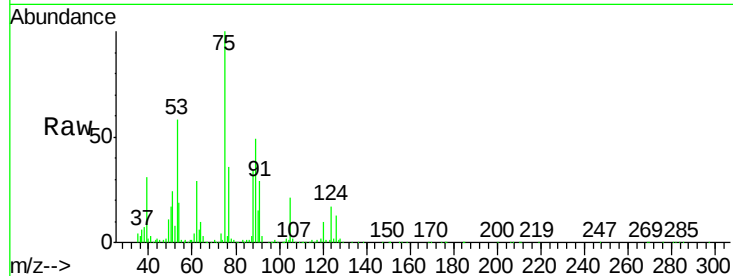
Tot Ion: 75 Resp: 268931

Ion Ratio Lower Upper

75 100

53 57.7 51.0 76.6

89 49.4 38.6 57.8



#81

4-Chlorotoluene

Concen: 51.31 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.02 min

Lab File: VF045416.D

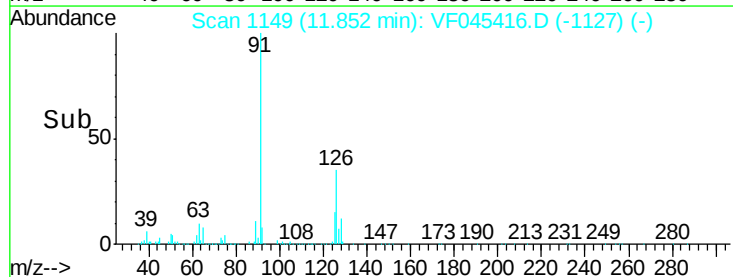
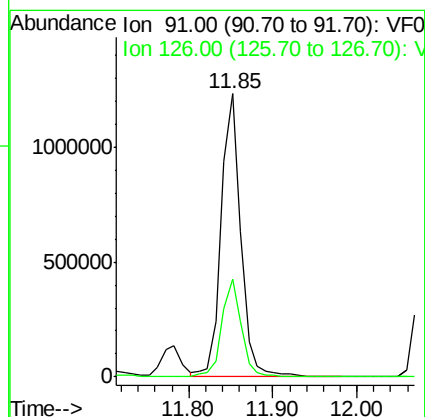
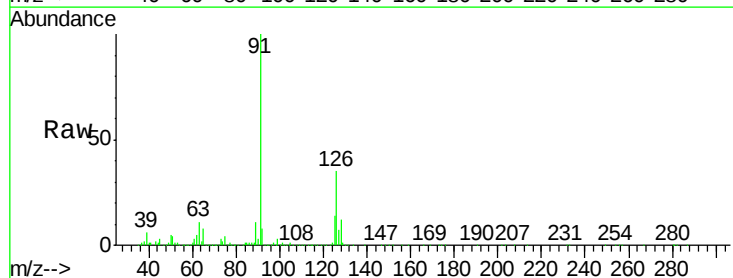
Acq: 17 Sep 2015 19:48

