

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045394.D
 Acq On : 16 Sep 2015 16:34
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV091615

Quant Time: Sep 16 16:55:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1131277	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1660888	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1575428	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	904076	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.77	65	540770	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
34) Dibromofluoromethane	4.04	113	592992	46.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.18%	
49) Toluene-d8	7.50	98	1759115	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
61) 4-Bromofluorobenzene	11.35	95	825861	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	512217	53.17	ug/l	98
3) Chloromethane	1.03	50	398536	48.31	ug/l	# 84
4) Vinyl Chloride	1.10	62	364377	51.54	ug/l	99
5) Bromomethane	1.25	94	213753	48.69	ug/l	99
6) Chloroethane	1.33	64	146615	52.04	ug/l	89
7) Trichlorofluoromethane	1.39	101	297275	20.49	ug/l	97
8) Diethyl Ether	1.60	74	168325	55.51	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.79	101	424259	50.82	ug/l	95
10) Methyl Iodide	1.80	142	875340	51.27	ug/l	97
11) Tert butyl alcohol	2.51	59	41416	303.39	ug/l	99
12) 1,1-Dichloroethene	1.72	96	350136	50.49	ug/l	93
13) Acrolein	1.95	56	170342	301.14	ug/l	99
14) Allyl chloride	2.05	41	560330	52.07	ug/l	98
15) Acrylonitrile	2.88	53	378247	289.93	ug/l	96
16) Acetone	2.19	43	806894	292.57	ug/l	98
17) Carbon Disulfide	1.73	76	1228639	51.99	ug/l	100
18) Methyl Acetate	2.30	43	619158	58.53	ug/l	97
19) Methyl tert-butyl Ether	2.38	73	304168	55.74	ug/l	98
20) Methylene Chloride	2.13	84	389231	52.16	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	380201	48.90	ug/l	95
22) Diisopropyl ether	2.75	45	1221800	53.27	ug/l	98
23) Vinyl Acetate	3.12	43	1843080	275.28	ug/l	99
24) 1,1-Dichloroethane	2.82	63	790411	50.91	ug/l	98
25) 2-Butanone	4.26	43	1121197	290.61	ug/l	95
26) 2,2-Dichloropropane	3.54	77	670402	46.37	ug/l	99
27) cis-1,2-Dichloroethene	3.41	96	629632	52.43	ug/l	97
28) Bromochloromethane	3.65	49	287249	47.12	ug/l	# 93
29) Chloroform	3.78	83	1114527	51.07	ug/l	98
30) Cyclohexane	3.64	56	734816	52.45	ug/l	98
31) 1,1,1-Trichloroethane	4.02	97	886119	49.02	ug/l	94
35) 1,1-Dichloropropene	4.22	75	774088	49.13	ug/l	96
36) Ethyl Acetate	4.04	43	468774	58.80	ug/l	# 68
37) Carbon Tetrachloride	3.92	117	866764	52.22	ug/l	98
38) Methylcyclohexane	5.40	83	773155	45.65	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	1948133	52.88	ug/l	99
40) Methacrylonitrile	4.67	41	217170	57.55	ug/l	98
41) 1,2-Dichloroethane	4.87	62	782703	52.67	ug/l	96
42) Isopropyl Acetate	6.90	43	639971	60.92	ug/l #	94
43) Trichloroethene	5.44	130	595596	47.34	ug/l	99
44) 1,2-Dichloropropane	6.17	63	572980	53.39	ug/l	98
45) Dibromomethane	6.02	93	423735	55.48	ug/l	97
46) Bromodichloromethane	6.32	83	888378	51.95	ug/l	96
47) Methyl methacrylate	6.66	41	354881	55.66	ug/l	86
48) 1,4-Dioxane	6.64	88	88641	1160.62	ug/l #	90
50) 4-Methyl-2-Pentanone	8.20	43	2223544	297.69	ug/l	100
51) Toluene	7.57	92	1466041	51.65	ug/l	99
52) t-1,3-Dichloropropene	8.22	75	843544	54.88	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	1008089	55.53	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	499741	52.05	ug/l	99
55) Ethyl methacrylate	8.56	69	710517	56.89	ug/l	97
56) 1,3-Dichloropropane	8.79	76	807877	51.59	ug/l	99
58) 2-Hexanone	9.43	43	1690842	284.40	ug/l	99
59) Dibromochloromethane	8.64	129	726006	53.36	ug/l	98
60) 1,2-Dibromoethane	8.92	107	617538	56.68	ug/l	97
63) Tetrachloroethene	8.09	164	663522	53.01	ug/l	96
64) Chlorobenzene	9.72	112	1716246	51.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	609779	50.47	ug/l	98
66) Ethyl Benzene	9.83	91	2754459	48.10	ug/l	99
67) m/p-Xylenes	10.07	106	1995942	97.24	ug/l	94
68) o-Xylene	10.65	106	1102151	51.72	ug/l	99
69) Styrene	10.73	104	1728954	50.84	ug/l	98
70) Bromoform	10.71	173	514666	57.40	ug/l	98
72) Isopropylbenzene	11.07	105	3045966	50.28	ug/l	95
73) N-amyl acetate	11.32	43	963886	57.41	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.64	83	744904	54.26	ug/l	100
75) 1,2,3-Trichloropropane	11.73	75	527639	55.89	ug/l	99
76) Bromobenzene	11.44	156	887535	51.67	ug/l	84
77) n-propylbenzene	11.54	91	3721957	49.50	ug/l	97
78) 2-Chlorotoluene	11.66	91	2088875	49.66	ug/l	94
79) 1,3,5-Trimethylbenzene	11.77	105	2438501	49.40	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.81	75	358726	70.94	ug/l	96
81) 4-Chlorotoluene	11.84	91	2291029	49.28	ug/l	94
82) tert-Butylbenzene	12.08	119	2347850	48.09	ug/l	99
83) 1,2,4-Trimethylbenzene	12.15	105	2582040	51.01	ug/l	97
84) sec-Butylbenzene	12.26	105	3305741	48.71	ug/l	99
85) p-Isopropyltoluene	12.40	119	2501958	47.35	ug/l	96
86) 1,3-Dichlorobenzene	12.41	146	1425767	48.82	ug/l	96
87) 1,4-Dichlorobenzene	12.50	146	1419156	48.67	ug/l	95
88) n-Butylbenzene	12.79	91	2540277	47.83	ug/l	98
89) Hexachloroethane	12.86	117	604460	48.33	ug/l	100
90) 1,2-Dichlorobenzene	12.88	146	1381841	51.44	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	13.58	75	108095	59.31	ug/l	94
92) 1,2,4-Trichlorobenzene	14.13	180	851580	54.79	ug/l	96
93) Hexachlorobutadiene	14.13	225	601756	50.97	ug/l	97

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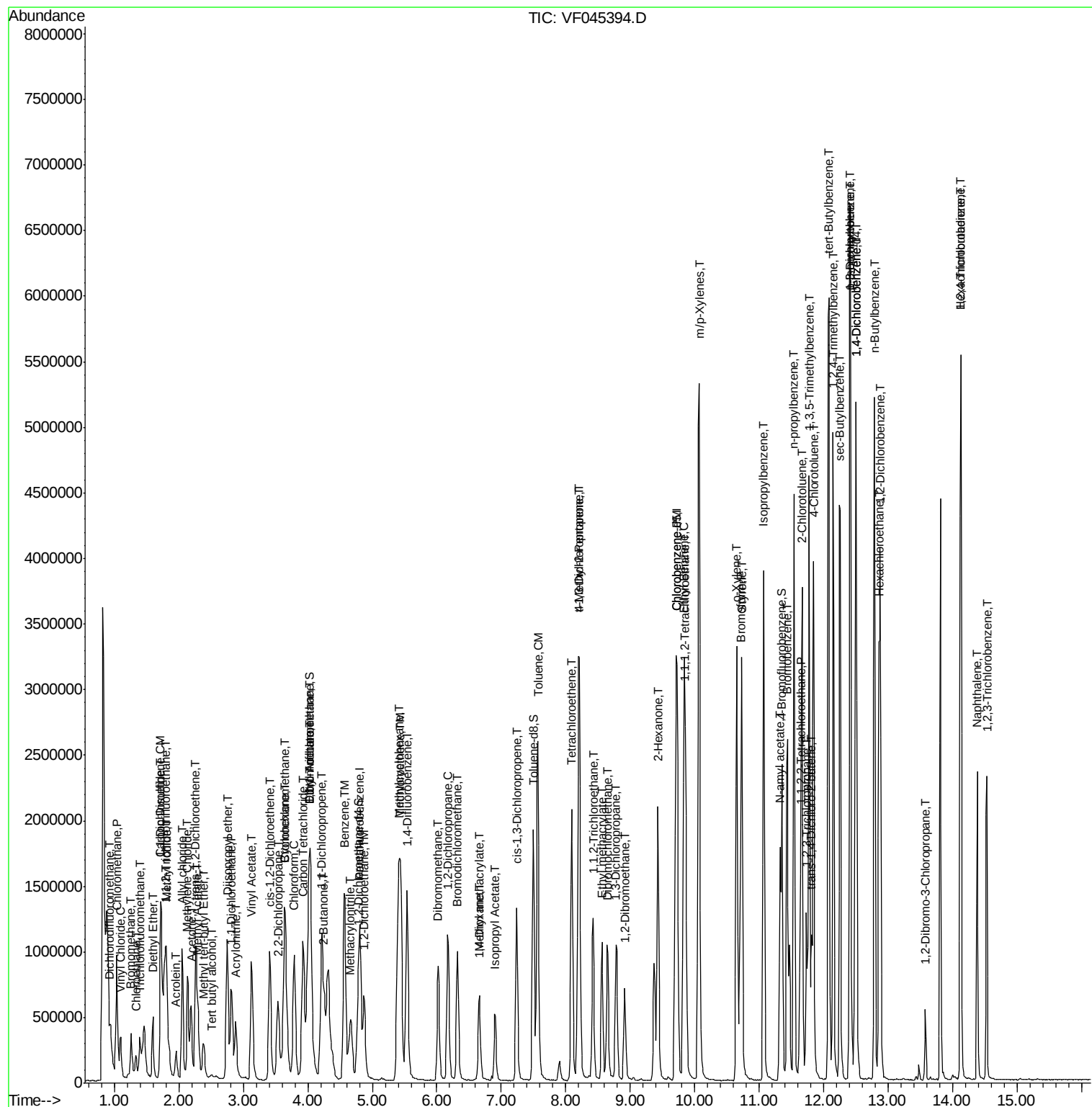
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	1582166	53.77	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	727744	56.99	ug/l	94

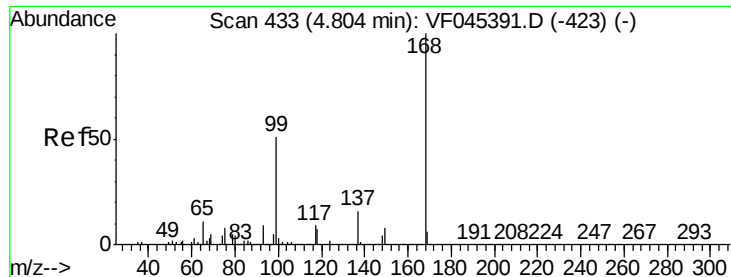
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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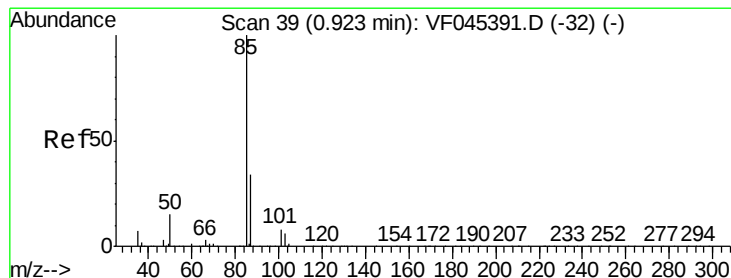
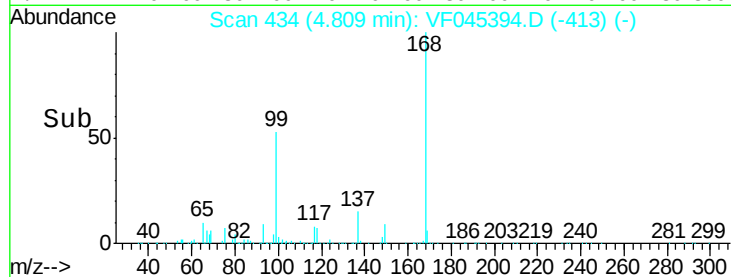
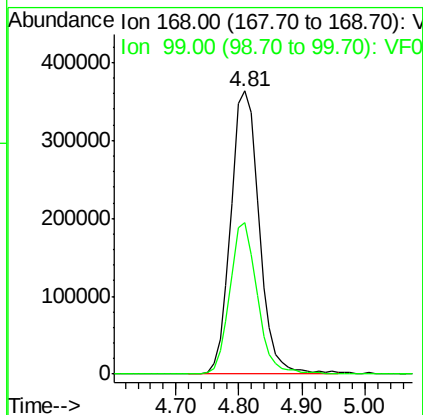
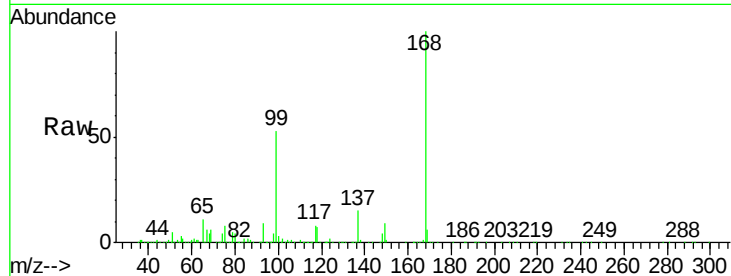


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.81 min Scan# 434
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
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 ClientSampleId :
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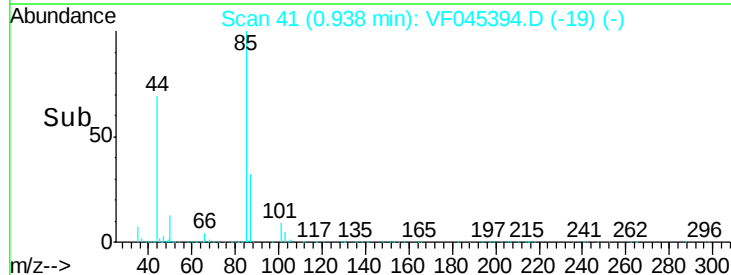
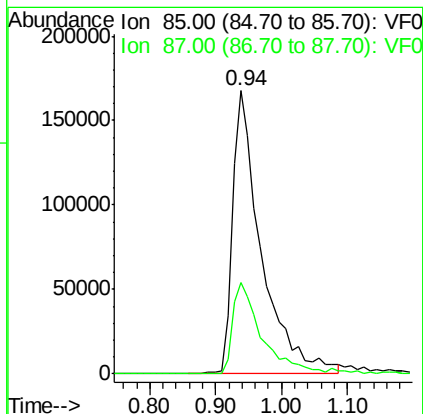
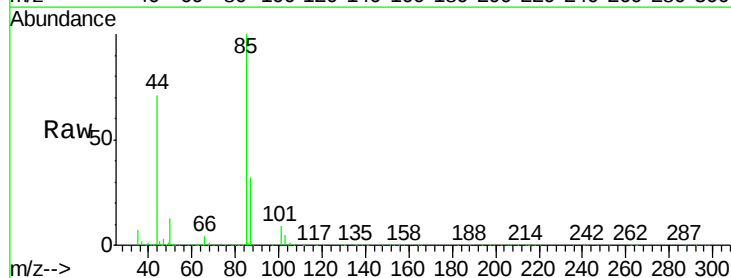
Tot Ion:168 Resp: 1131277
 Ion Ratio Lower Upper
 168 100
 99 53.4 39.0 58.4

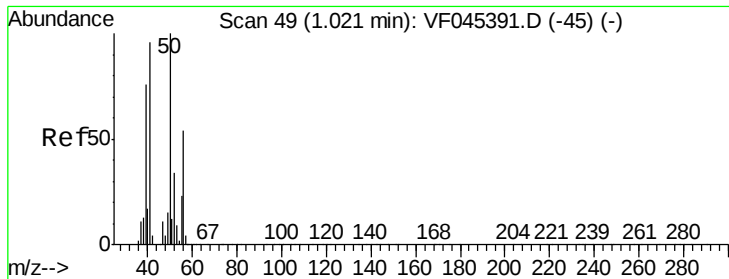


#2

Dichlorodifluoromethane
 Concen: 53.17 ug/l
 RT: 0.94 min Scan# 41
 Delta R.T. 0.02 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion: 85 Resp: 512217
 Ion Ratio Lower Upper
 85 100
 87 32.3 15.6 46.7





#3

Chloromethane

Concen: 48.31 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

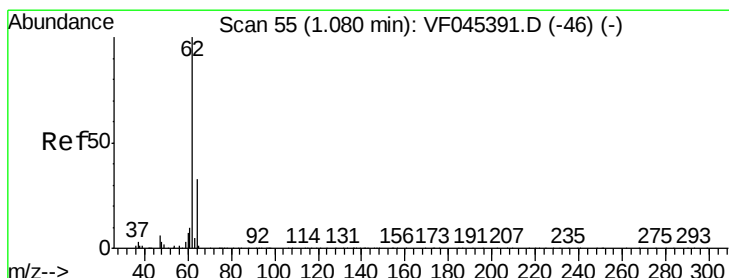
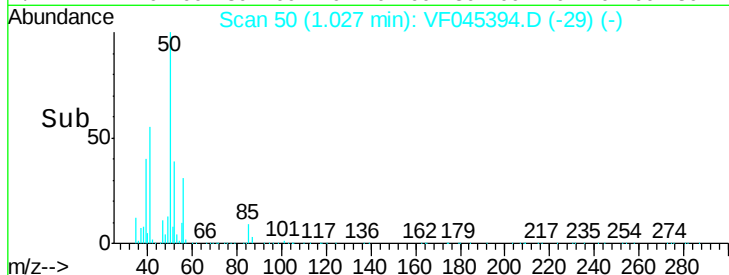
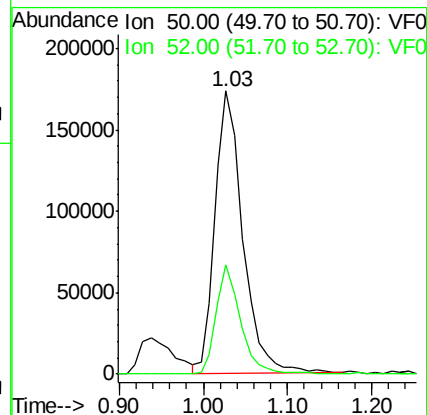
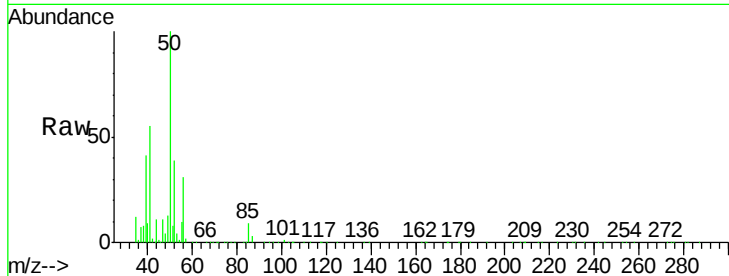
ICVVF091615

Tot Ion: 50 Resp: 398536

Ion Ratio Lower Upper

50 100

52 38.6 23.8 35.8#



#4

Vinyl Chloride

Concen: 51.54 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF045394.D

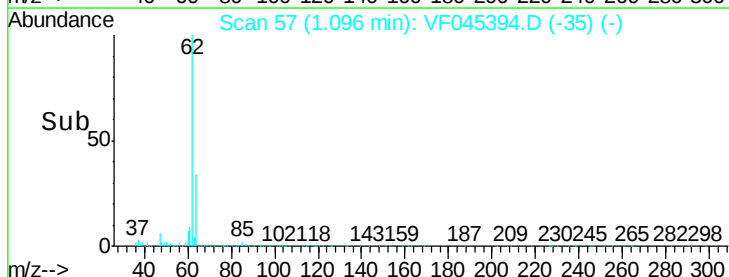
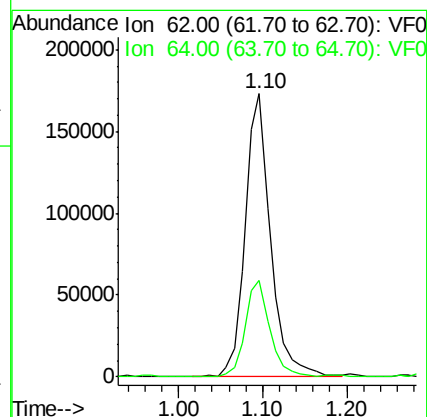
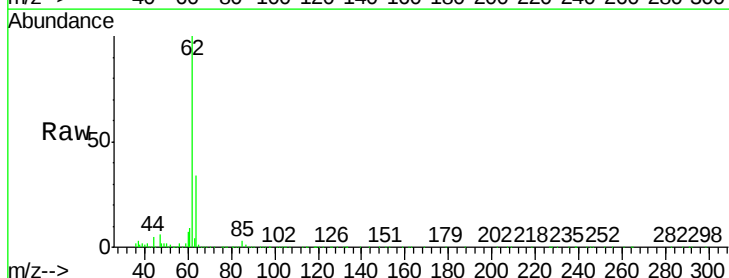
Acq: 16 Sep 2015 16:34