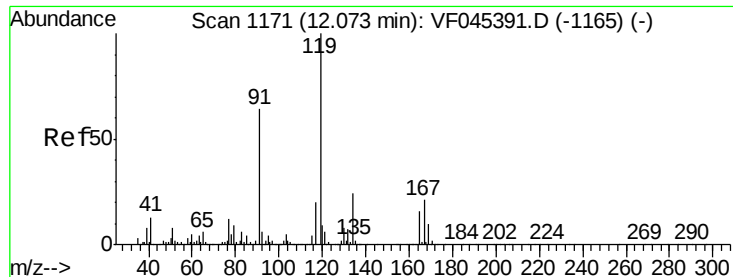
Tgt Ion: 91 Resp: 1989882

Ion Ratio Lower Upper

91 100

126 34.7 15.8 47.4





#82

tert-Butylbenzene

Concen: 50.30 ug/l

RT: 12.09 min Scan# 1173

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

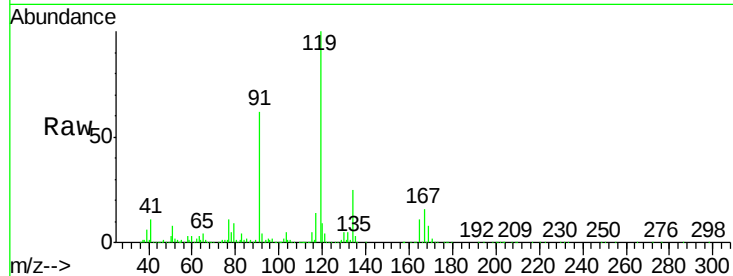
Tot Ion:119 Resp: 2048163

Ion Ratio Lower Upper

119 100

91 61.7 31.1 93.2

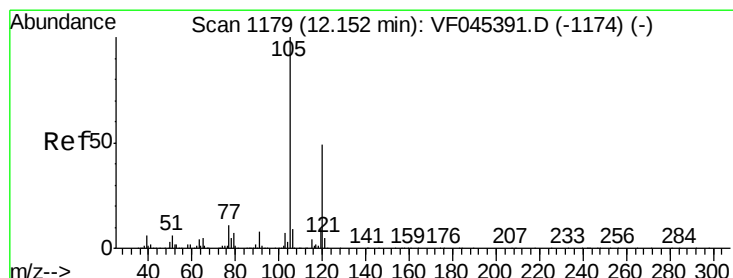
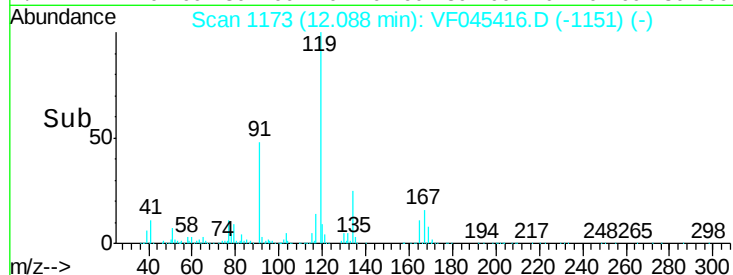
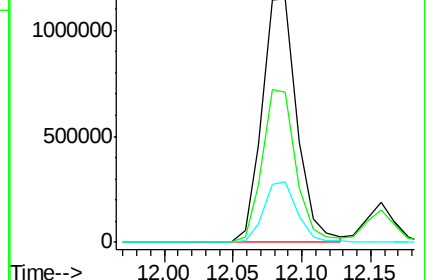
134 24.8 12.2 36.6



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: 48.74 ug/l

RT: 12.16 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VF045416.D

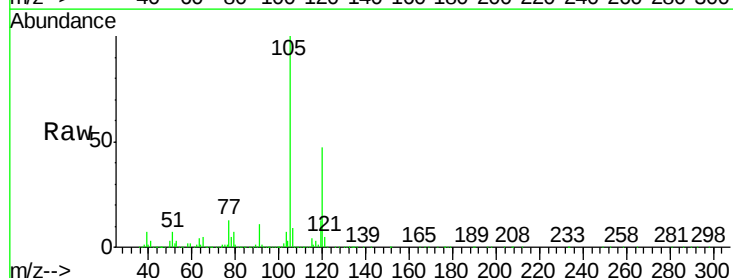
Acq: 17 Sep 2015 19:48

Tgt Ion:105 Resp: 2057637

Ion Ratio Lower Upper

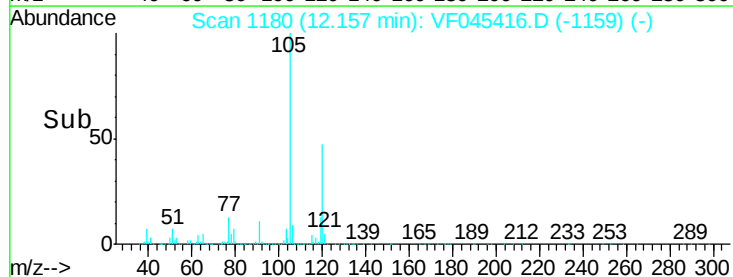
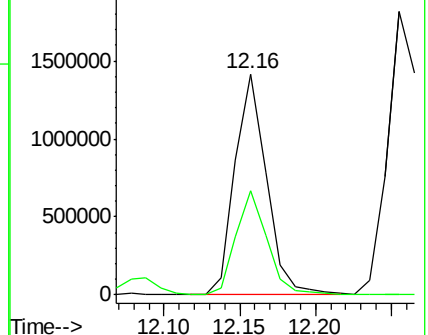
105 100

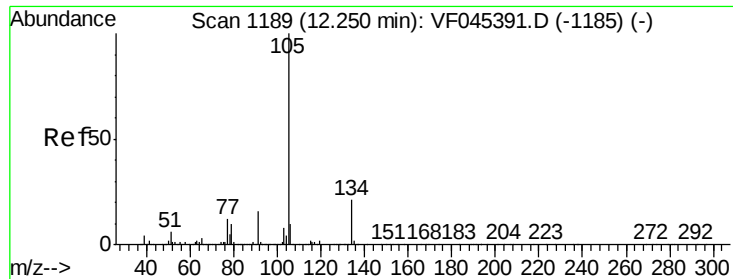
120 47.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

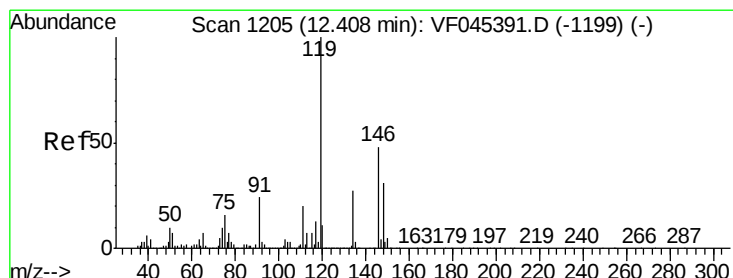
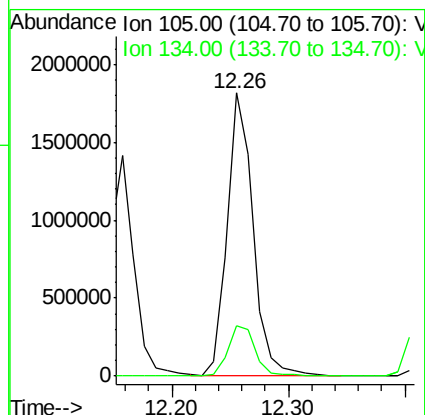
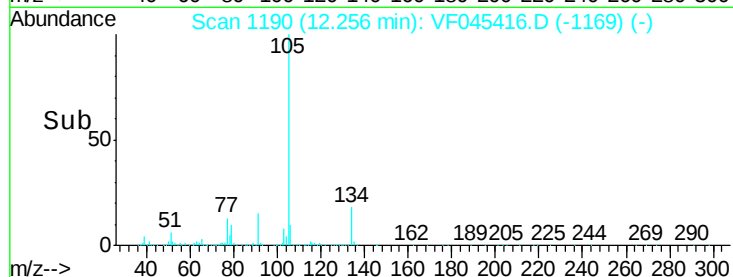
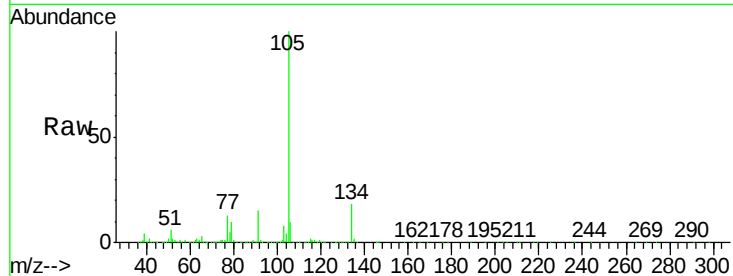




#84
 sec-Butylbenzene
 Concen: 49.33 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

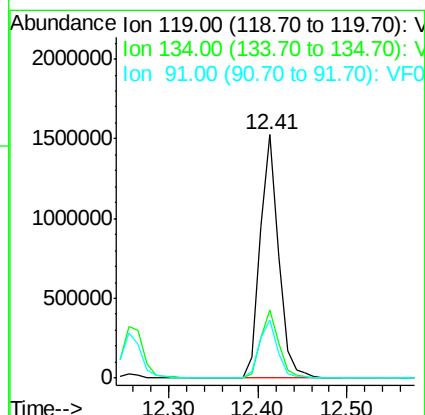
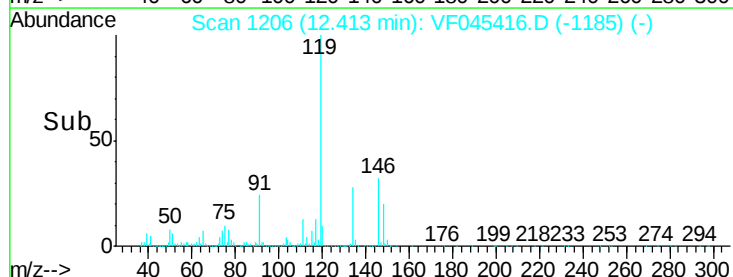
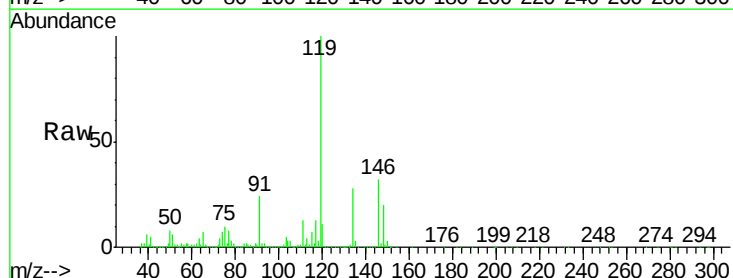
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

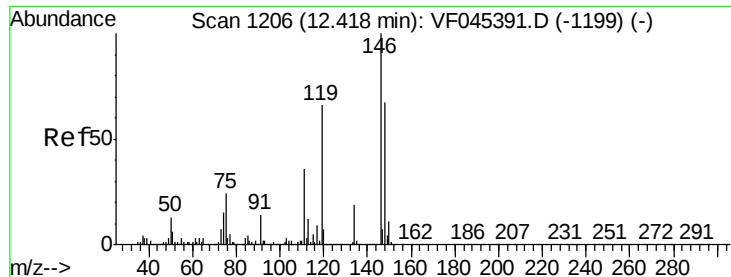
Tot Ion:105 Resp: 2792661
 Ion Ratio Lower Upper
 105 100
 134 17.7 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 48.92 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

Tgt Ion:119 Resp: 2156035
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.0 38.9
 91 24.1 12.2 36.6