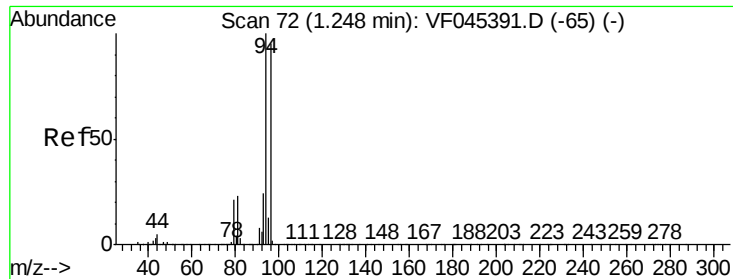
Tgt Ion: 62 Resp: 364377

Ion Ratio Lower Upper

62 100

64 34.0 26.6 39.8





#5

Bromomethane

Concen: 48.69 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

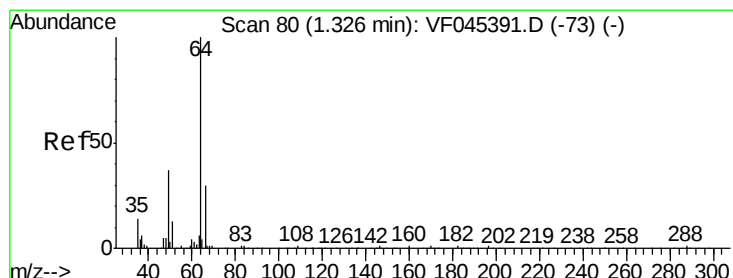
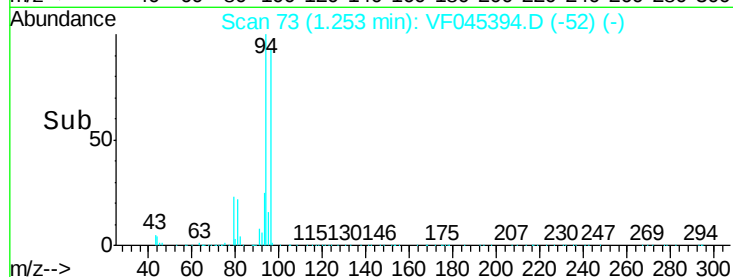
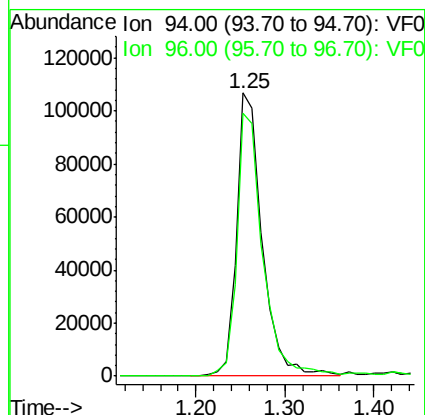
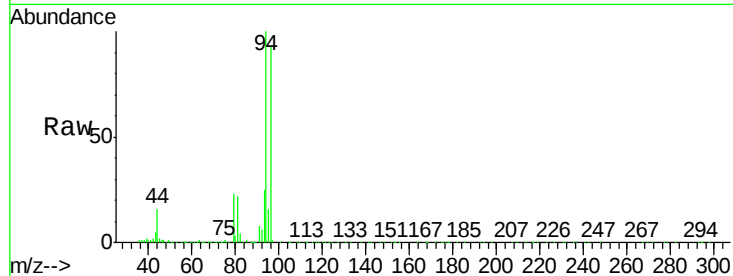
ICVVF091615

Tot Ion: 94 Resp: 213753

Ion Ratio Lower Upper

94 100

96 92.8 75.0 112.4



#6

Chloroethane

Concen: 52.04 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045394.D

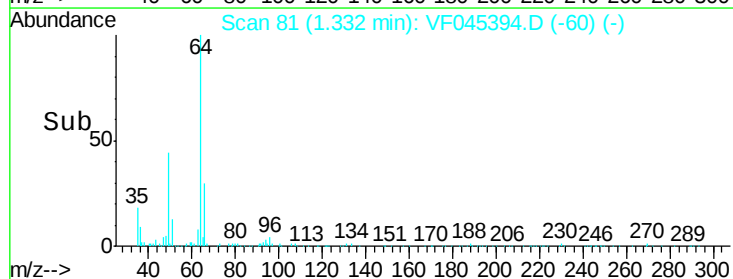
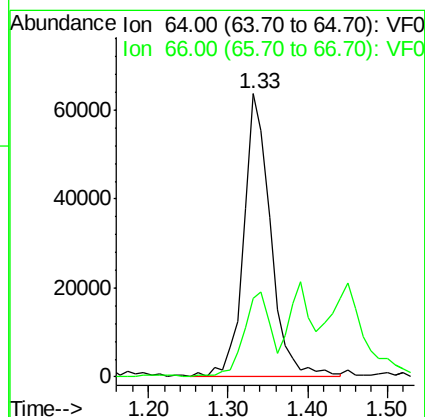
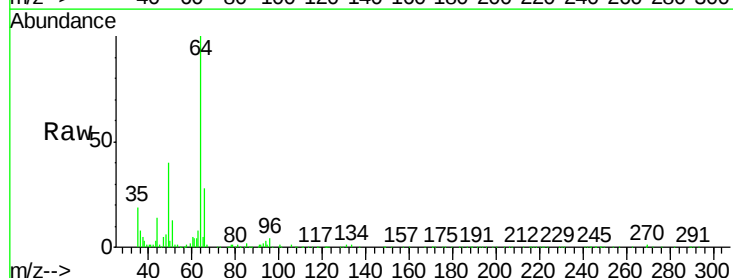
Acq: 16 Sep 2015 16:34

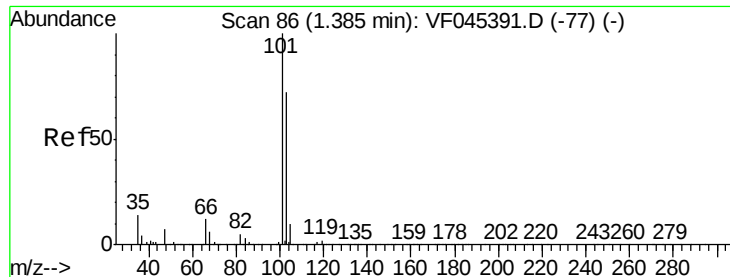
Tgt Ion: 64 Resp: 146615

Ion Ratio Lower Upper

64 100

66 27.6 27.3 40.9





#7

Trichlorofluoromethane

Concen: 20.49 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

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ClientSampleId :

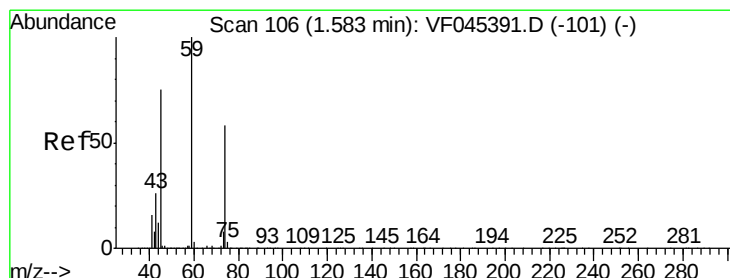
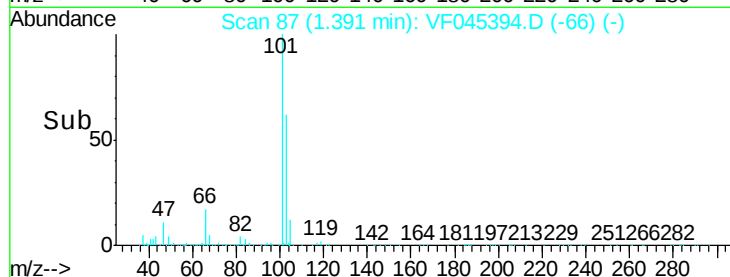
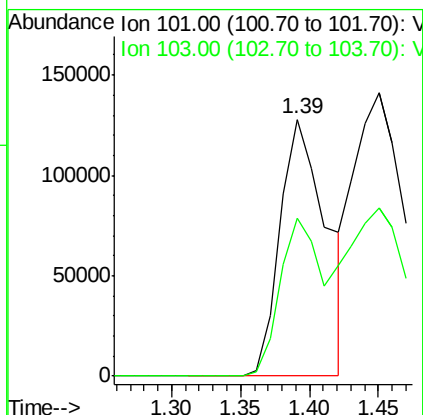
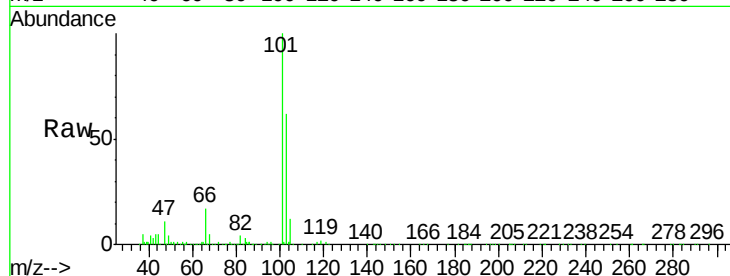
ICVVF091615

Tot Ion:101 Resp: 297275

Ion Ratio Lower Upper

101 100

103 61.5 50.8 76.2



#8

Diethyl Ether

Concen: 55.51 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.02 min

Lab File: VF045394.D

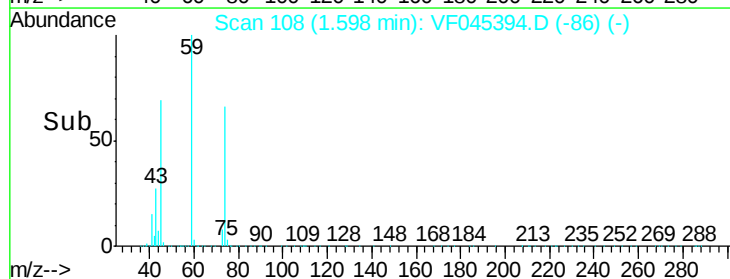
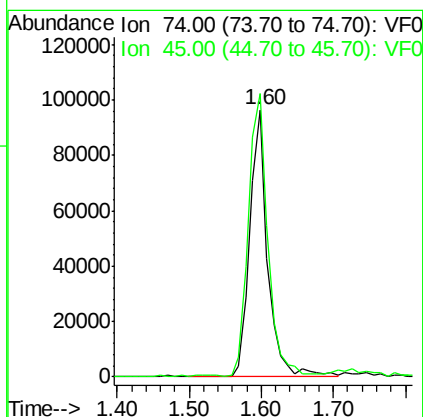
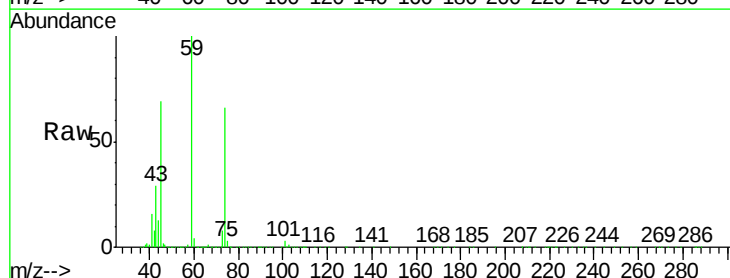
Acq: 16 Sep 2015 16:34

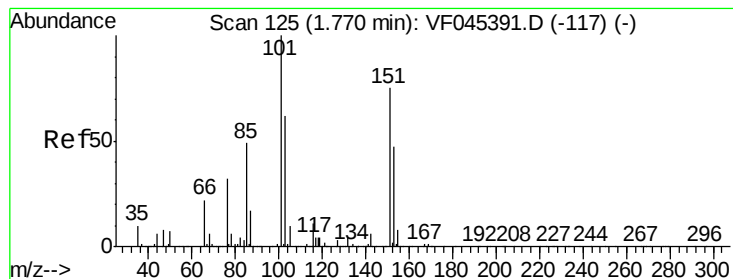
Tgt Ion: 74 Resp: 168325

Ion Ratio Lower Upper

74 100

45 106.0 60.9 182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.82 ug/l

RT: 1.79 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

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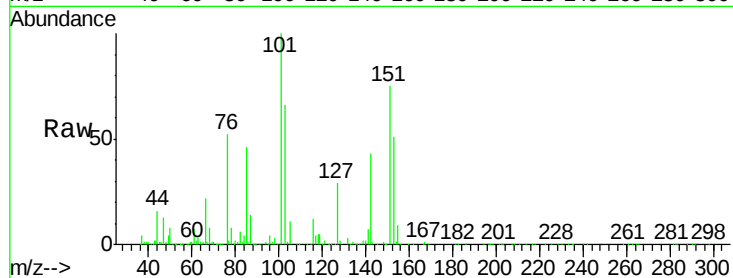
Tot Ion:101 Resp: 424259

Ion Ratio Lower Upper

101 100

85 46.0 40.0 60.0

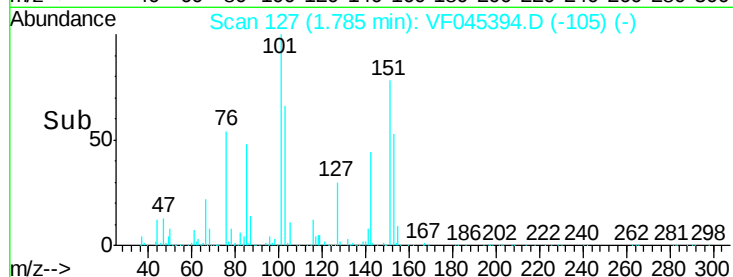
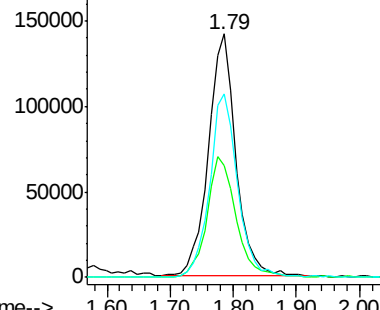
151 75.2 62.8 94.2



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: 51.27 ug/l

RT: 1.80 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

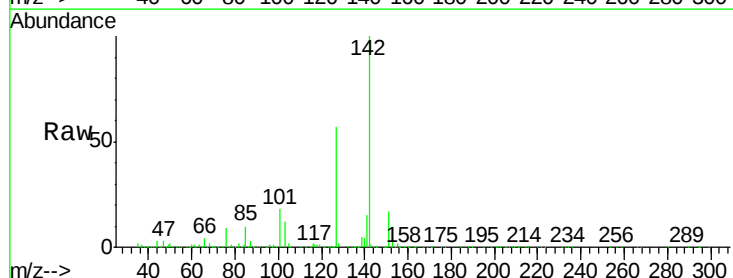
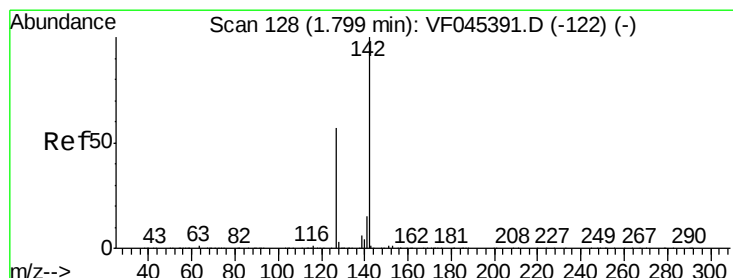
Tgt Ion:142 Resp: 875340

Ion Ratio Lower Upper

142 100

127 56.8 43.3 64.9

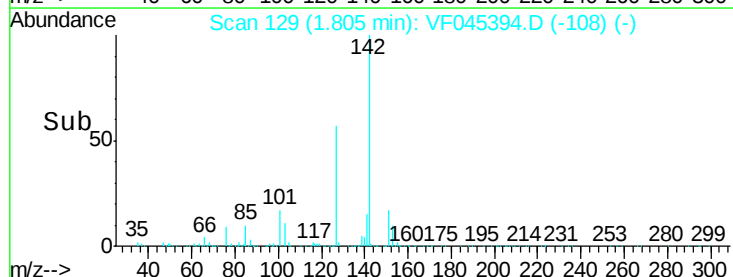
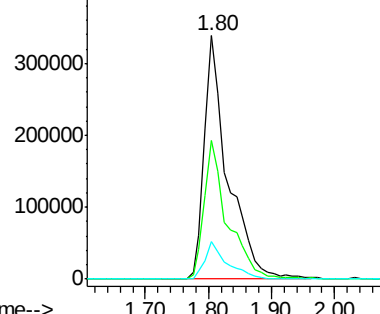
141 15.2 12.1 18.1

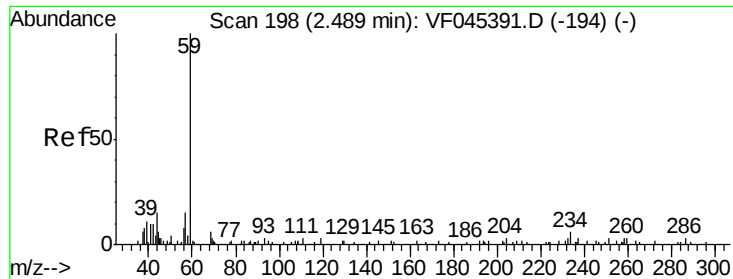


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

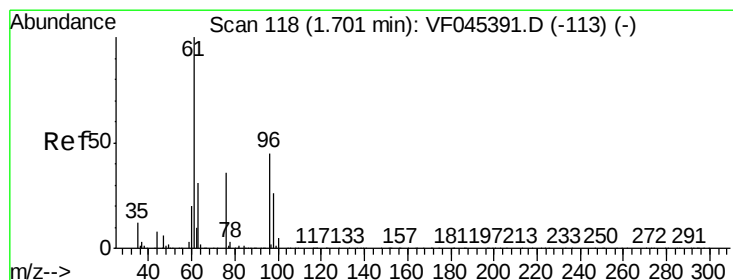
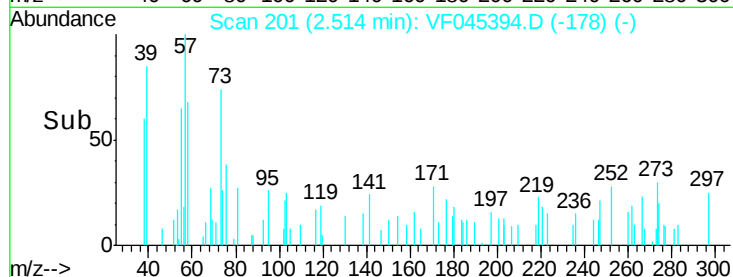
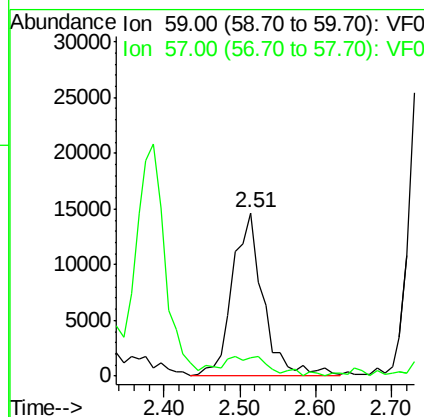
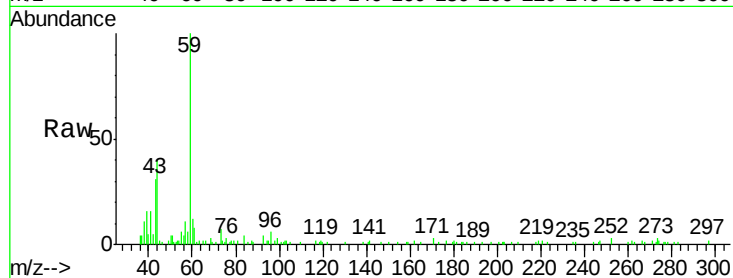




#11
Tert butyl alcohol
Concen: 303.39 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.03 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

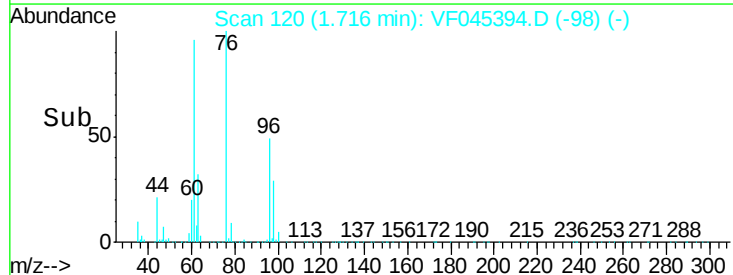
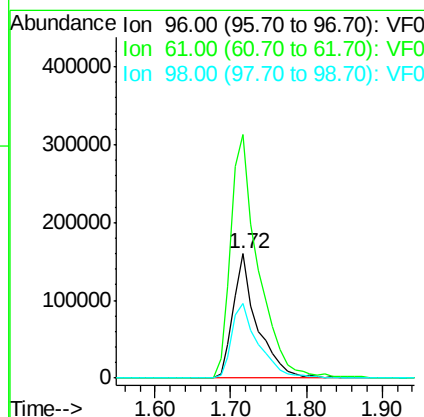
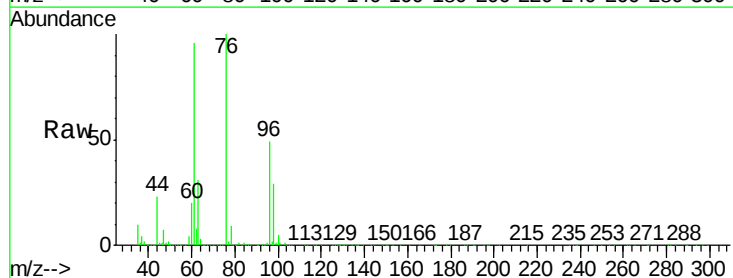
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

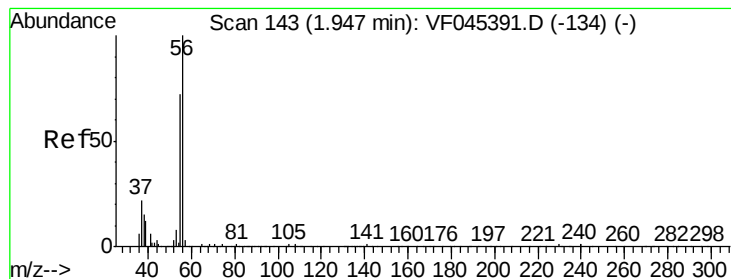
Tot Ion: 59 Resp: 41416
Ion Ratio Lower Upper
59 100
57 11.0 8.6 13.0



#12
1,1-Dichloroethene
Concen: 50.49 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 96 Resp: 350136
Ion Ratio Lower Upper
96 100
61 196.2 165.8 248.8
98 59.7 51.2 76.8





#13

Acrolein

Concen: 301.14 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

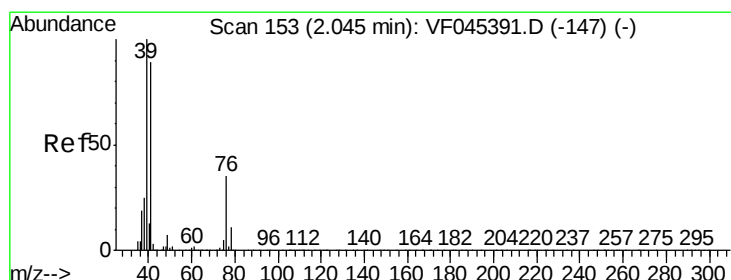
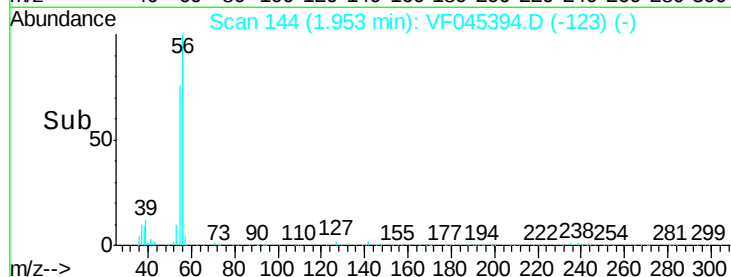
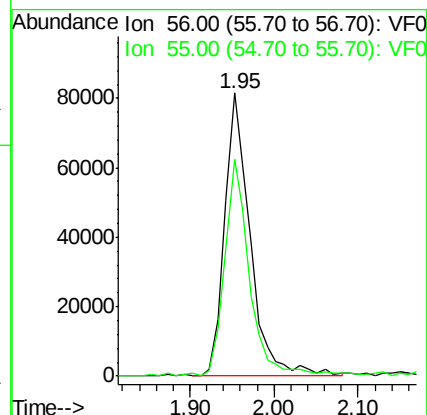
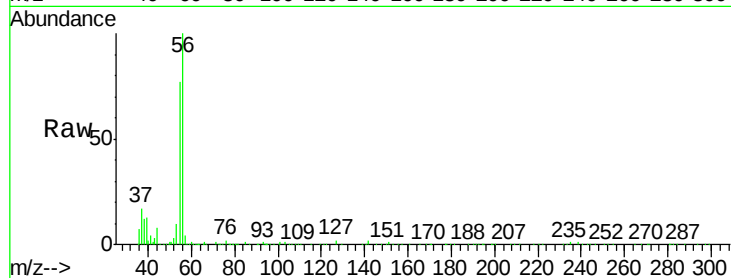
ICVVF091615