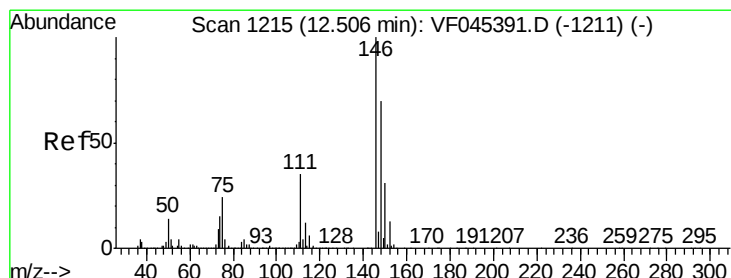
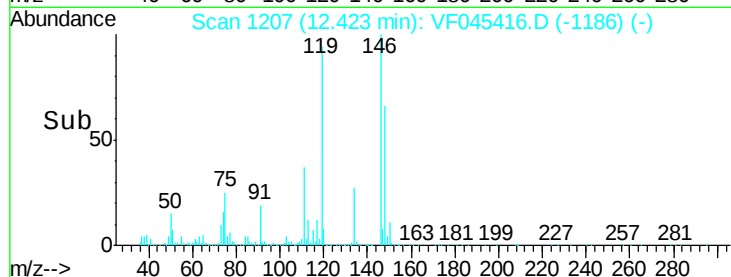
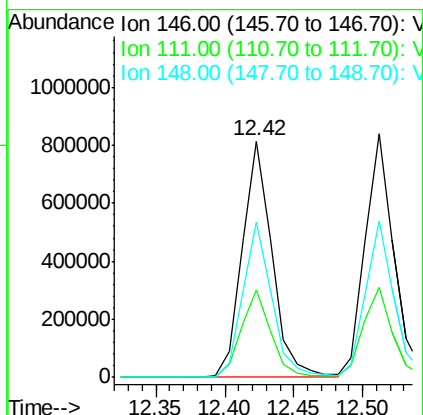
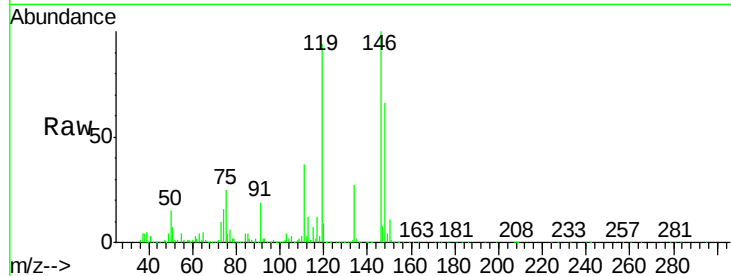




#86
 1,3-Dichlorobenzene
 Concen: 50.68 ug/l
 RT: 12.42 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

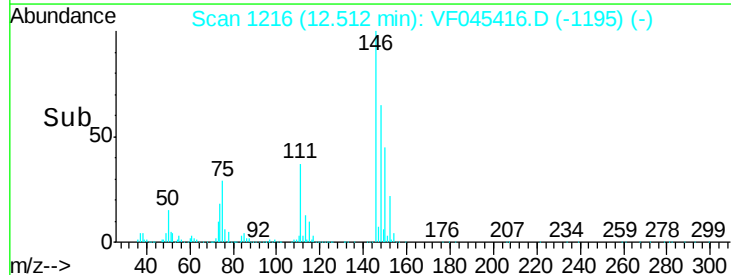
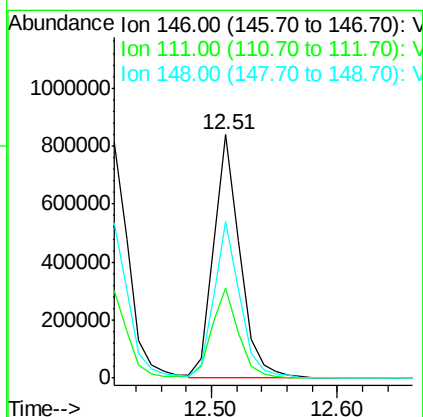
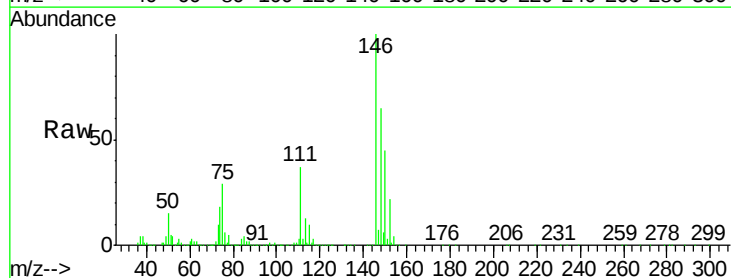
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

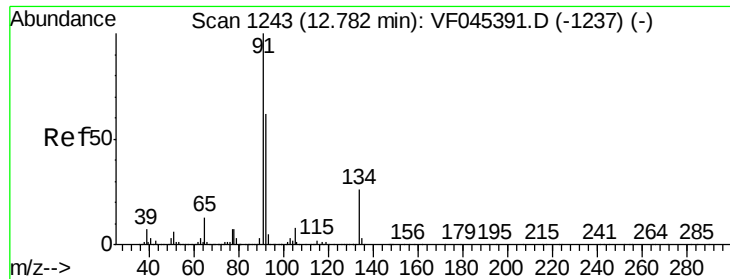
Tot Ion:146 Resp: 1234572
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.9 59.7
 148 65.5 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 50.43 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF045416.D
 Acq: 17 Sep 2015 19:48

Tgt Ion:146 Resp: 1226553
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.3 52.0
 148 64.6 32.4 97.0

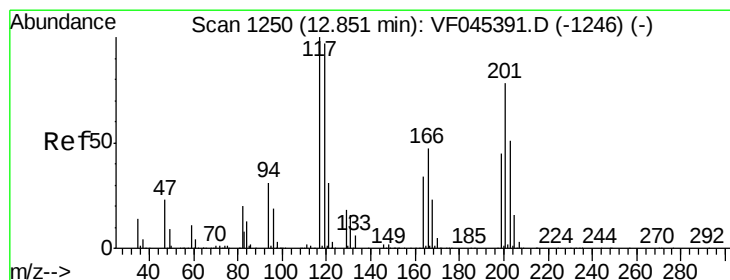
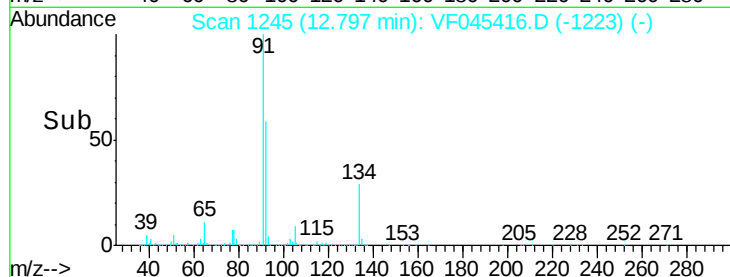
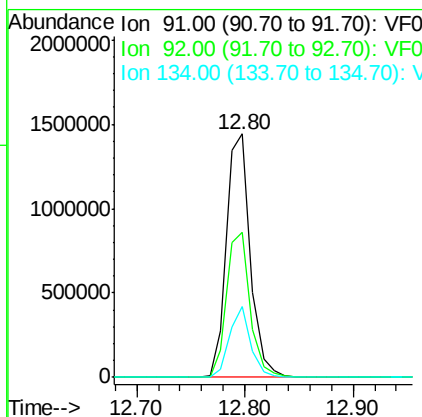
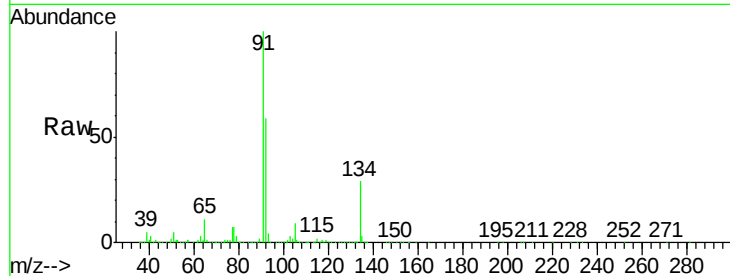




#88
n-Butylbenzene
Concen: 49.99 ug/l
RT: 12.80 min Scan# 1245
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

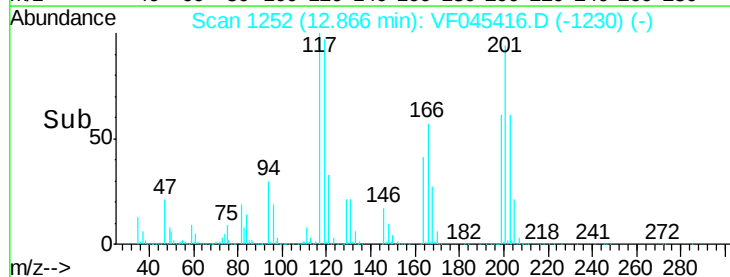
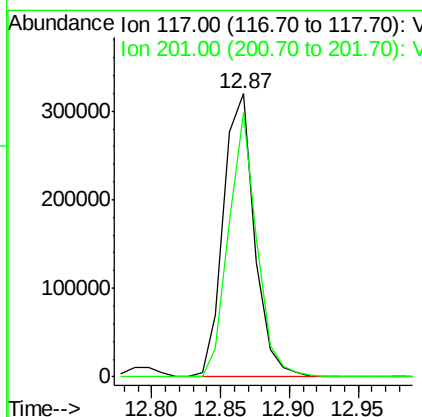
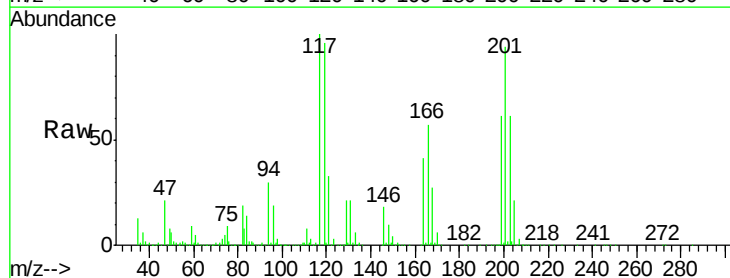
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

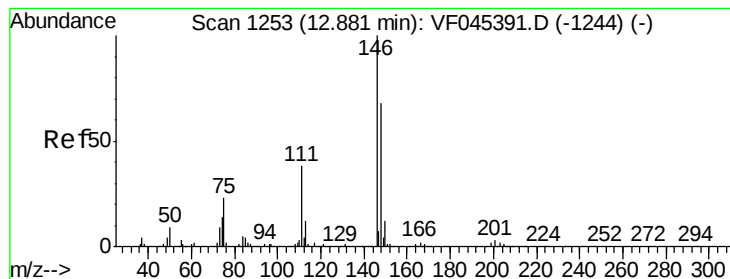
Tot Ion: 91 Resp: 2214689
Ion Ratio Lower Upper
91 100
92 59.4 30.1 90.5
134 28.9 13.8 41.4