Tot Ion: 56 Resp: 170342

Ion Ratio Lower Upper

56 100

55 76.6 60.5 90.7



#14

Allyl chloride

Concen: 52.07 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

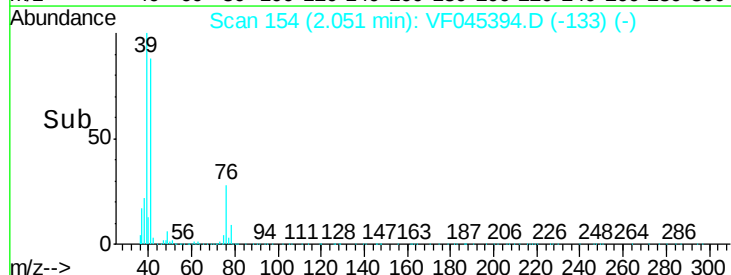
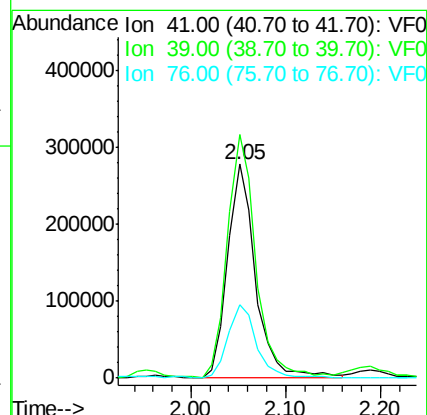
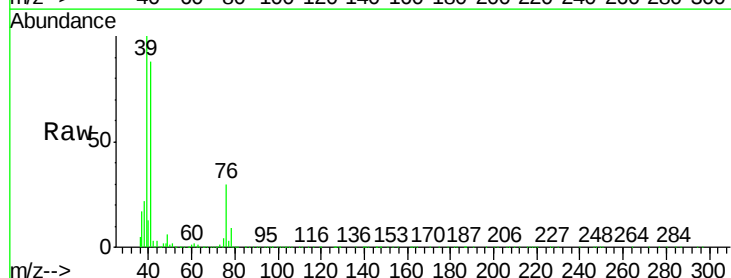
Tgt Ion: 41 Resp: 560330

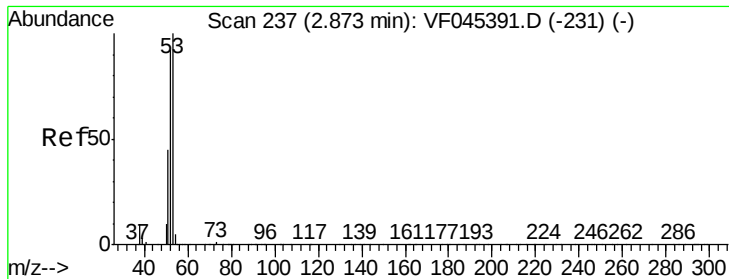
Ion Ratio Lower Upper

41 100

39 113.8 92.8 139.2

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 289.93 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

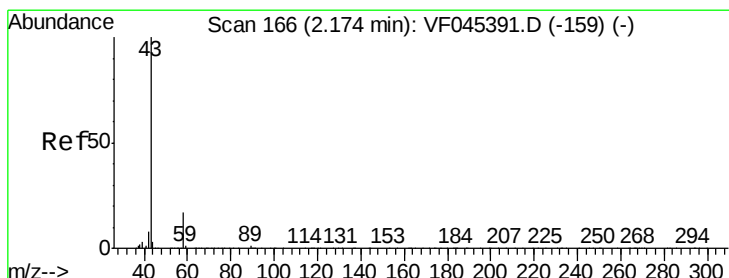
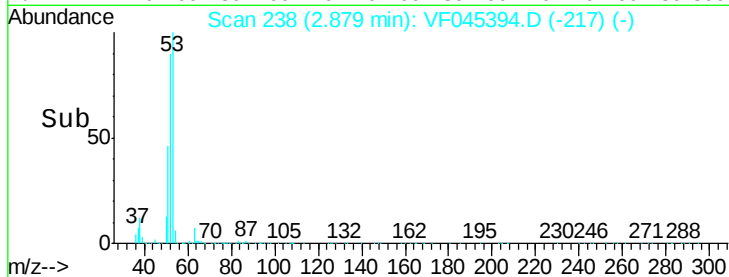
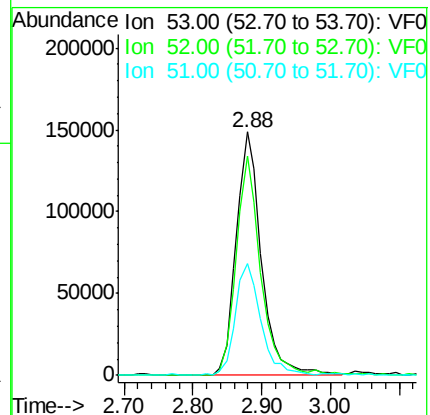
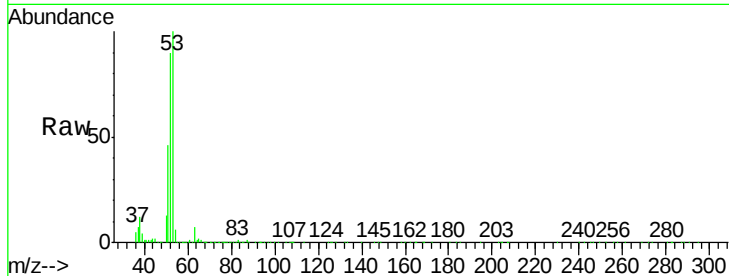
MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 53 Resp: 378247

Ion	Ratio	Lower	Upper
53	100		
52	90.0	72.7	109.1
51	46.1	42.2	63.2



#16

Acetone

Concen: 292.57 ug/l

RT: 2.19 min Scan# 168

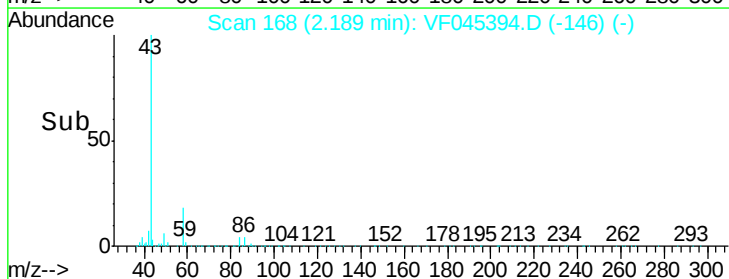
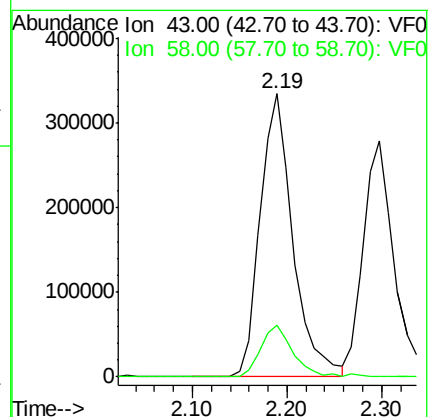
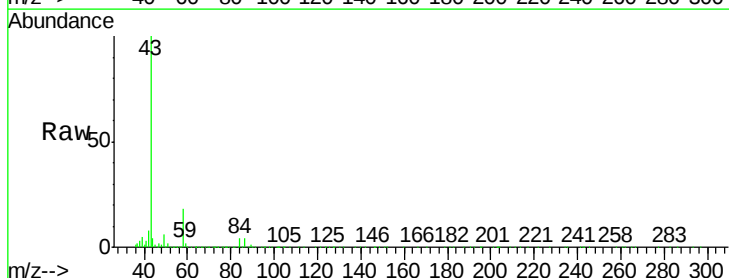
Delta R.T. 0.02 min

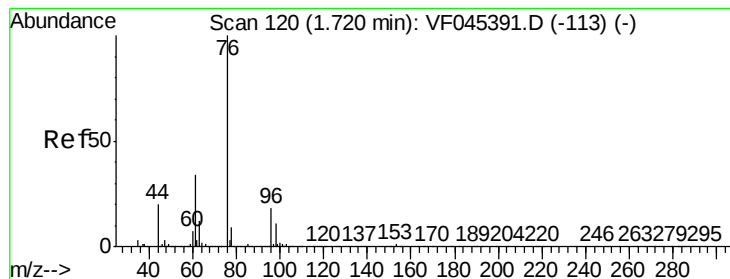
Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 43 Resp: 806894

Ion	Ratio	Lower	Upper
43	100		
58	18.3	13.9	20.9





#17

Carbon Disulfide

Concen: 51.99 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

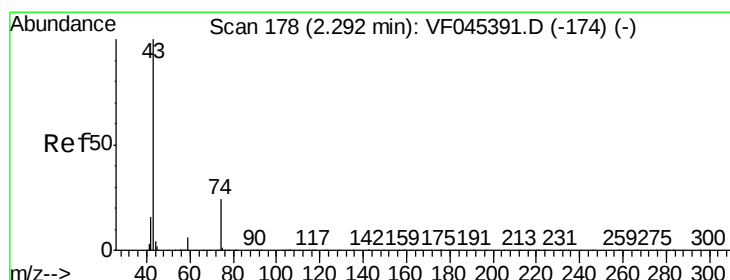
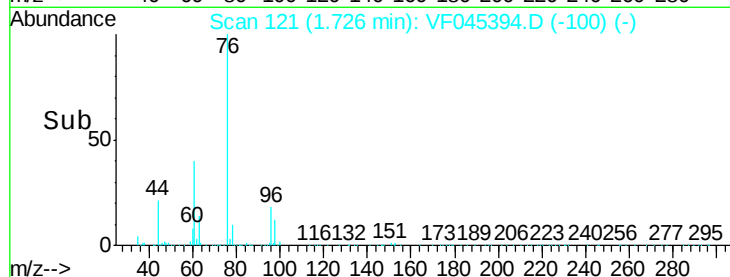
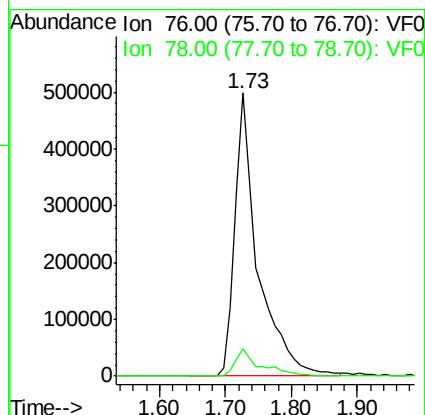
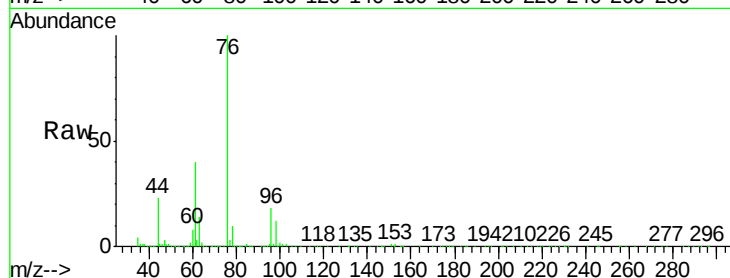
ICVVF091615

Tot Ion: 76 Resp: 1228639

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



#18

Methyl Acetate

Concen: 58.53 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.01 min

Lab File: VF045394.D

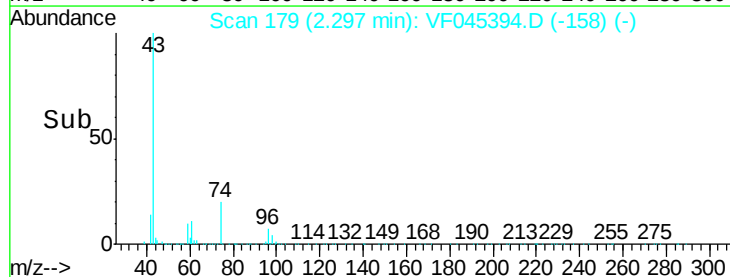
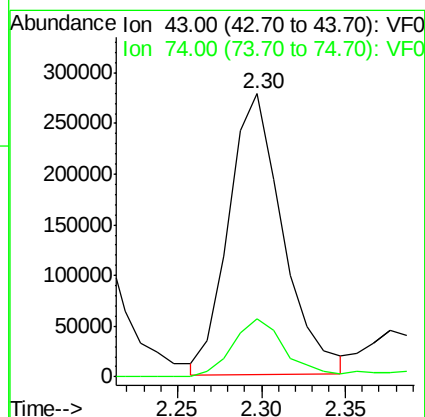
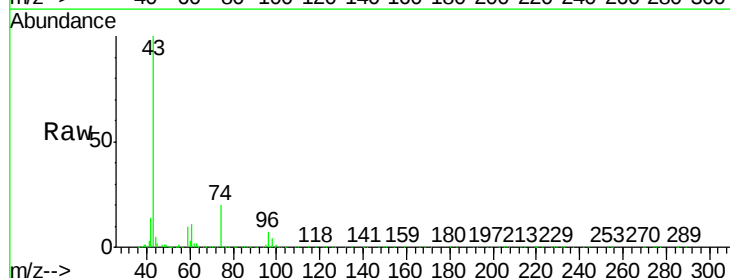
Acq: 16 Sep 2015 16:34

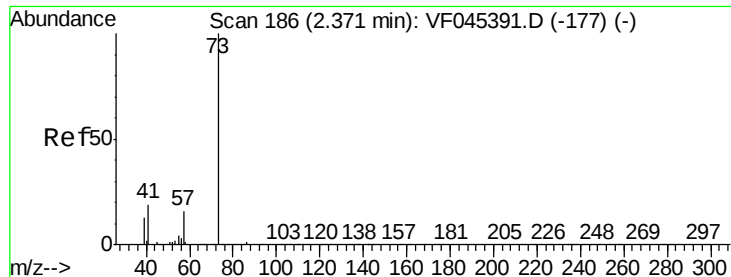
Tgt Ion: 43 Resp: 619158

Ion Ratio Lower Upper

43 100

74 20.4 15.1 22.7



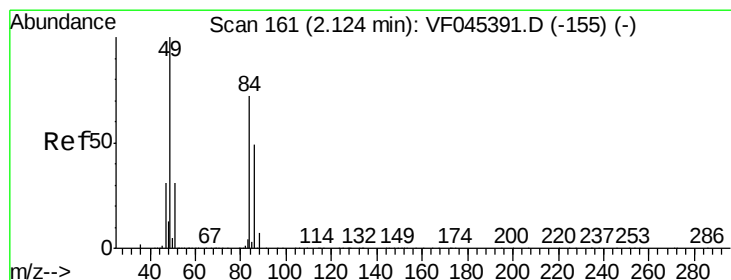
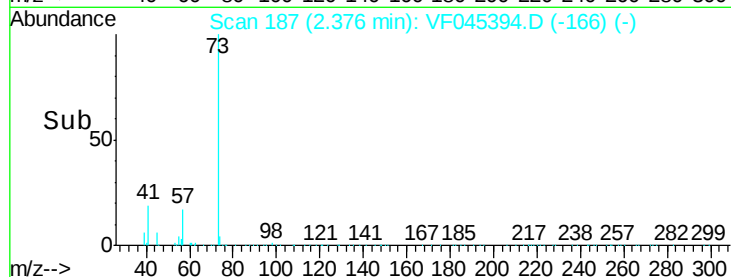
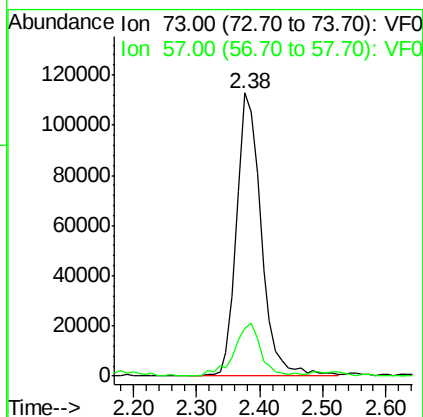
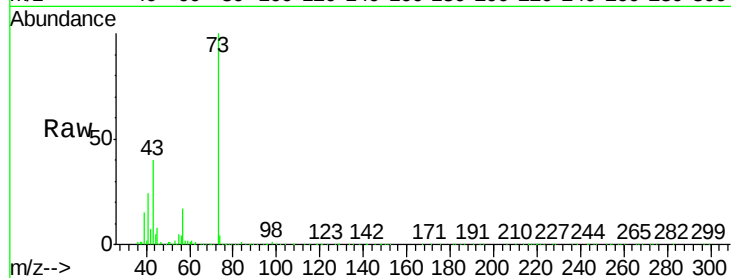


#19

Methyl tert-butyl Ether
 Concen: 55.74 ug/l
 RT: 2.38 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

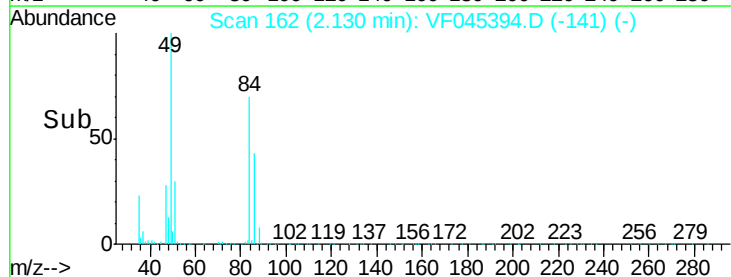
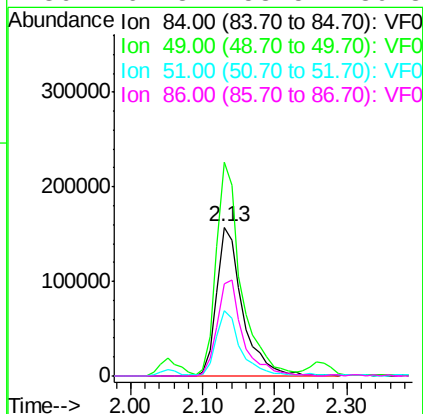
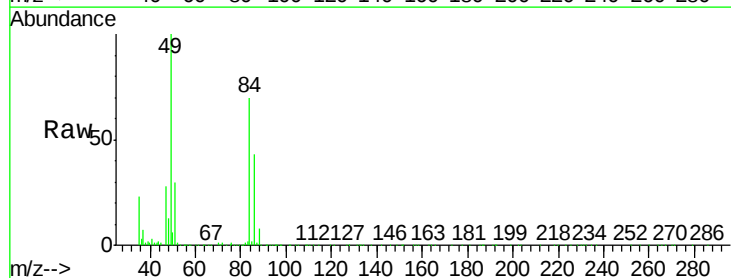
Tot Ion: 73 Resp: 304168
 Ion Ratio Lower Upper
 73 100
 57 17.1 12.9 19.3

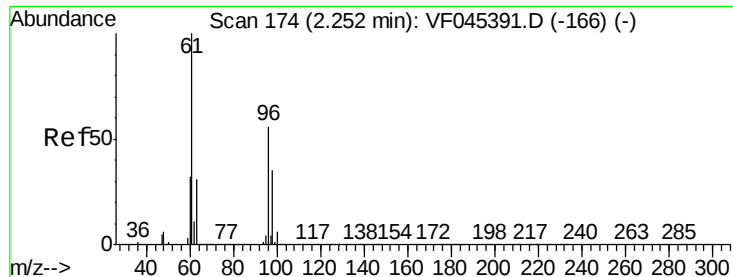


#20

Methylene Chloride
 Concen: 52.16 ug/l
 RT: 2.13 min Scan# 162
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion: 84 Resp: 389231
 Ion Ratio Lower Upper
 84 100
 49 143.8 122.8 184.2
 51 43.9 35.4 53.2
 86 61.8 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 48.90 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

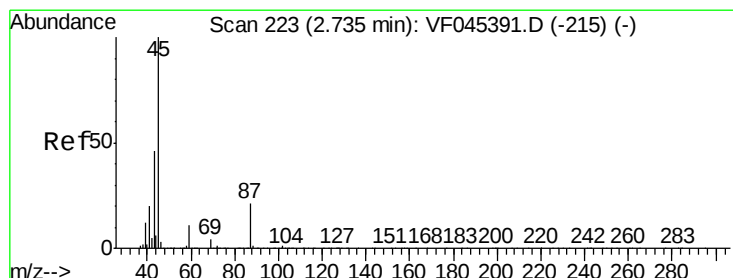
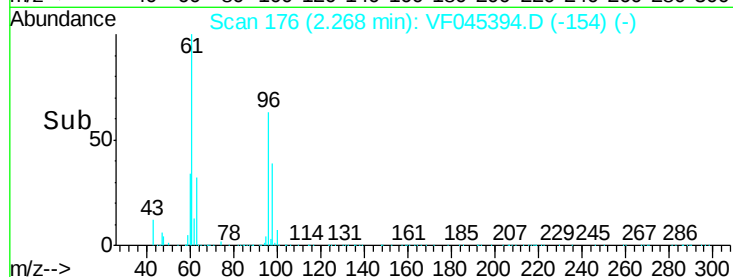
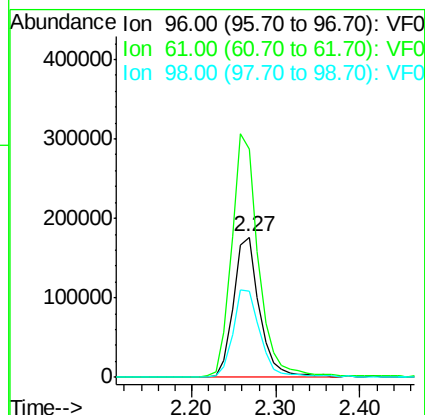
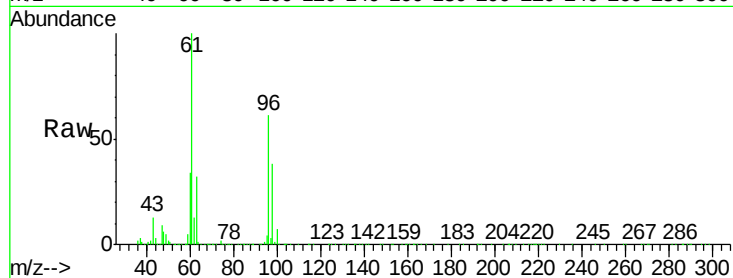
Tot Ion: 96 Resp: 380201