#89
Hexachloroethane
Concen: 47.96 ug/l
RT: 12.87 min Scan# 1252
Delta R.T. 0.02 min
Lab File: VF045416.D
Acq: 17 Sep 2015 19:48

Tgt Ion: 117 Resp: 500348
Ion Ratio Lower Upper
117 100
201 93.5 42.0 126.1





#90

1,2-Dichlorobenzene

Concen: 50.67 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

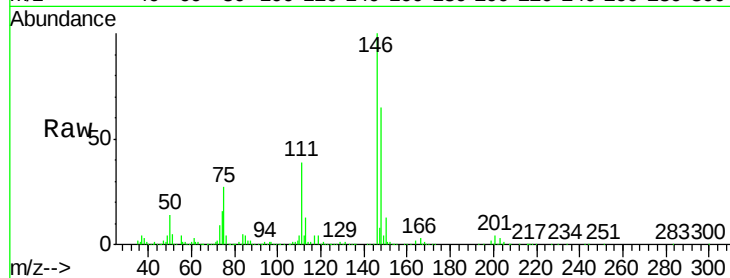
Tot Ion:146 Resp: 1135374

Ion Ratio Lower Upper

146 100

111 39.3 21.4 64.3

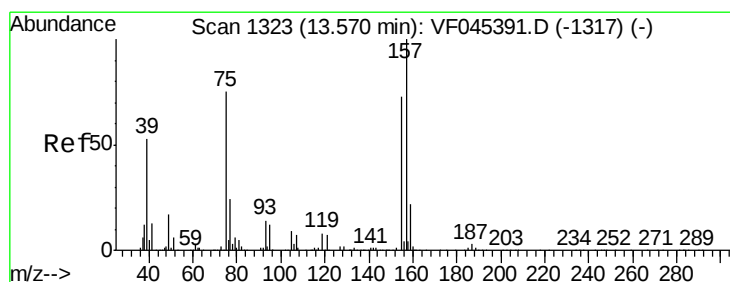
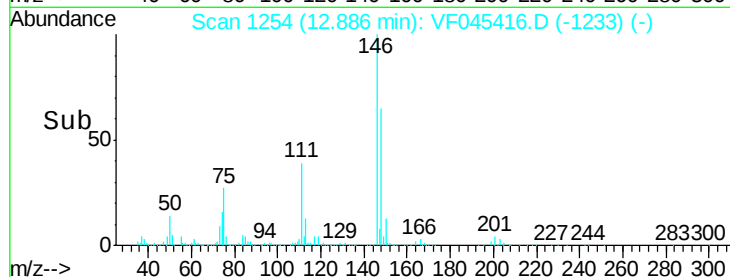
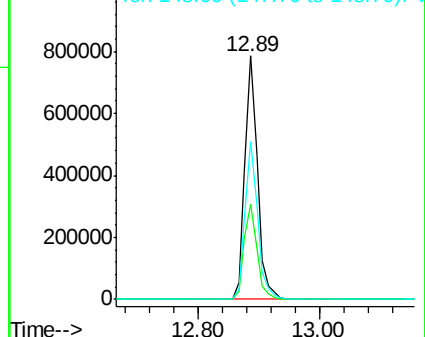
148 64.6 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#91

1,2-Dibromo-3-Chloropropane

Concen: 53.75 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

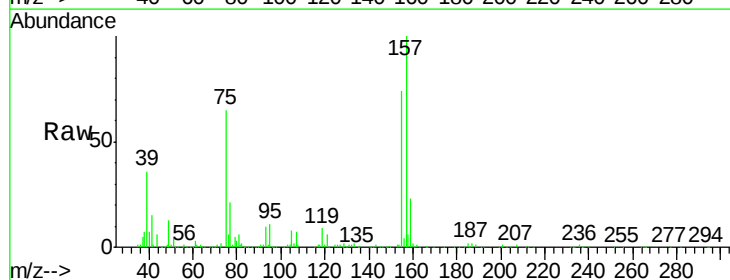
Tgt Ion: 75 Resp: 81709

Ion Ratio Lower Upper

75 100

155 114.3 49.2 147.6

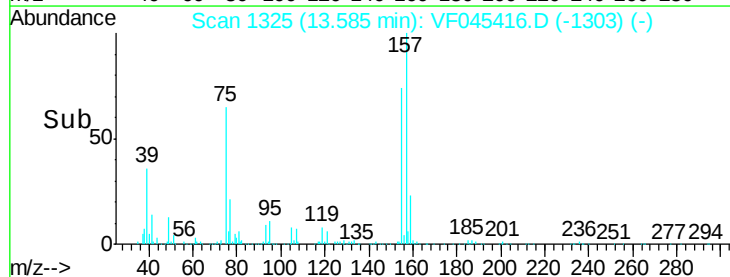
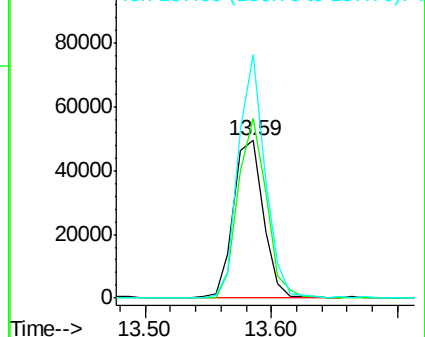
157 154.6 66.8 200.4