Ion Ratio Lower Upper

96 100

61 163.5 136.8 205.2

98 61.5 51.0 76.4



#22

Diisopropyl ether

Concen: 53.27 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 45 Resp: 1221800

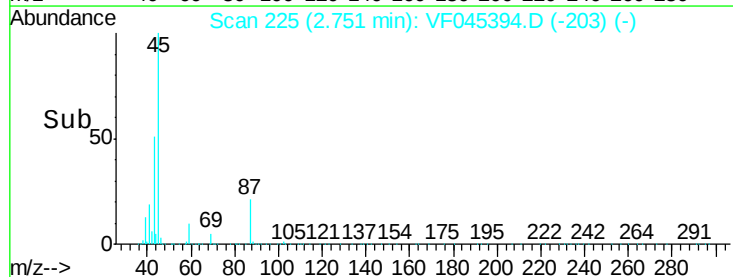
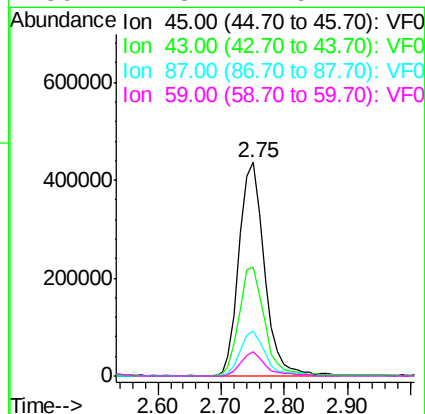
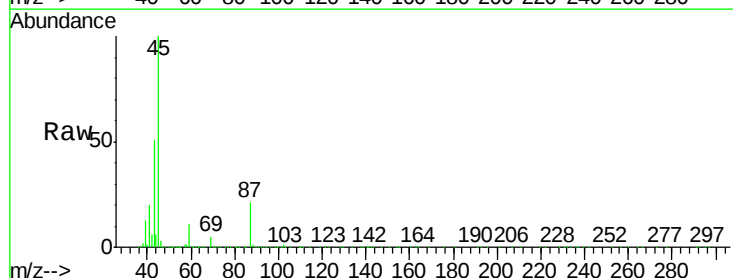
Ion Ratio Lower Upper

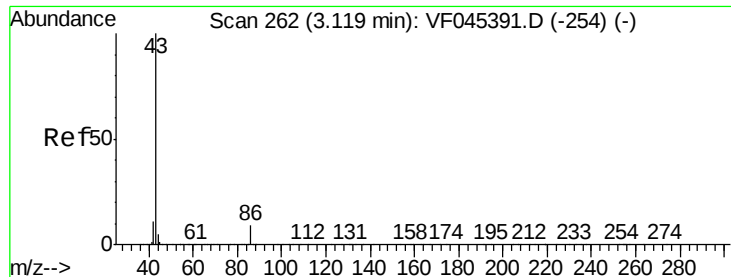
45 100

43 51.2 42.2 63.4

87 21.3 16.6 25.0

59 11.3 7.6 11.4





#23

Vinyl Acetate

Concen: 275.28 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

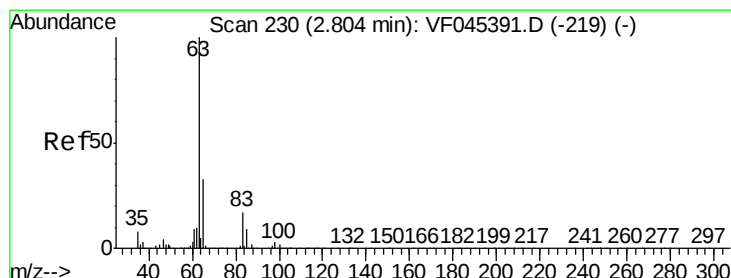
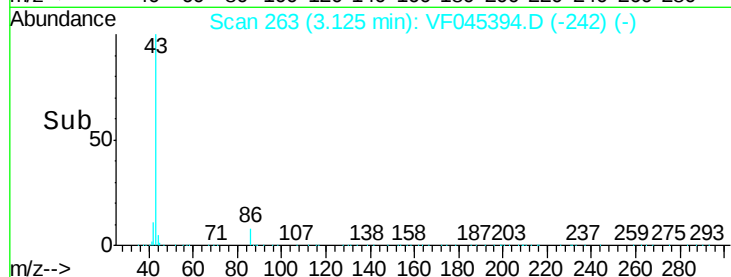
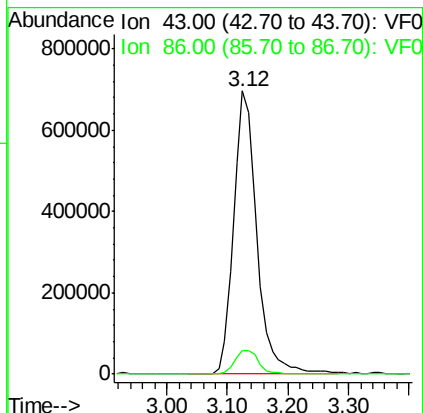
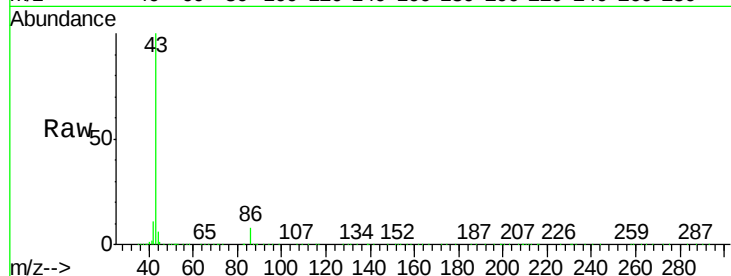
ICVVF091615

Tot Ion: 43 Resp: 1843080

Ion Ratio Lower Upper

43 100

86 8.4 6.3 9.5



#24

1,1-Dichloroethane

Concen: 50.91 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

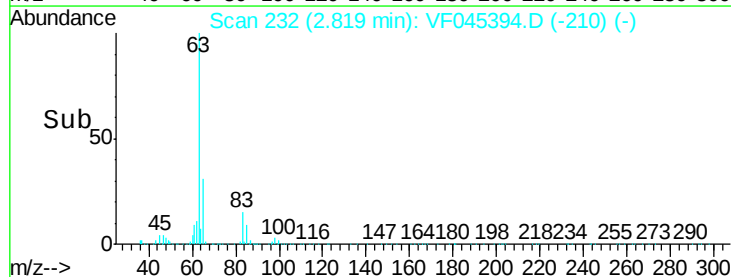
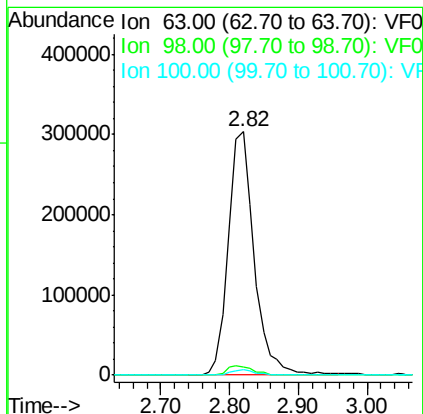
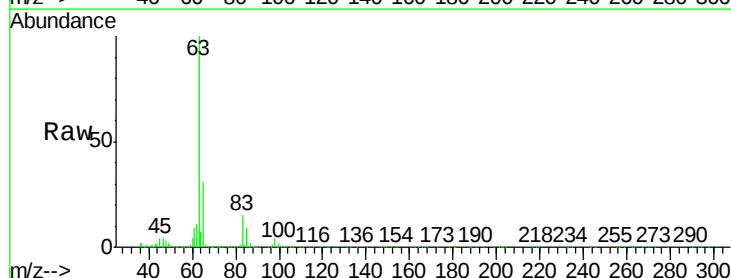
Tgt Ion: 63 Resp: 790411

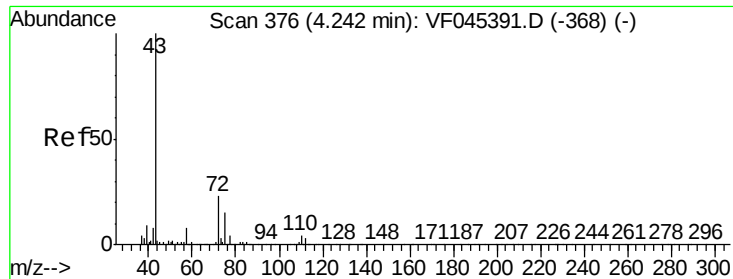
Ion Ratio Lower Upper

63 100

98 3.5 2.2 6.6

100 2.4 1.1 3.5

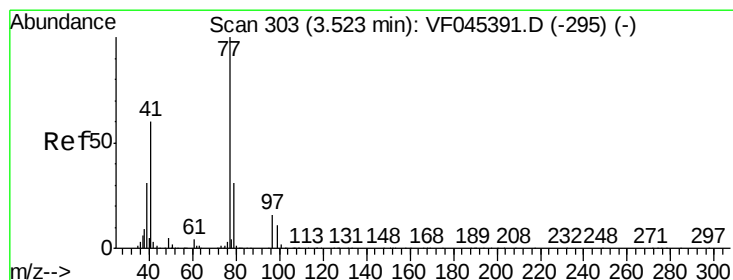
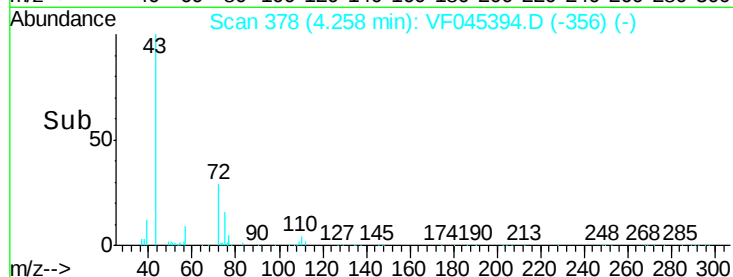
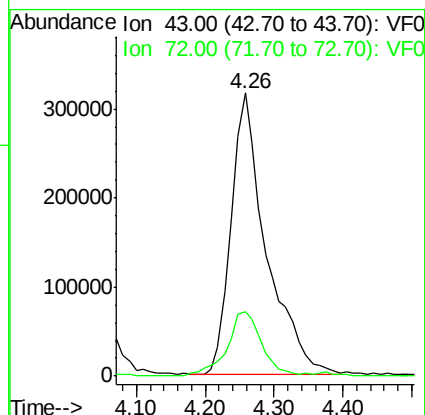
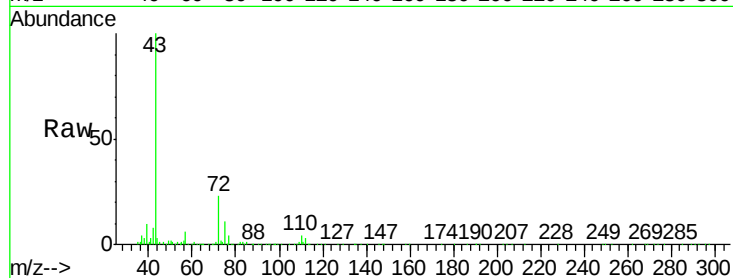




#25
2-Butanone
Concen: 290.61 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

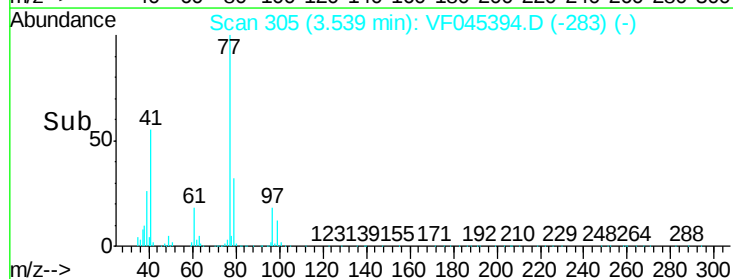
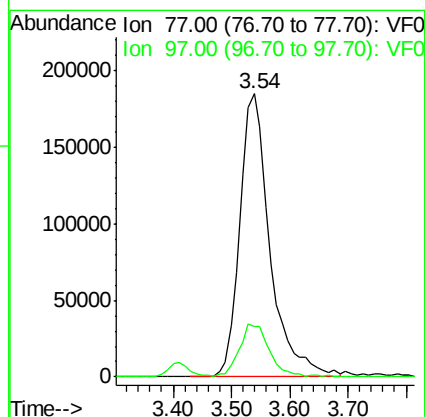
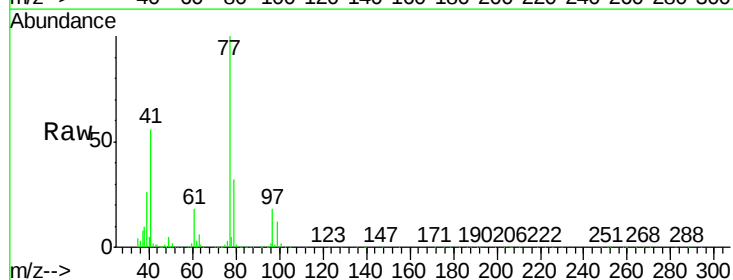
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

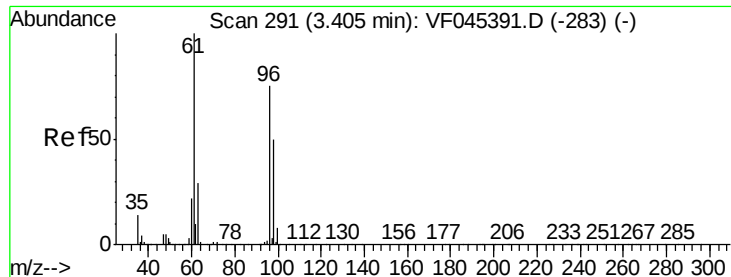
Tot Ion: 43 Resp: 1121197
Ion Ratio Lower Upper
43 100
72 22.7 20.2 30.2



#26
2,2-Dichloropropane
Concen: 46.37 ug/l
RT: 3.54 min Scan# 305
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 77 Resp: 670402
Ion Ratio Lower Upper
77 100
97 18.0 9.2 27.4



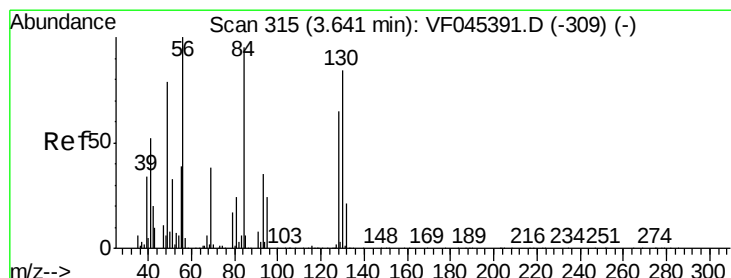
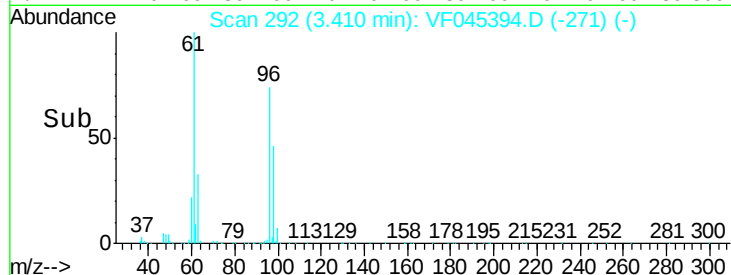
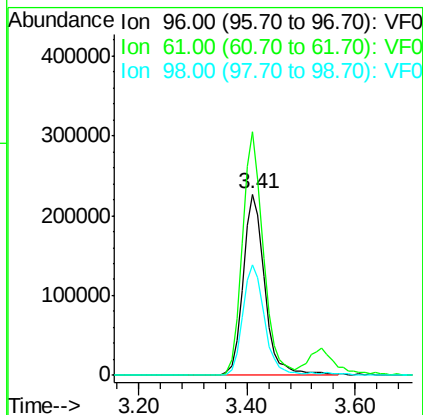
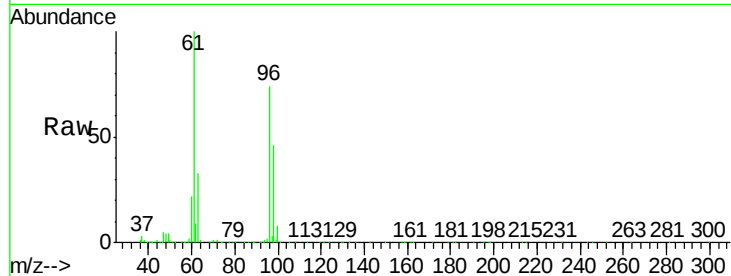


#27

cis-1,2-Dichloroethene
Concen: 52.43 ug/l
RT: 3.41 min Scan# 292
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

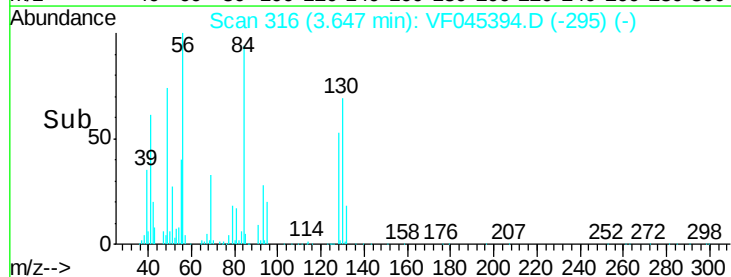
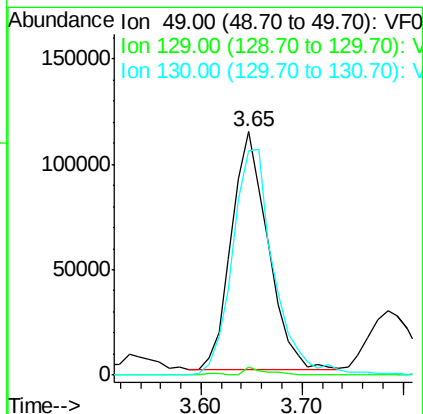
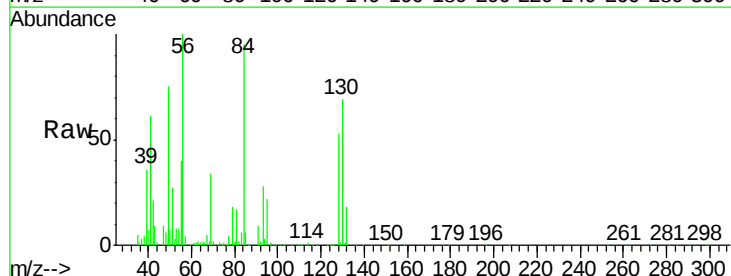
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	268.6
98	61.4	0.0	135.8

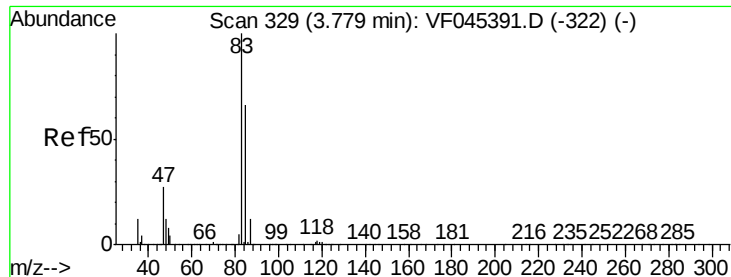


#28

Bromochloromethane
Concen: 47.12 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	0.0#
130	92.1	79.6	119.4





#29

Chloroform

Concen: 51.07 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

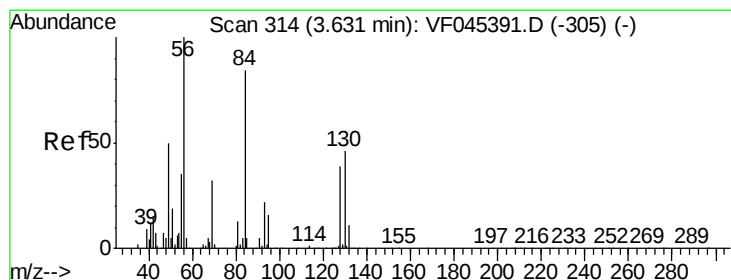
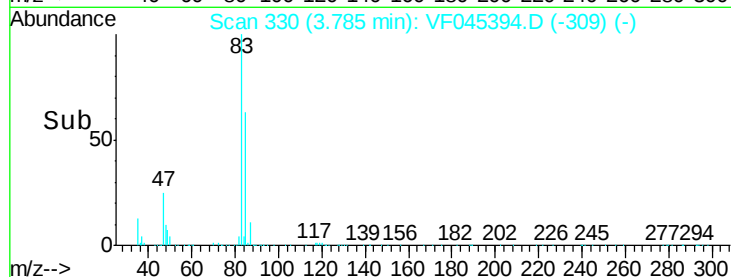
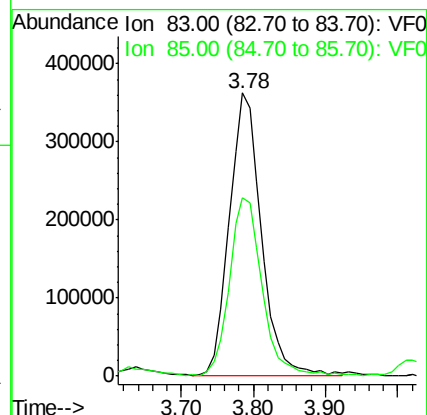
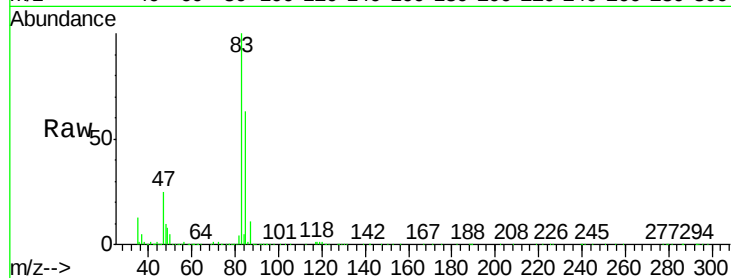
ICVVF091615

Tot Ion: 83 Resp: 1114527

Ion Ratio Lower Upper

83 100

85 63.1 51.6 77.4



#30

Cyclohexane

Concen: 52.45 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

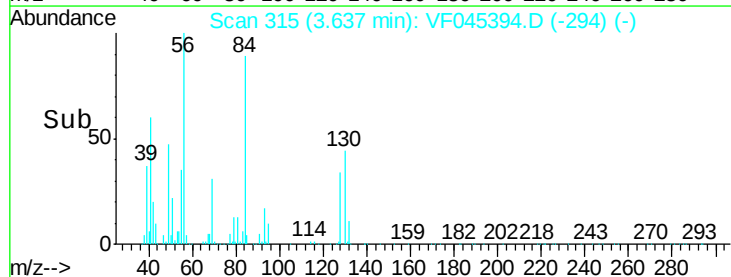
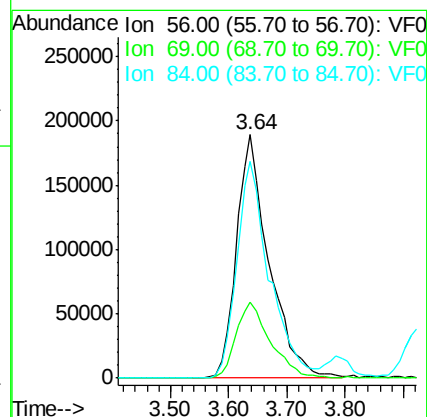
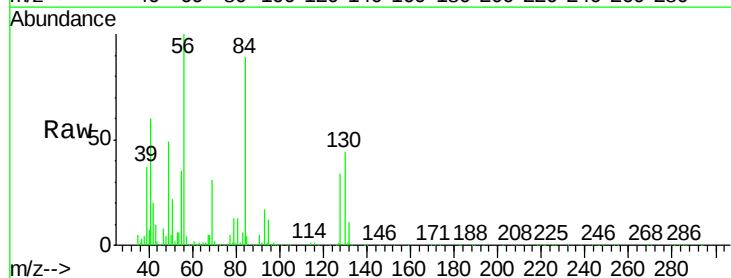
Tgt Ion: 56 Resp: 734816

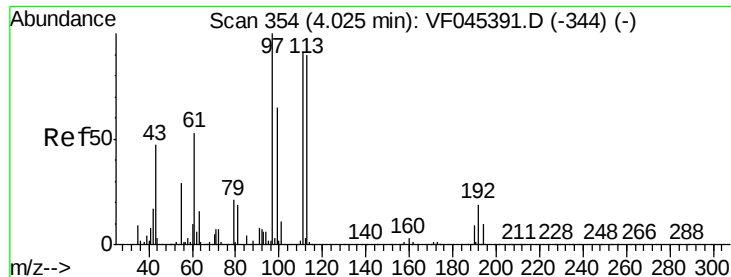
Ion Ratio Lower Upper

56 100

69 31.0 26.1 39.1

84 89.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 49.02 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

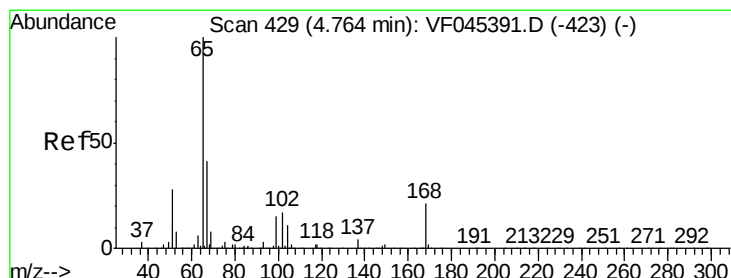
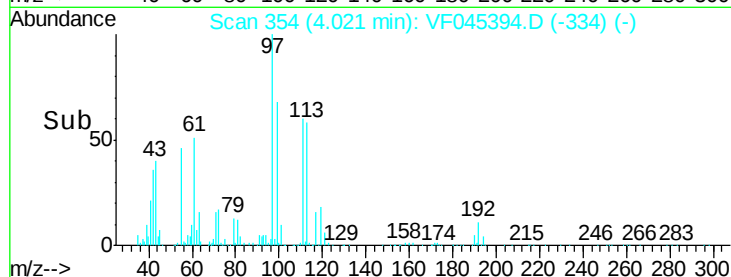
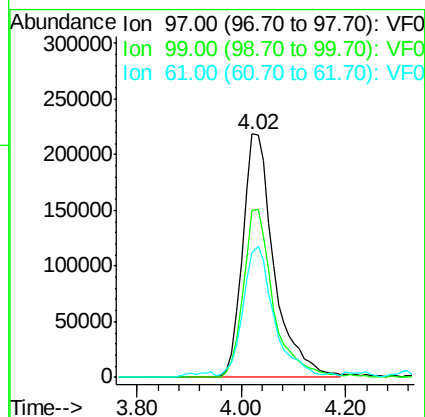
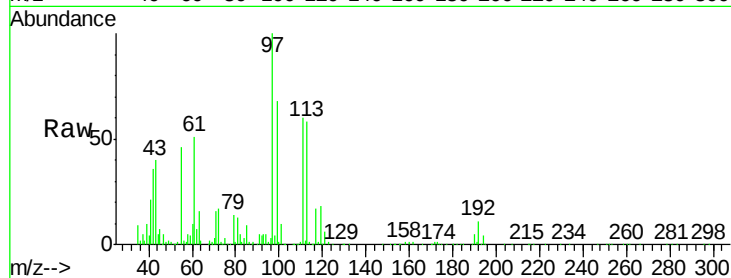
Tot Ion: 97 Resp: 886119

Ion Ratio Lower Upper

97 100

99 68.4 51.1 76.7

61 51.3 37.8 56.6



#32

1,2-Dichloroethane-d4

Concen: 44.51 ug/l

RT: 4.77 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF045394.D

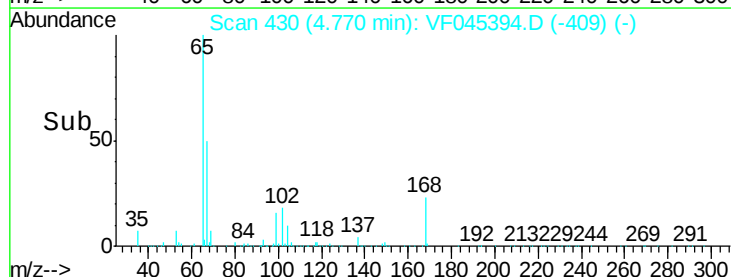
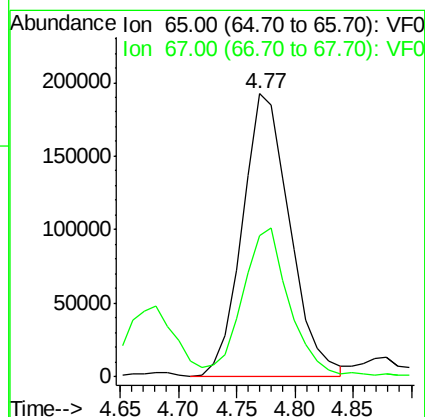
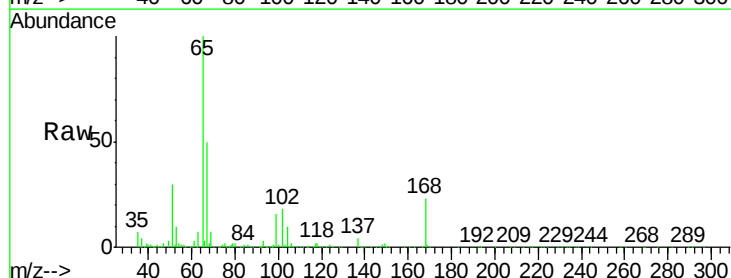
Acq: 16 Sep 2015 16:34

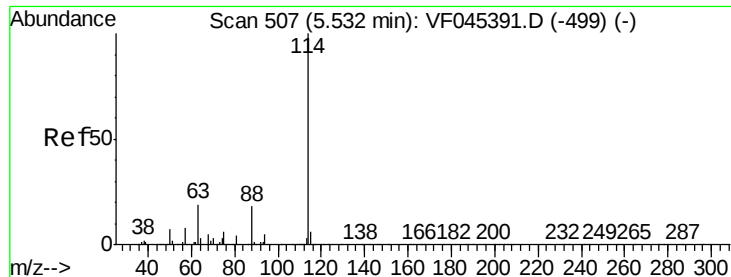
Tgt Ion: 65 Resp: 540770

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.2

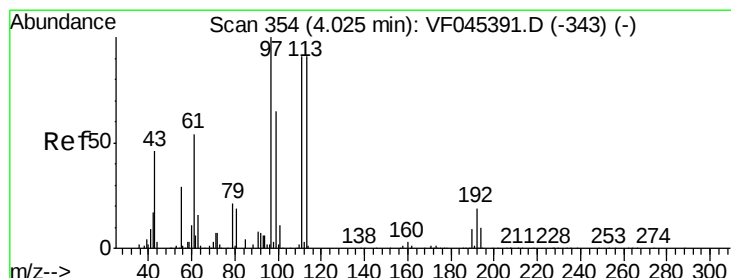
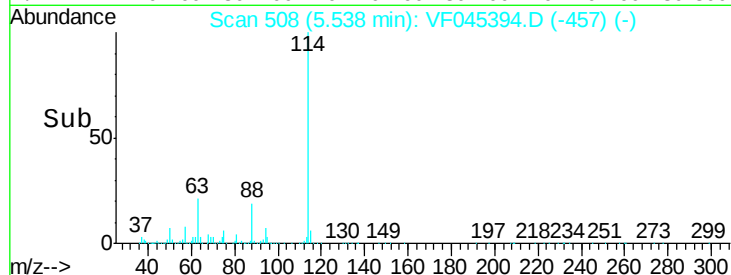
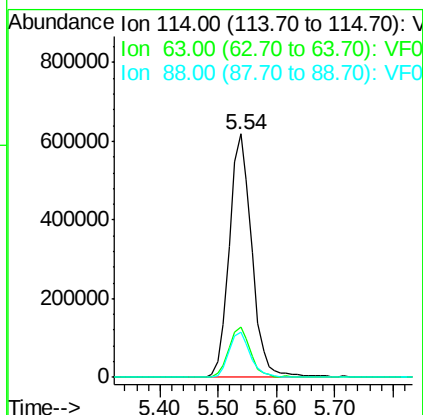
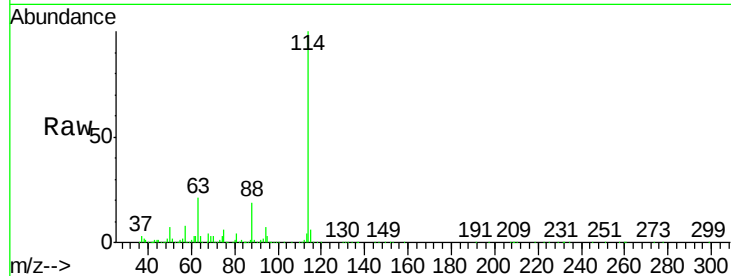




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

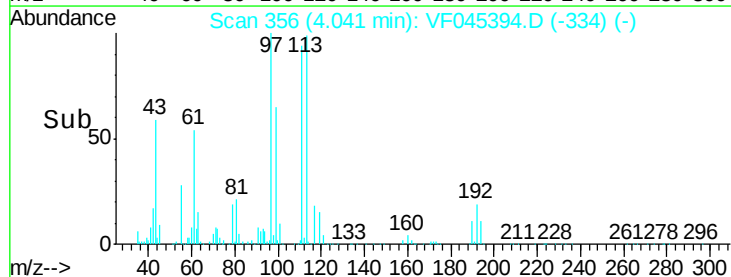
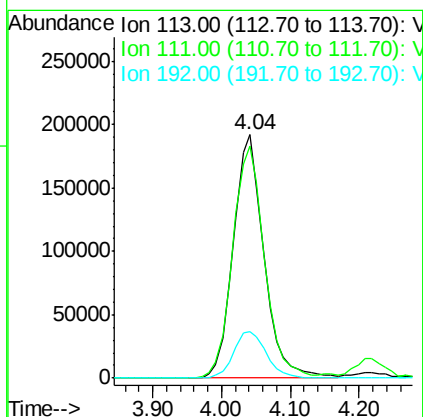
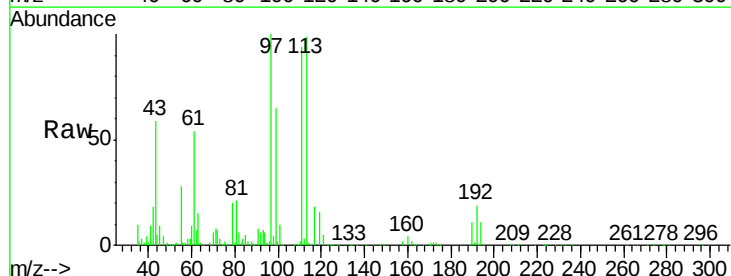
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV091615

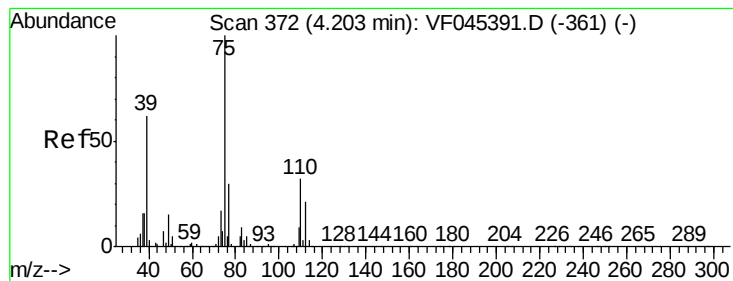
Tot Ion:114 Resp: 1660888
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.2
 88 18.7 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 46.09 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion:113 Resp: 592992
 Ion Ratio Lower Upper
 113 100
 111 95.3 75.5 113.3
 192 19.1 15.6 23.4





#35

1,1-Dichloropropene

Concen: 49.13 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

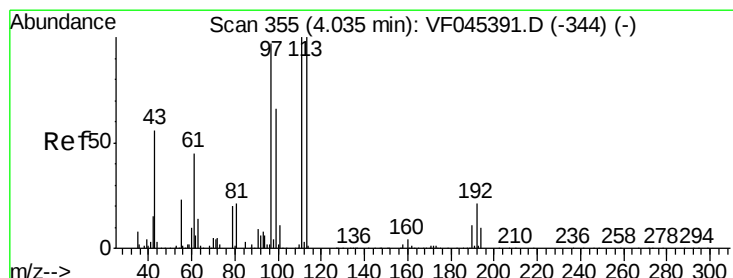
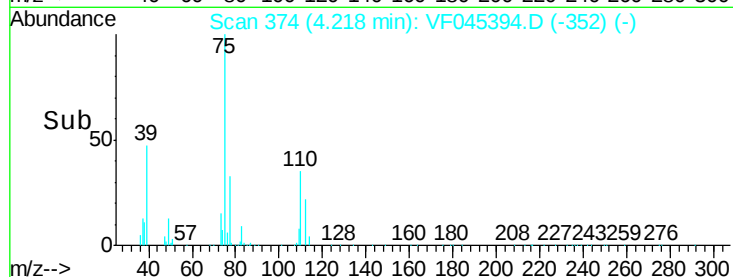
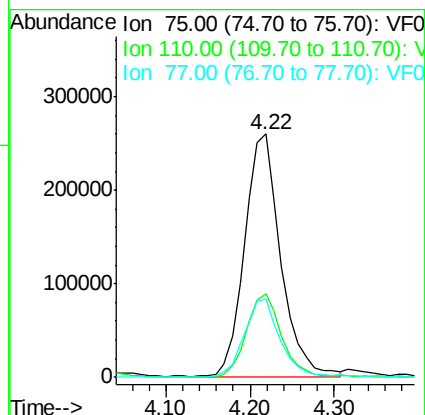
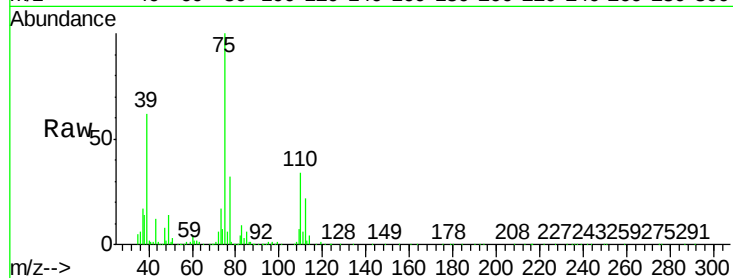
Tot Ion: 75 Resp: 774088

Ion Ratio Lower Upper

75 100

110 34.3 15.9 47.6

77 32.0 24.2 36.4



#36

Ethyl Acetate

Concen: 58.80 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

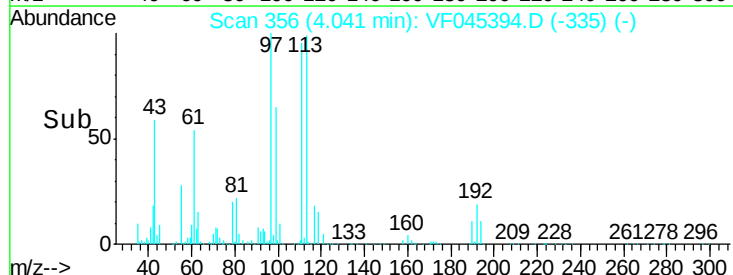
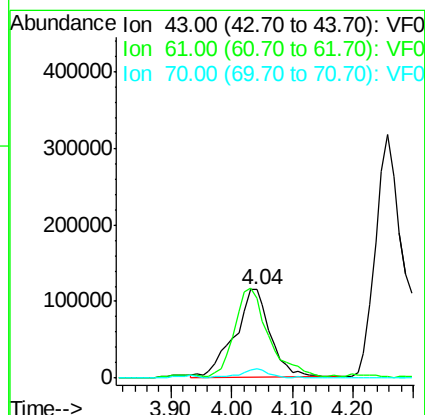
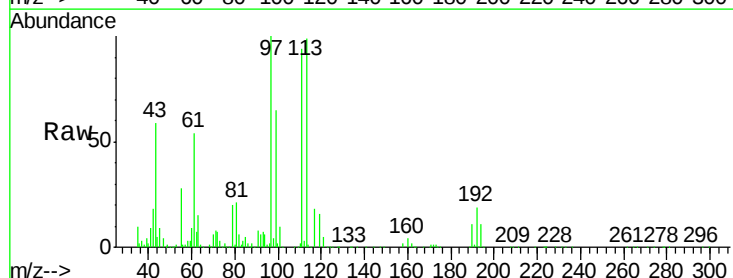
Tgt Ion: 43 Resp: 468774

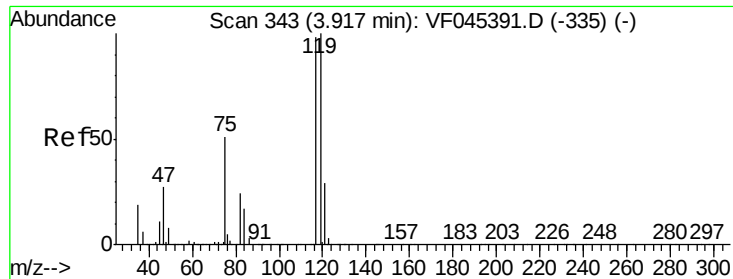
Ion Ratio Lower Upper

43 100

61 90.6 49.4 74.0#

70 10.0 10.8 16.2#





#37

Carbon Tetrachloride

Concen: 52.22 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

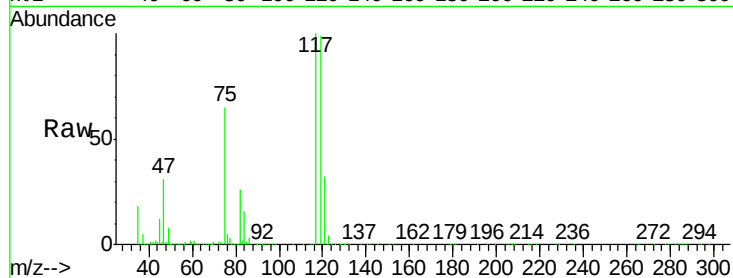
Tot Ion:117 Resp: 866764

Ion Ratio Lower Upper

117 100

119 99.3 77.8 116.8

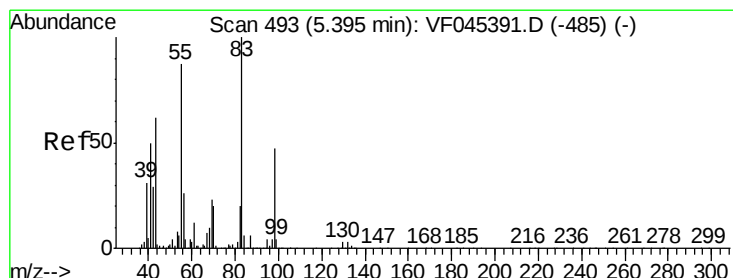
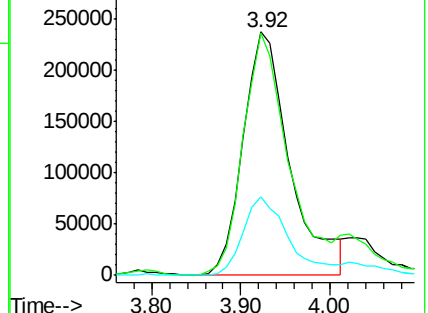
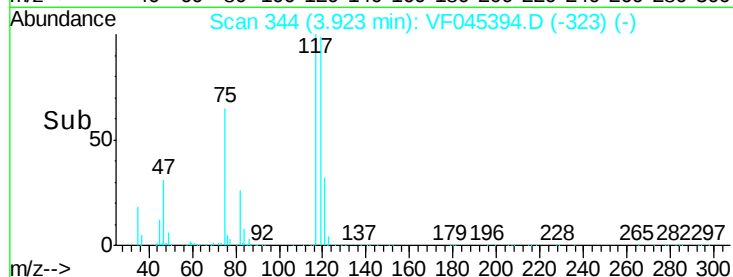
121 32.4 25.4 38.0



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: 45.65 ug/l

RT: 5.40 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

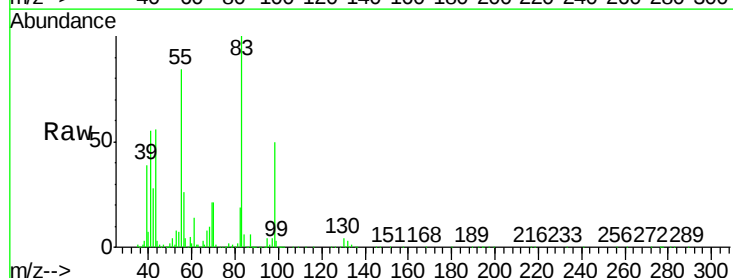
Tgt Ion: 83 Resp: 773155

Ion Ratio Lower Upper

83 100

55 83.5 60.5 90.7

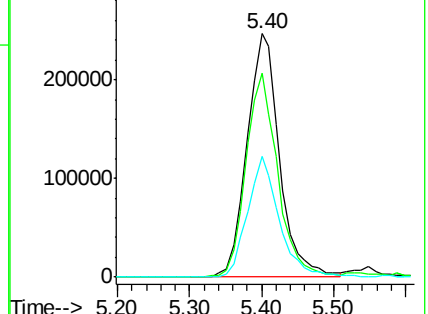
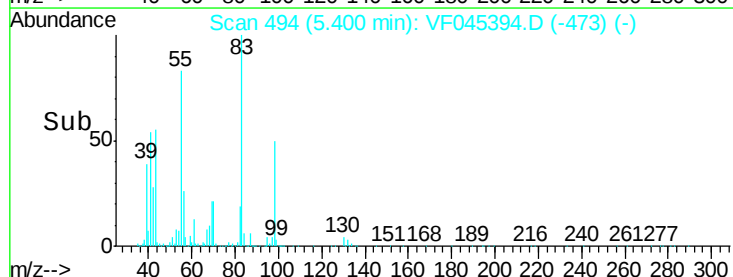
98 49.8 38.1 57.1