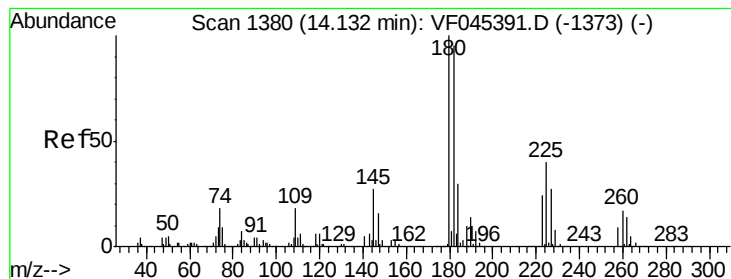


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#92

1,2,4-Trichlorobenzene

Concen: 52.85 ug/l

RT: 14.14 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

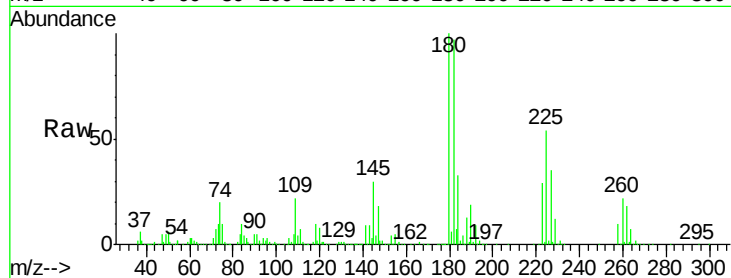
Tot Ion:180 Resp: 685249

Ion Ratio Lower Upper

180 100

182 97.3 49.4 148.0

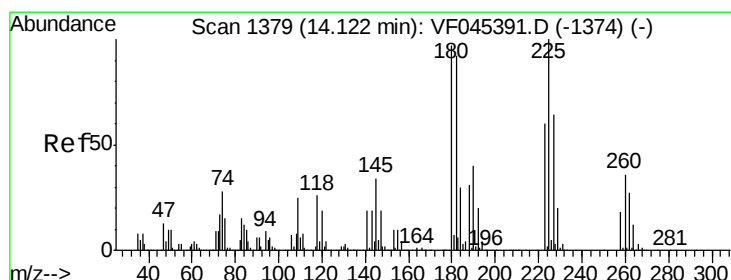
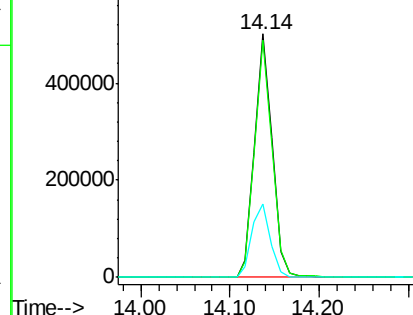
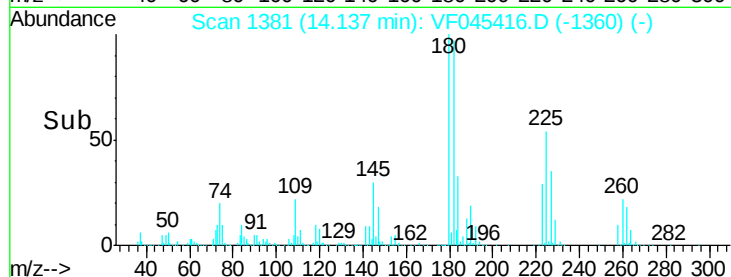
145 30.1 16.7 50.1



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: 52.36 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