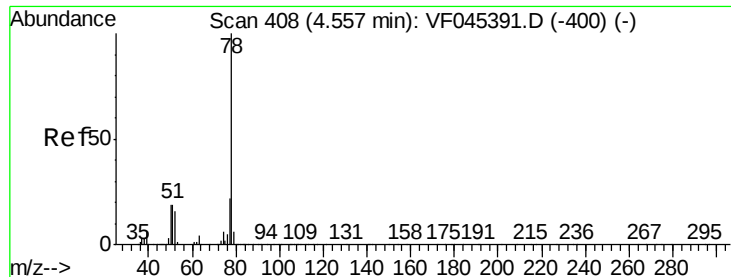


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 52.88 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

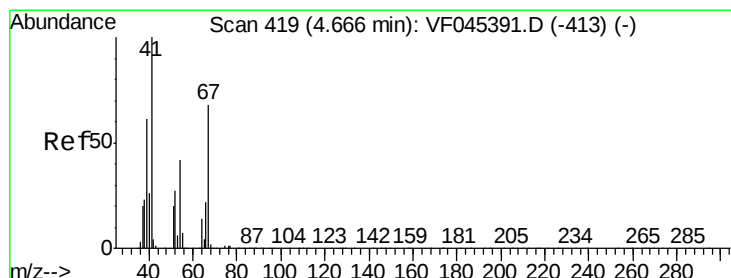
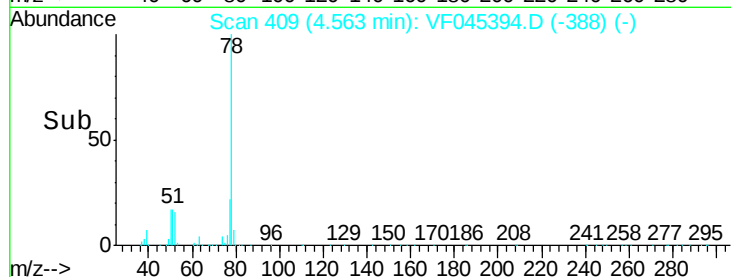
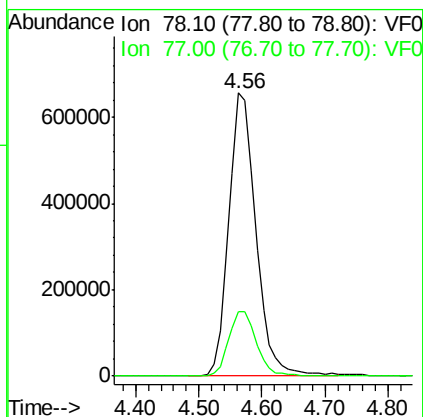
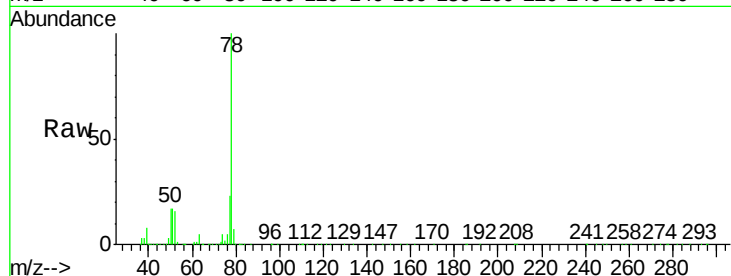
ICVVF091615

Tot Ion: 78 Resp: 1948133

Ion Ratio Lower Upper

78 100

77 22.6 18.6 28.0



#40

Methacrylonitrile

Concen: 57.55 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 41 Resp: 217170

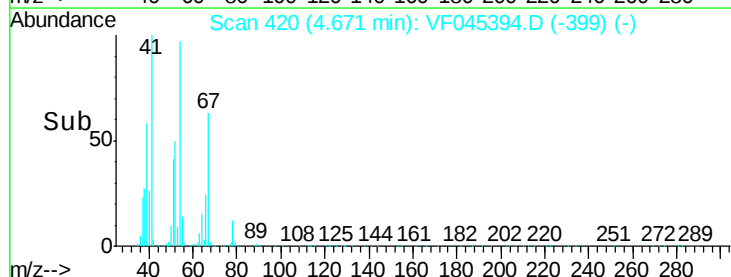
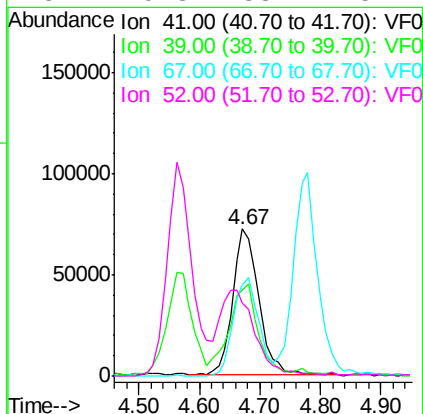
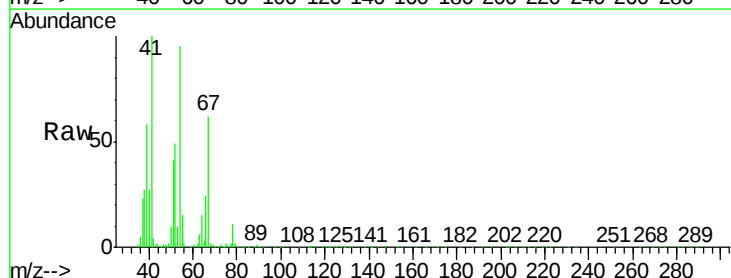
Ion Ratio Lower Upper

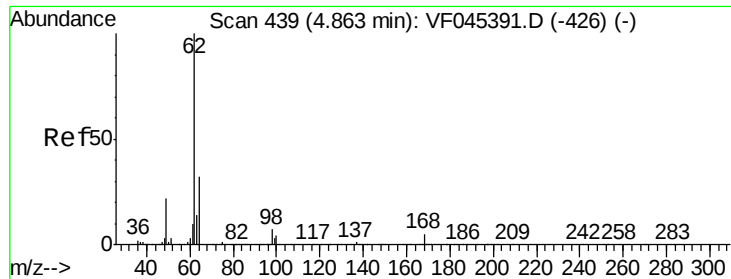
41 100

39 57.9 44.9 67.3

67 61.8 49.0 73.4

52 49.3 38.2 57.2





#41

1,2-Dichloroethane

Concen: 52.67 ug/l

RT: 4.87 min Scan# 440

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

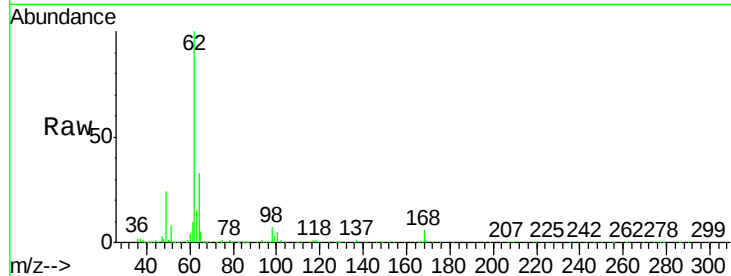
ICVVF091615

Tot Ion: 62 Resp: 782703

Ion Ratio Lower Upper

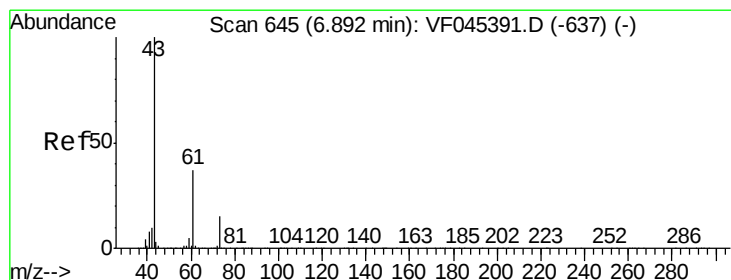
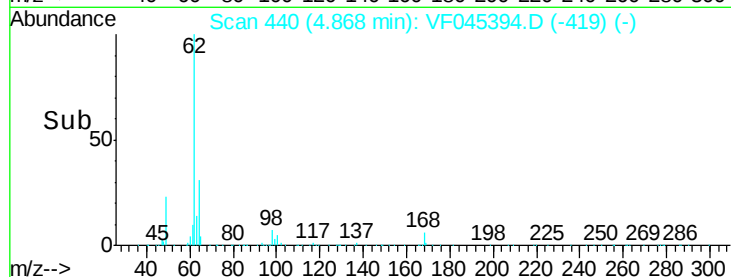
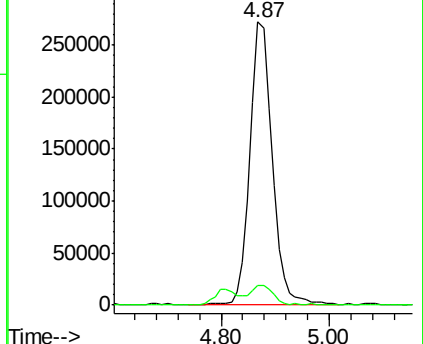
62 100

98 7.1 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#42

Isopropyl Acetate

Concen: 60.92 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

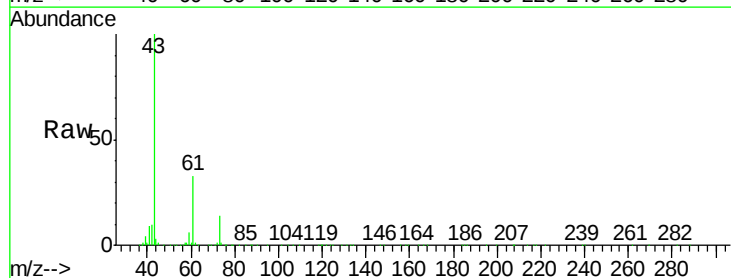
Tgt Ion: 43 Resp: 639971

Ion Ratio Lower Upper

43 100

61 33.3 29.8 44.6

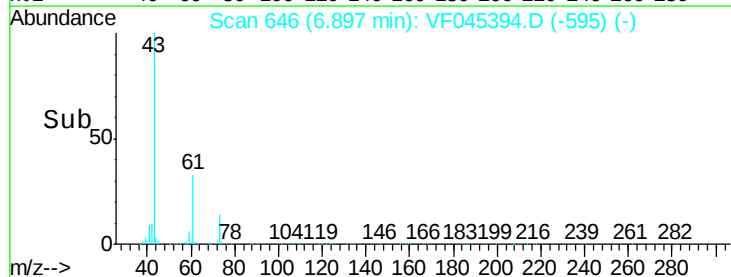
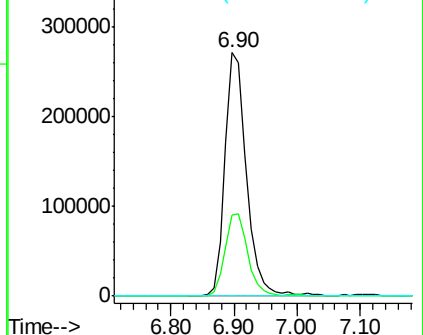
87 0.4 0.2 0.2#

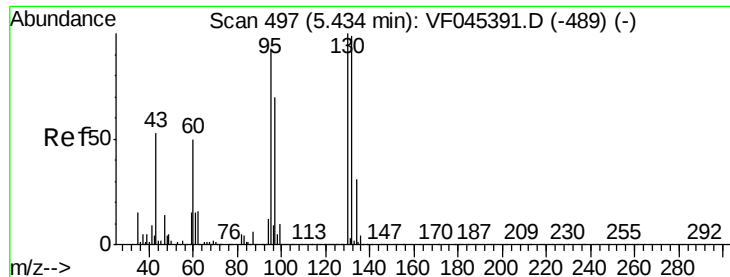


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#43

Trichloroethene

Concen: 47.34 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

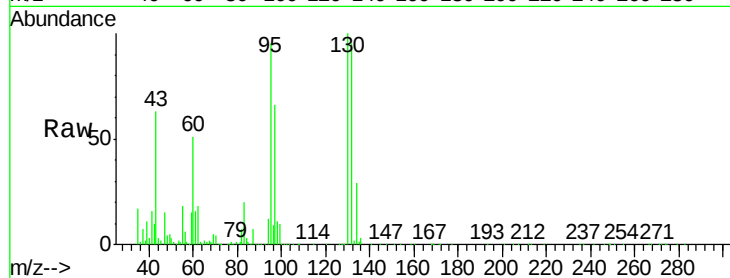
ICVVF091615

Tot Ion:130 Resp: 595596

Ion Ratio Lower Upper

130 100

95 95.2 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.44

250000

200000

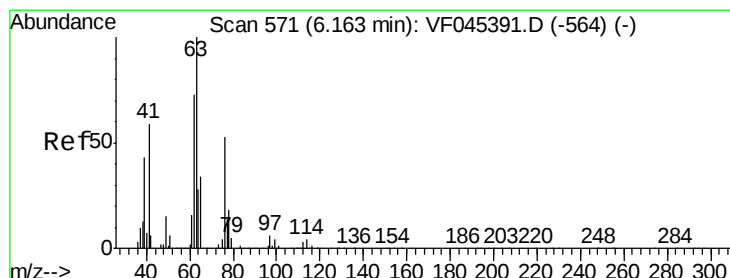
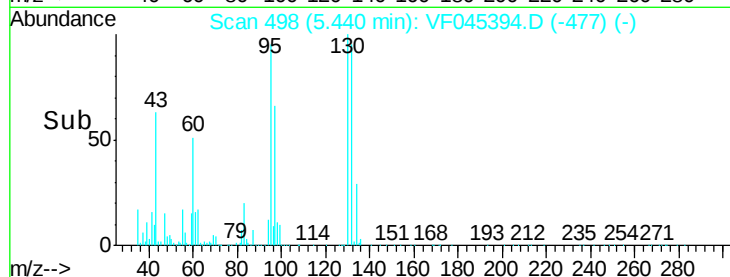
150000

100000

50000

0

Time-->



#44

1,2-Dichloropropane

Concen: 53.39 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045394.D

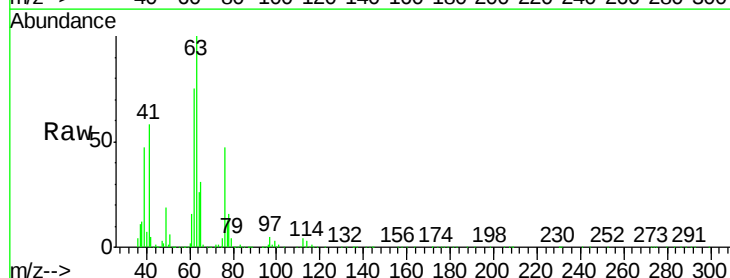
Acq: 16 Sep 2015 16:34

Tgt Ion: 63 Resp: 572980

Ion Ratio Lower Upper

63 100

65 31.1 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.17

250000

200000

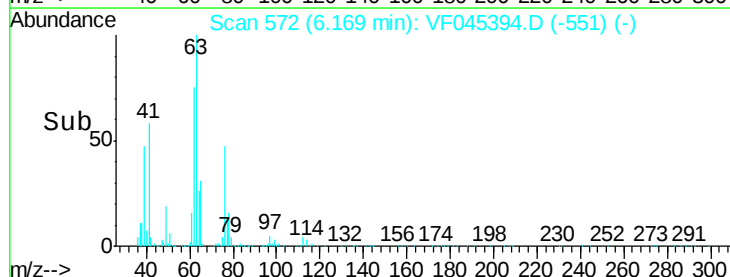
150000

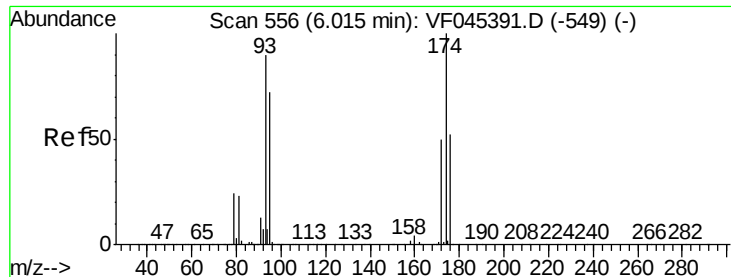
100000

50000

0

Time-->

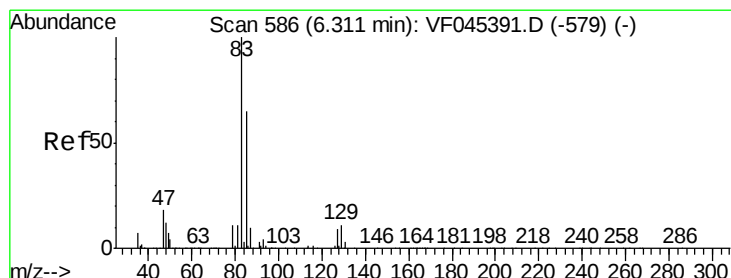
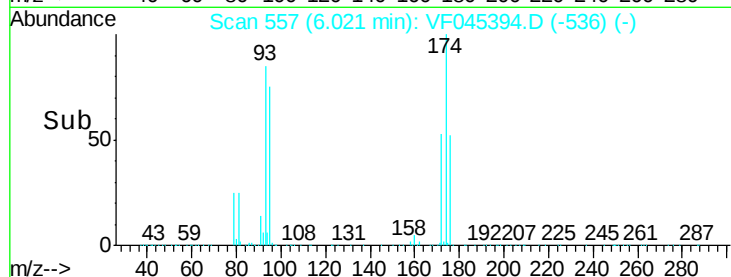
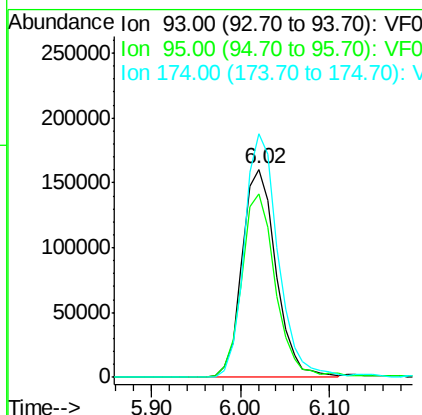
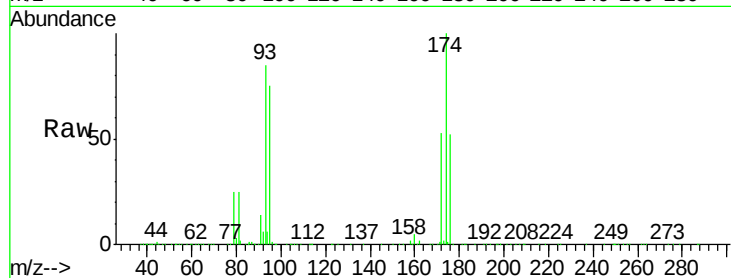




#45
Dibromomethane
Concen: 55.48 ug/l
RT: 6.02 min Scan# 557
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

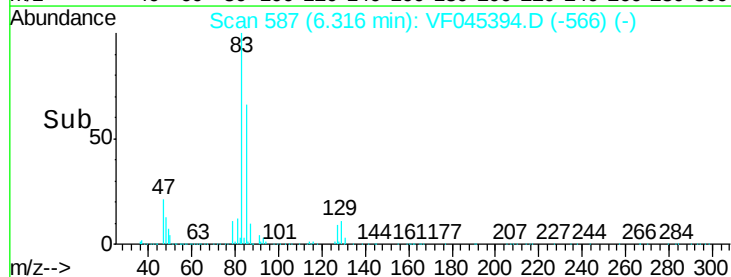
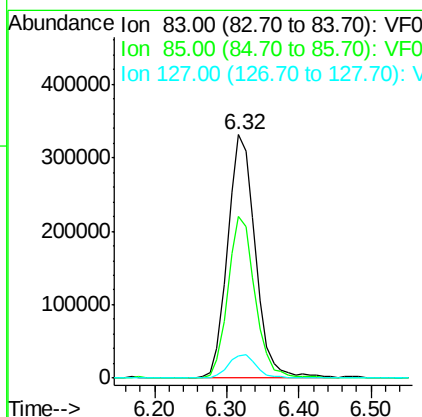
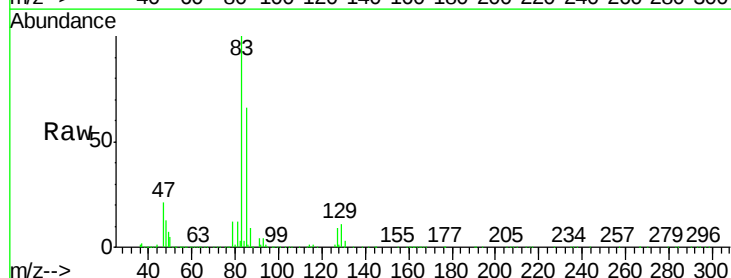
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

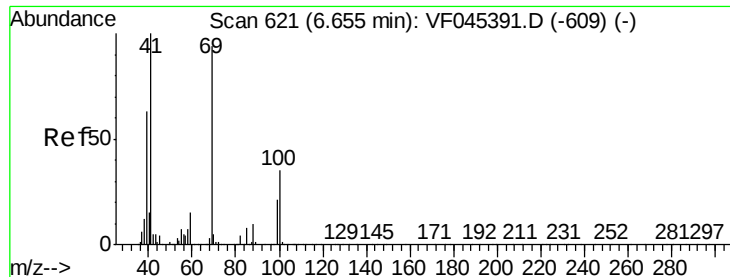
Tot Ion: 93 Resp: 423735
Ion Ratio Lower Upper
93 100
95 88.3 69.8 104.6
174 117.0 90.5 135.7



#46
Bromodichloromethane
Concen: 51.95 ug/l
RT: 6.32 min Scan# 587
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 83 Resp: 888378
Ion Ratio Lower Upper
83 100
85 66.4 50.6 75.8
127 9.1 7.7 11.5

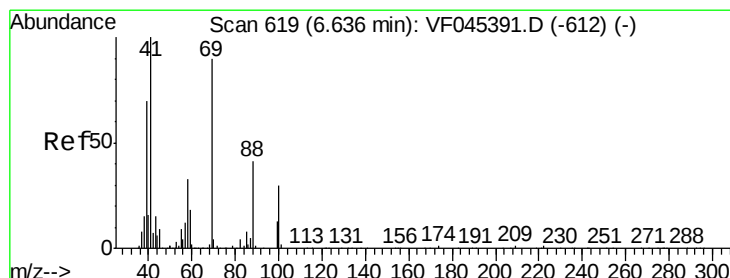
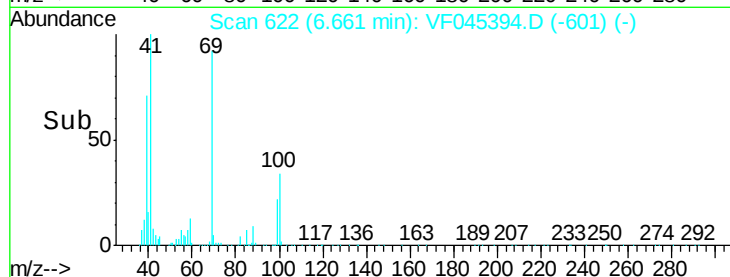
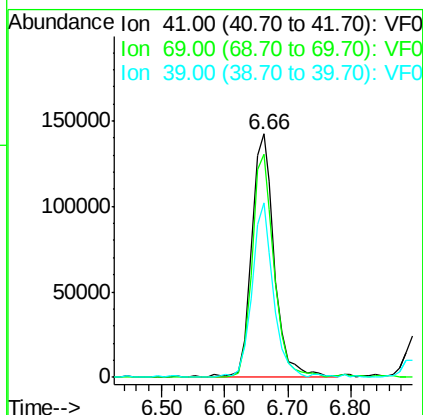
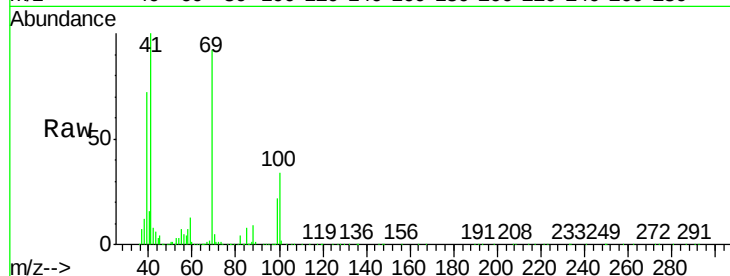




#47
Methvl methacrilate
Concen: 55.66 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

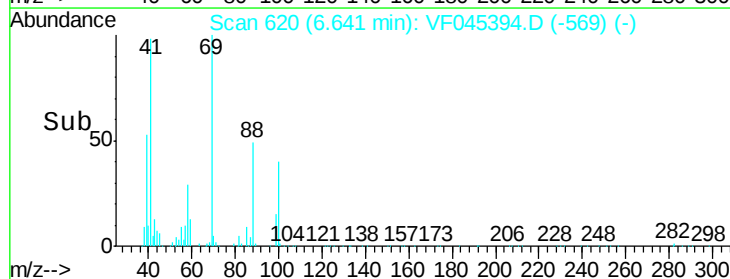
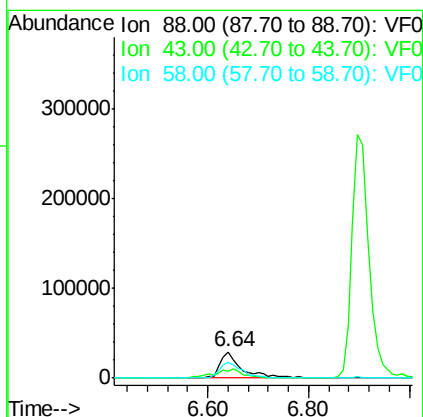
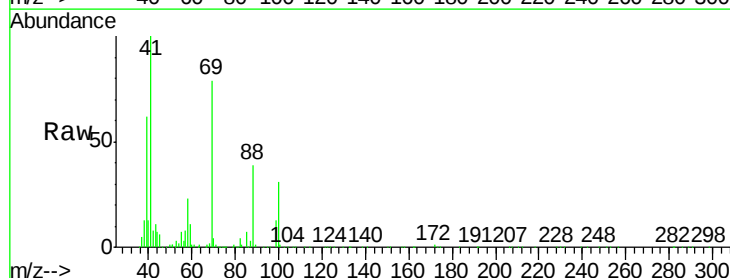
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

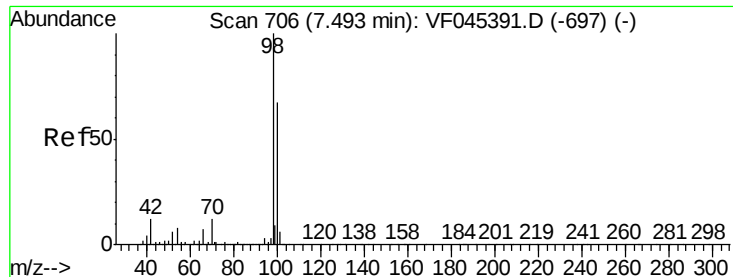
Tot Ion: 41 Resp: 354881
Ion Ratio Lower Upper
41 100
69 91.8 63.3 94.9
39 71.6 48.9 73.3



#48
1,4-Dioxane
Concen: 1160.62 ug/l
RT: 6.64 min Scan# 620
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 88 Resp: 88641
Ion Ratio Lower Upper
88 100
43 28.4 34.5 51.7#
58 58.6 46.5 69.7





#49

Toluene-d8

Concen: 46.41 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

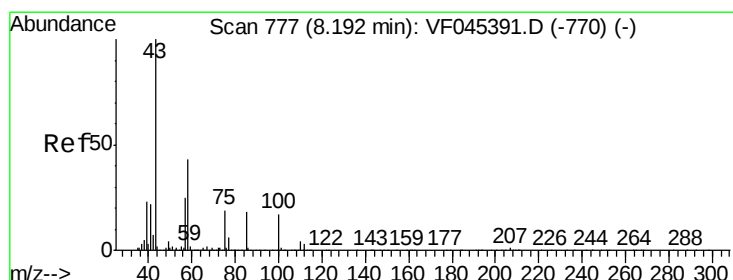
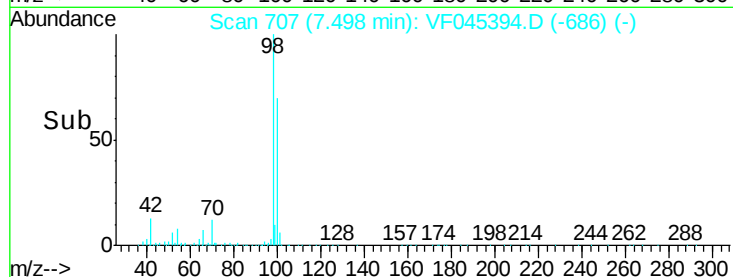
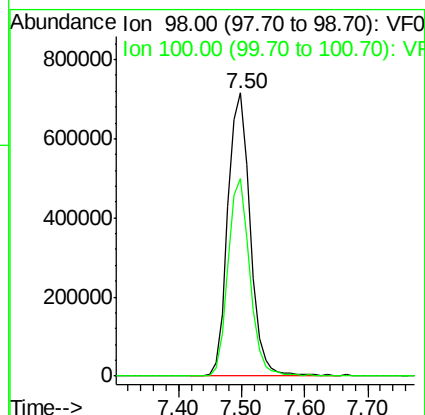
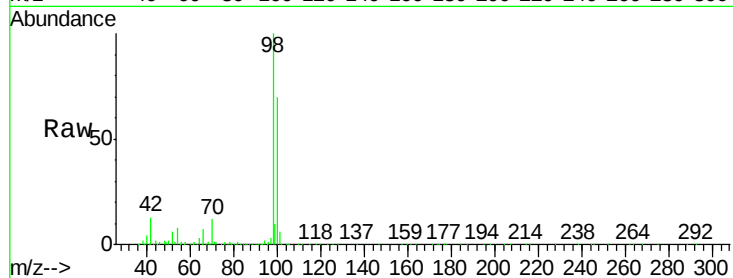
ICVVF091615

Tot Ion: 98 Resp: 1759115

Ion Ratio Lower Upper

98 100

100 70.0 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 297.69 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF045394.D

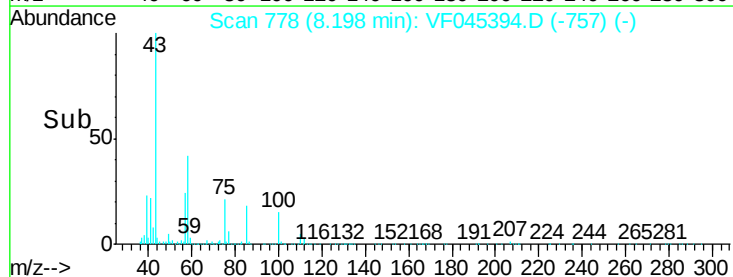
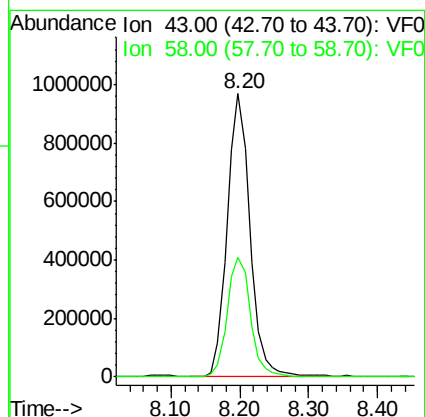
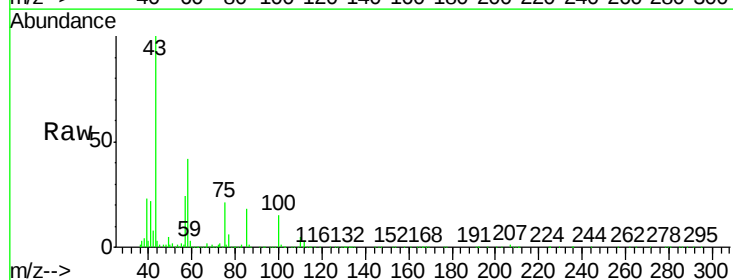
Acq: 16 Sep 2015 16:34

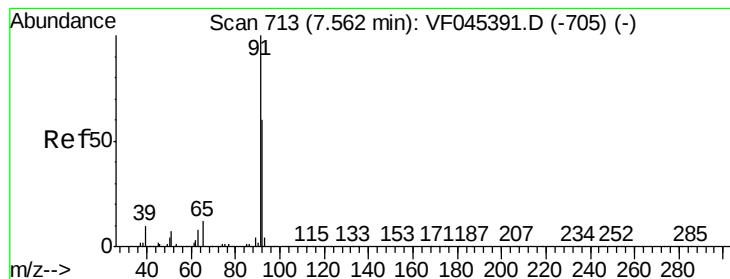
Tgt Ion: 43 Resp: 2223544

Ion Ratio Lower Upper

43 100

58 42.3 33.6 50.4





#51

Toluene

Concen: 51.65 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

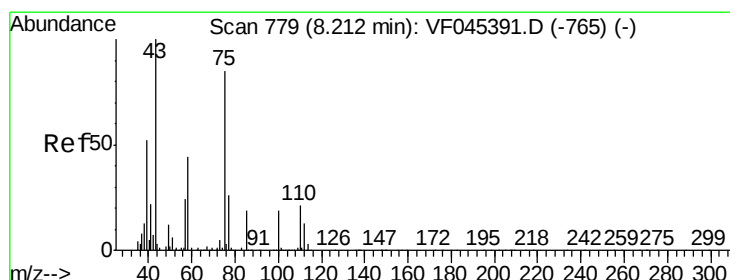
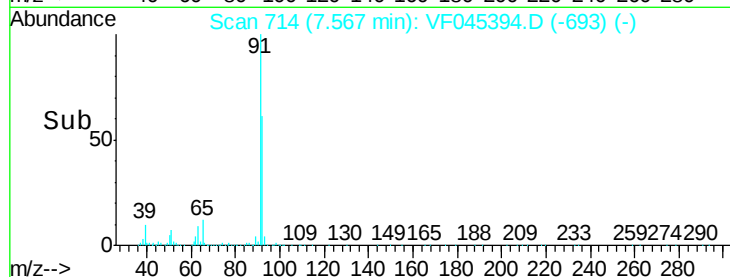
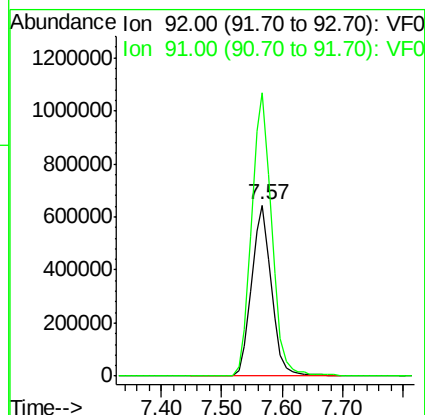
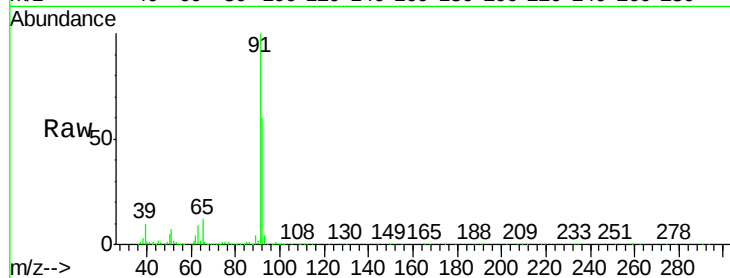
ICVVF091615

Tot Ion: 92 Resp: 1466041

Ion Ratio Lower Upper

92 100

91 165.3 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 54.88 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF045394.D

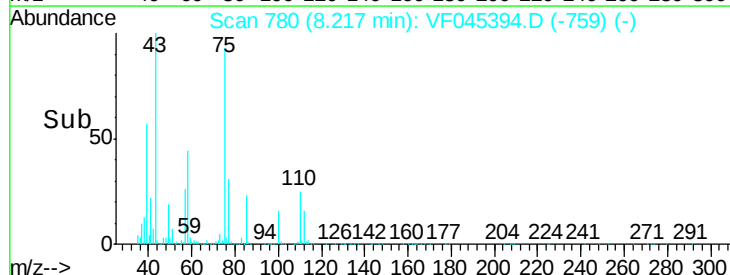
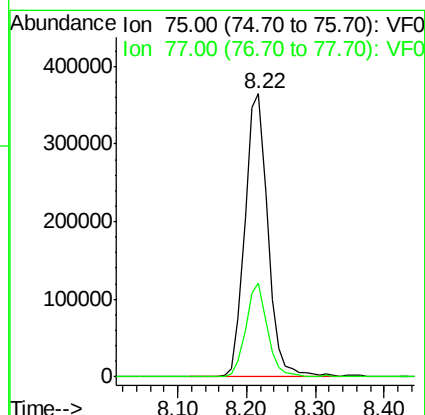
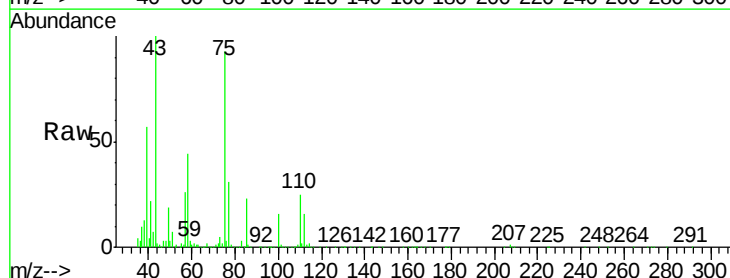
Acq: 16 Sep 2015 16:34

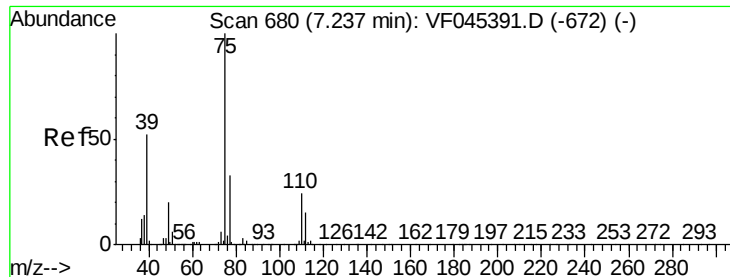
Tgt Ion: 75 Resp: 843544

Ion Ratio Lower Upper

75 100

77 33.0 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 55.53 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

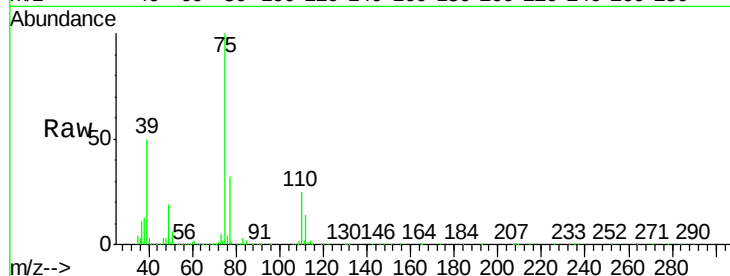
Tot Ion: 75 Resp: 1008089

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

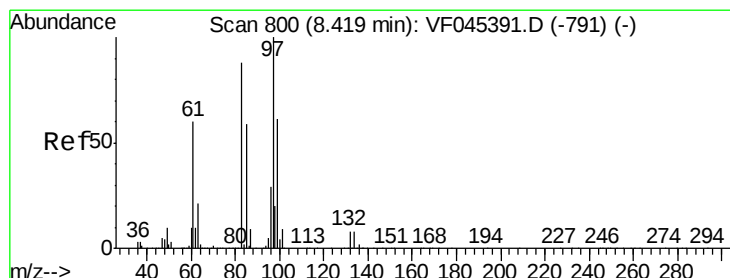
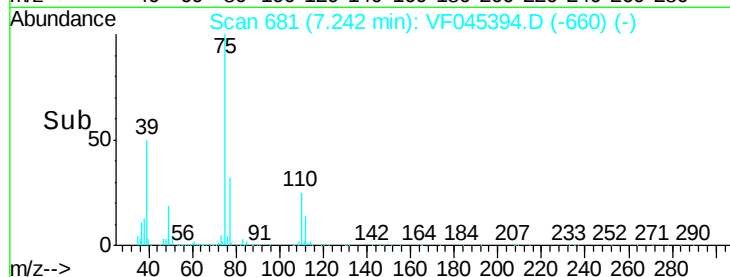
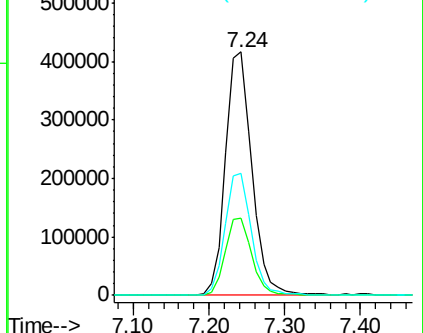
39 50.2 41.6 62.4



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: 52.05 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 97 Resp: 499741

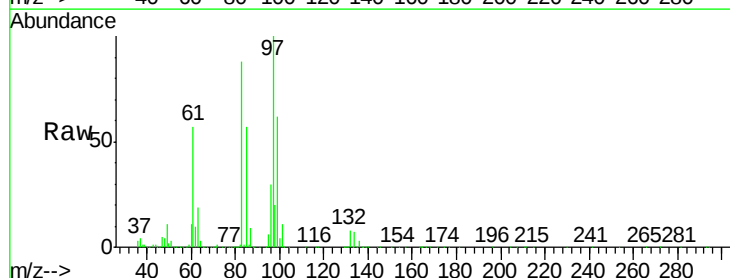
Ion Ratio Lower Upper

97 100

83 87.5 70.1 105.1

85 56.9 47.4 71.2

99 62.4 50.6 75.8

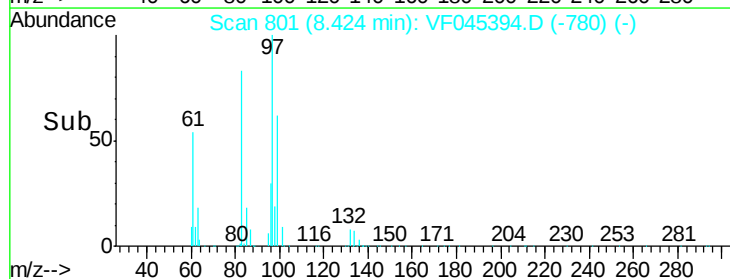
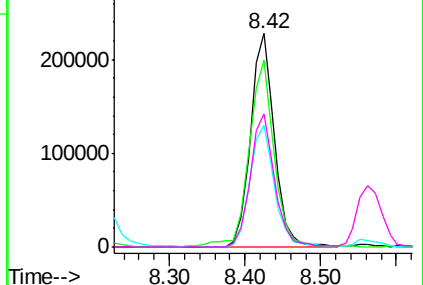


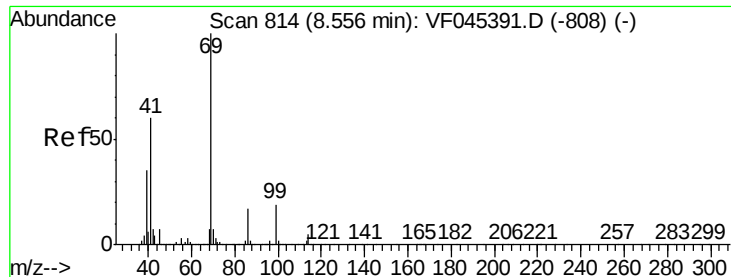
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 56.89 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

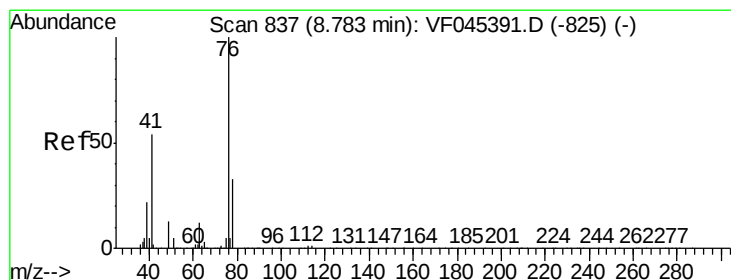
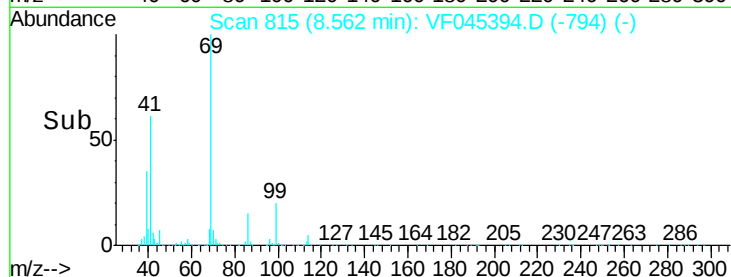
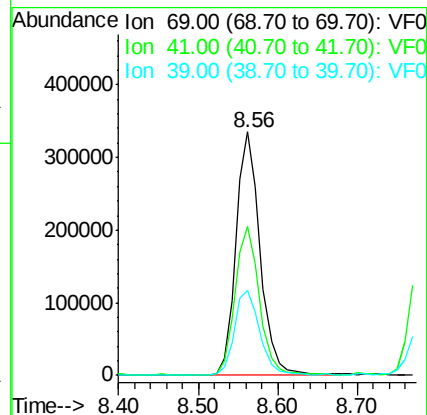
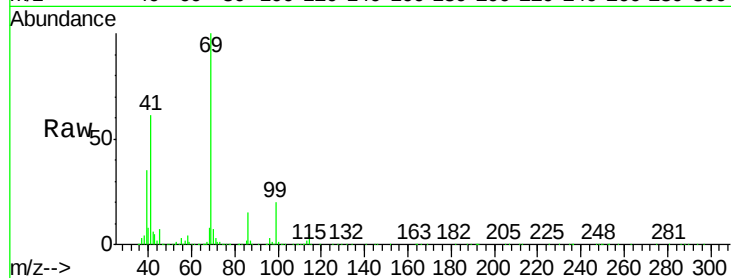
Tot Ion: 69 Resp: 710517