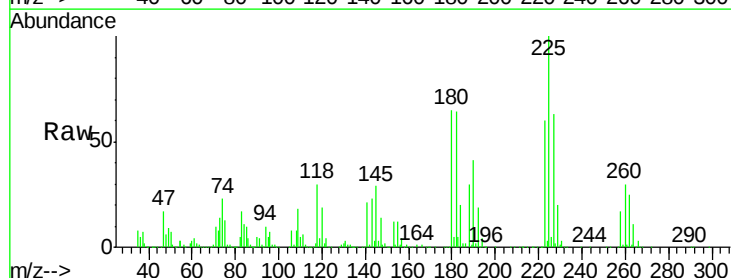
Tgt Ion:225 Resp: 515676

Ion Ratio Lower Upper

225 100

223 60.4 31.9 95.5

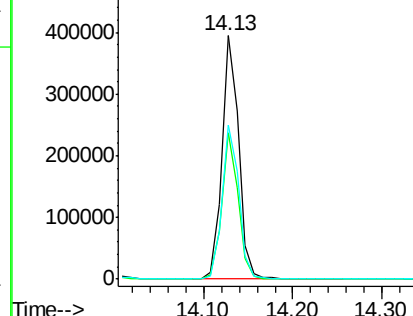
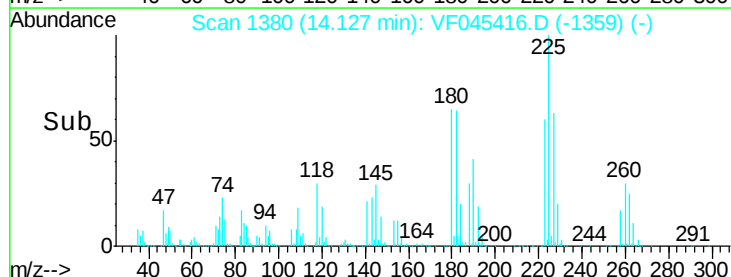
227 63.3 32.9 98.7

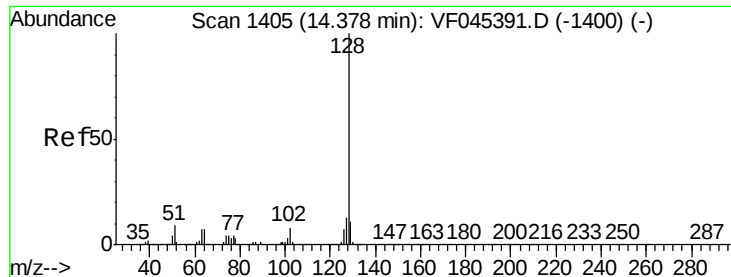


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#94

Naphthalene

Concen: 51.91 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

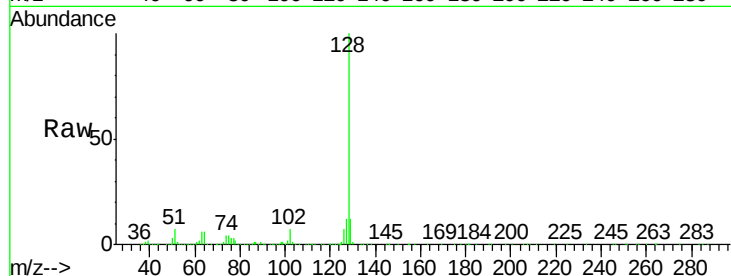
Tot Ion:128 Resp: 1272526

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.8

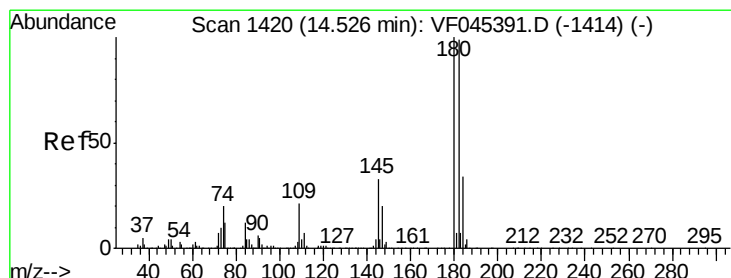
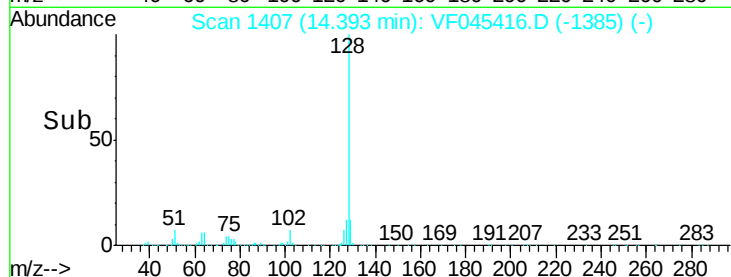
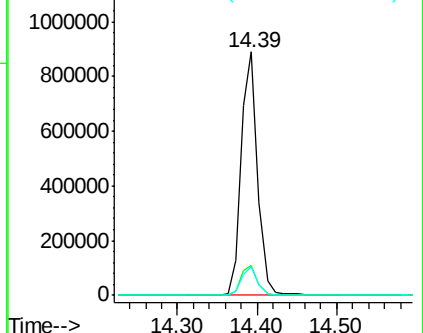
129 11.6 8.8 13.2



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: 51.01 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045416.D

Acq: 17 Sep 2015 19:48

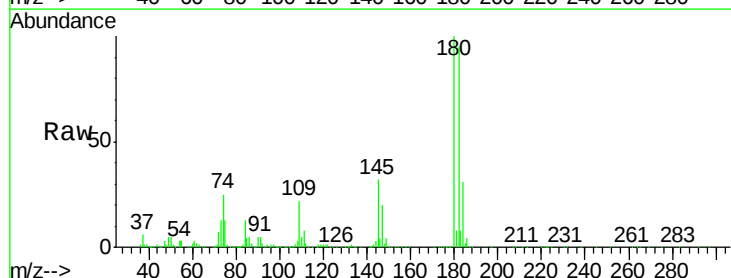
Tgt Ion:180 Resp: 543367

Ion Ratio Lower Upper

180 100

182 95.3 47.6 142.8

145 32.3 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