Ion Ratio Lower Upper

69 100

41 61.3 51.0 76.4

39 35.0 29.1 43.7



#56

1,3-Dichloropropane

Concen: 51.59 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.01 min

Lab File: VF045394.D

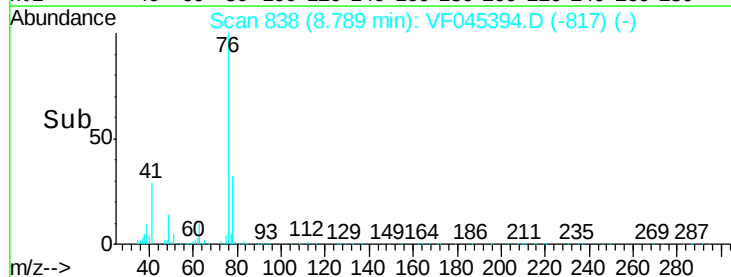
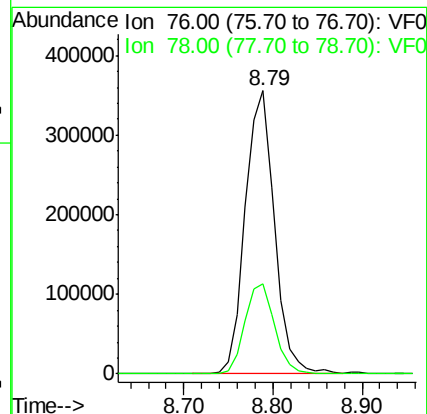
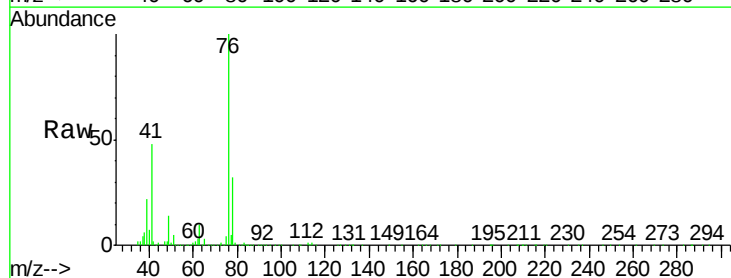
Acq: 16 Sep 2015 16:34

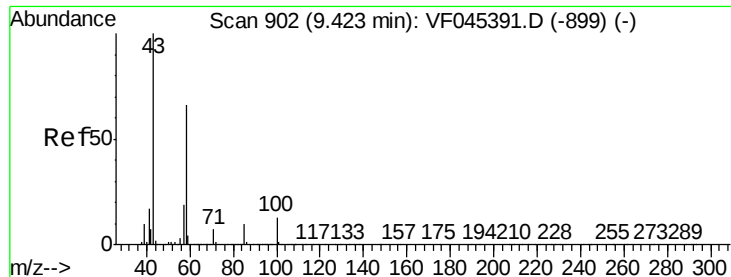
Tgt Ion: 76 Resp: 807877

Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1

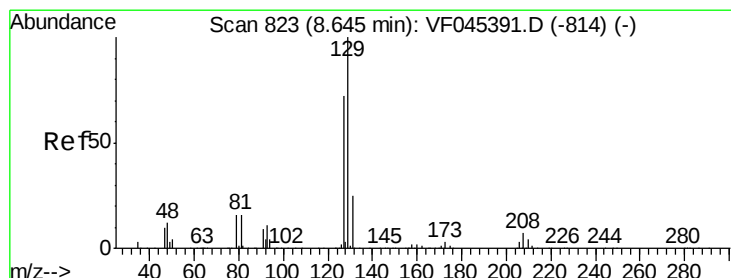
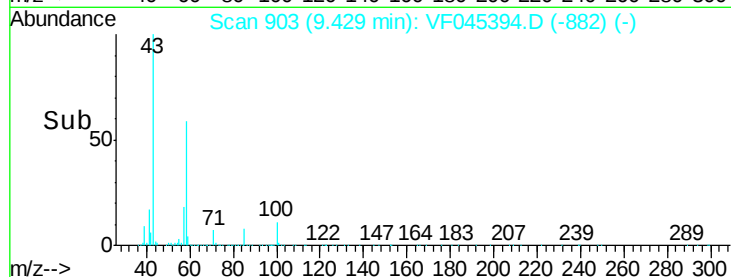
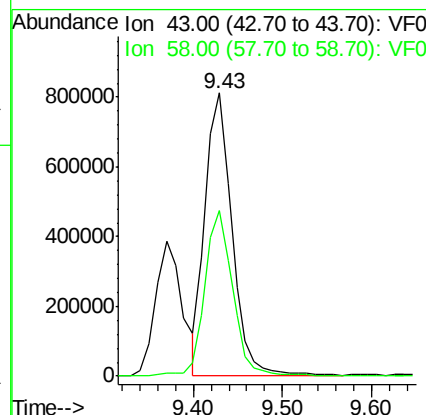
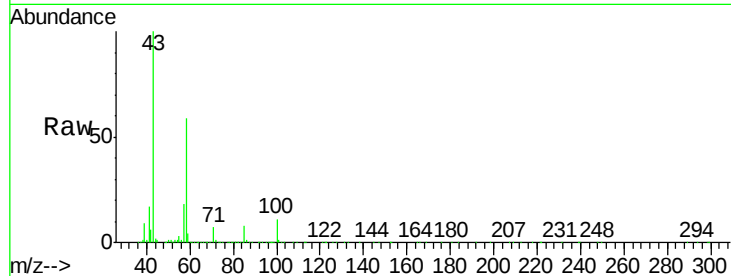




#58
2-Hexanone
Concen: 284.40 ug/l
RT: 9.43 min Scan# 903
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

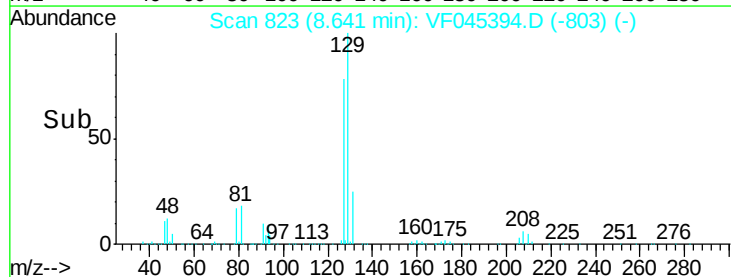
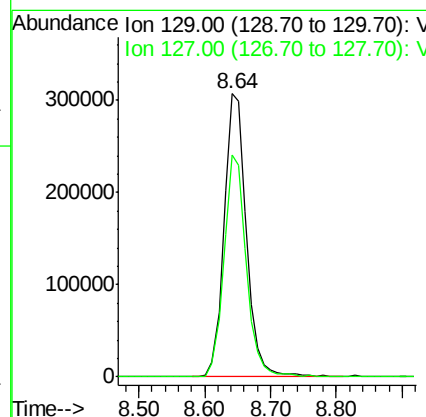
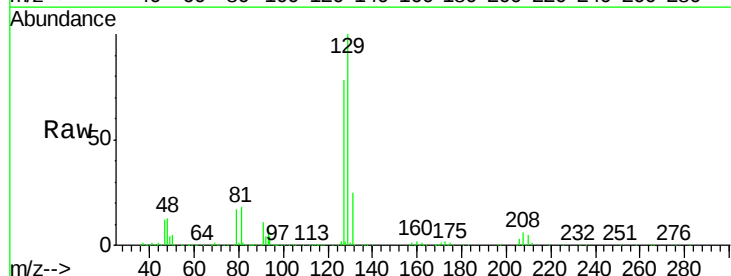
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

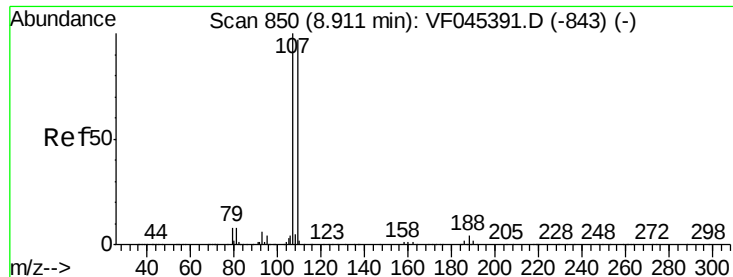
Tot Ion: 43 Resp: 1690842
Ion Ratio Lower Upper
43 100
58 58.5 28.8 86.5



#59
Dibromochloromethane
Concen: 53.36 ug/l
RT: 8.64 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 129 Resp: 726006
Ion Ratio Lower Upper
129 100
127 78.3 38.2 114.6

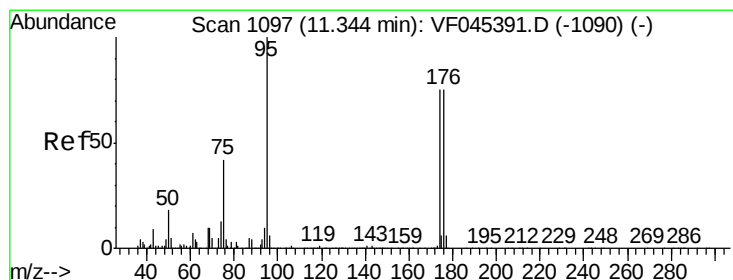
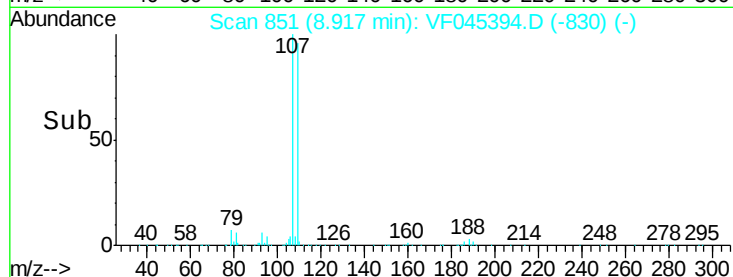
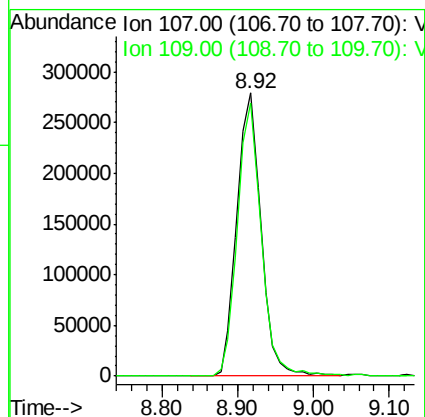
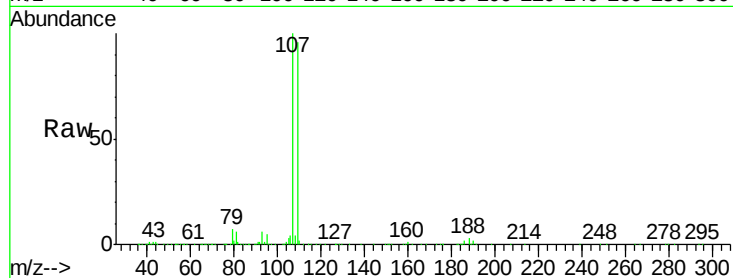




#60
 1,2-Dibromoethane
 Concen: 56.68 ug/l
 RT: 8.92 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

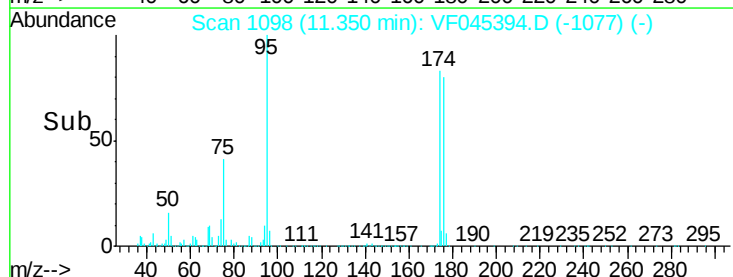
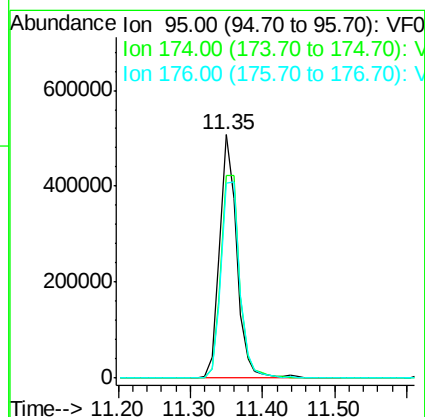
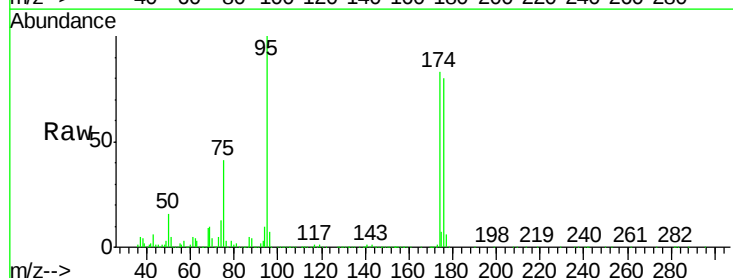
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

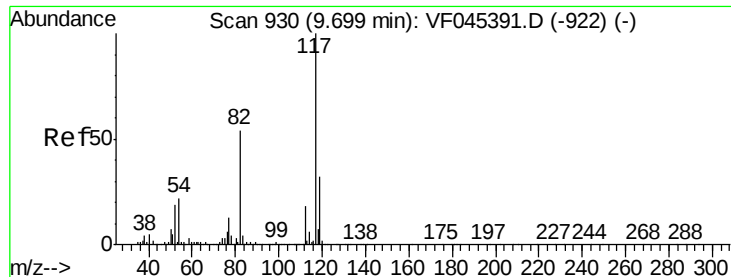
Tot Ion:107 Resp: 617538
 Ion Ratio Lower Upper
 107 100
 109 96.5 79.4 119.0



#61
 4-Bromofluorobenzene
 Concen: 45.33 ug/l
 RT: 11.35 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion: 95 Resp: 825861
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 177.8
 176 80.1 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.70 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

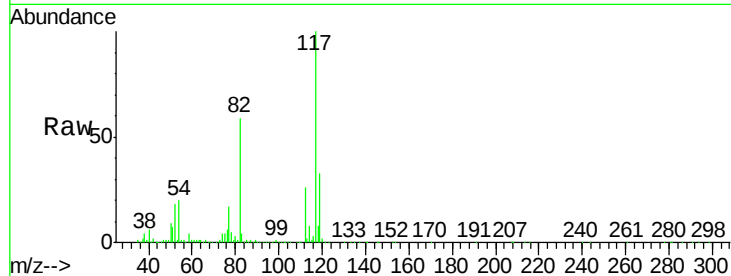
Tot Ion:117 Resp: 1575428

Ion Ratio Lower Upper

117 100

82 58.7 45.0 67.6

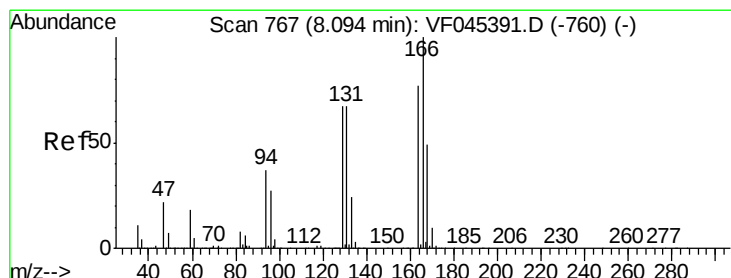
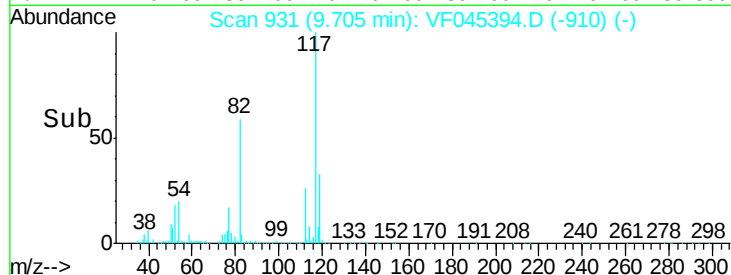
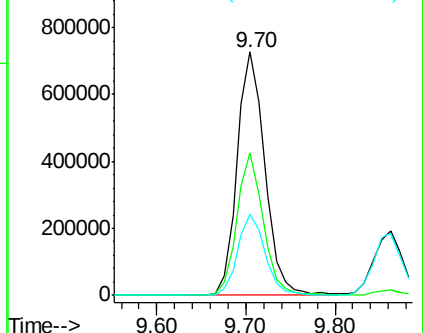
119 33.1 26.2 39.4



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: 53.01 ug/l

RT: 8.09 min Scan# 767

Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:164 Resp: 663522

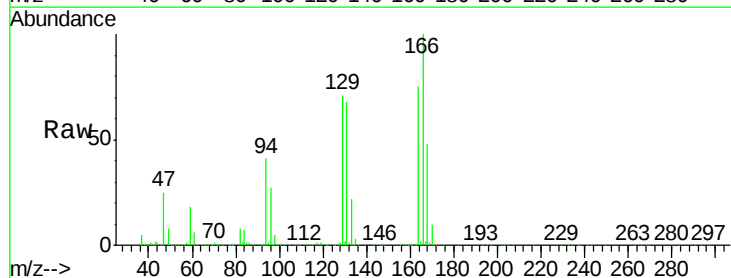
Ion Ratio Lower Upper

164 100

166 133.0 106.0 159.0

129 93.9 69.8 104.6

131 90.3 68.2 102.4

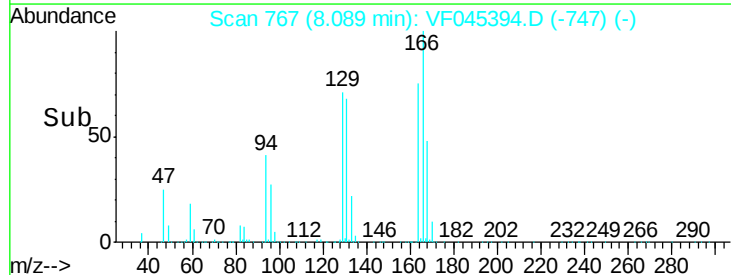
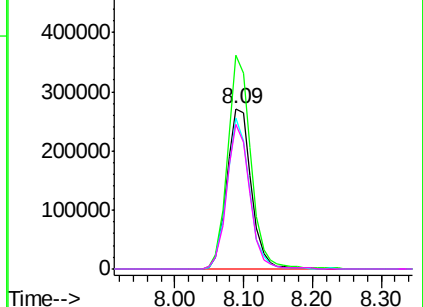


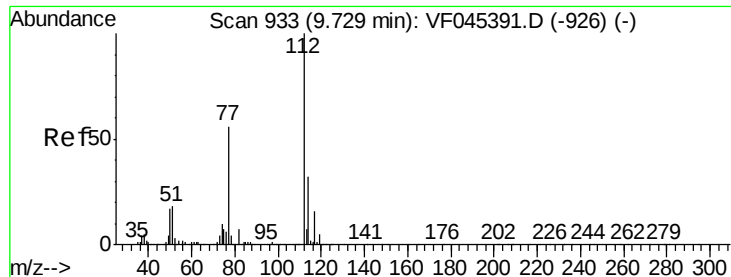
Abundance Ion 163.85 (163.55 to 164.55): V

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: 51.92 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

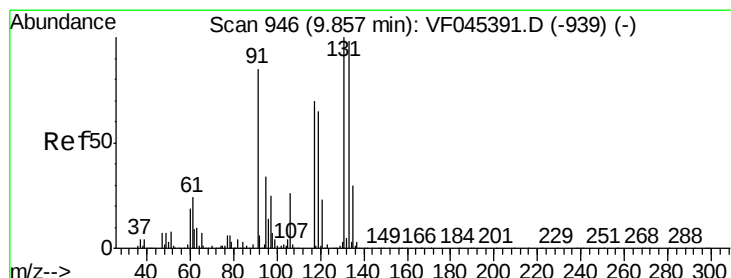
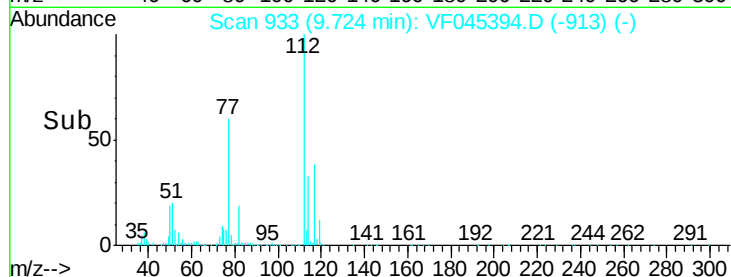
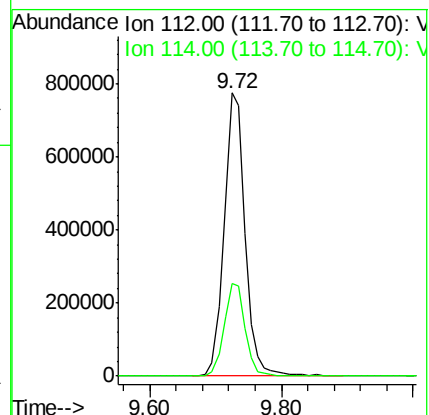
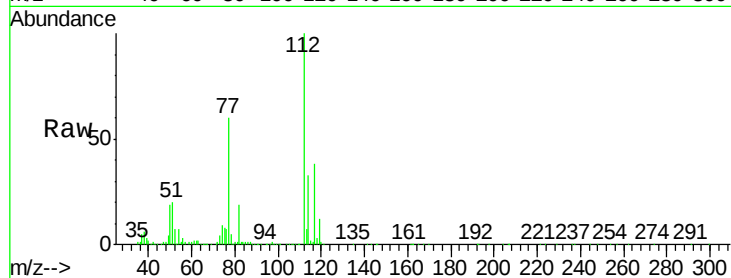
ICVVF091615

Tot Ion:112 Resp: 1716246

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



#65

1,1,1,2-Tetrachloroethane

Concen: 50.47 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

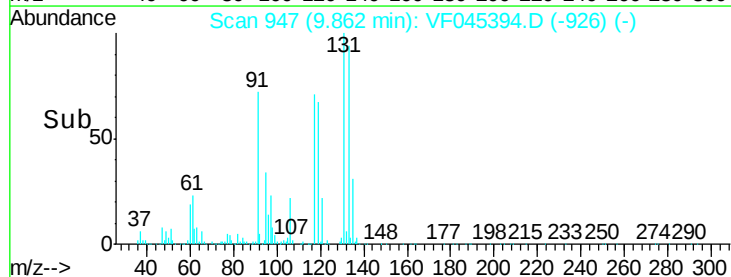
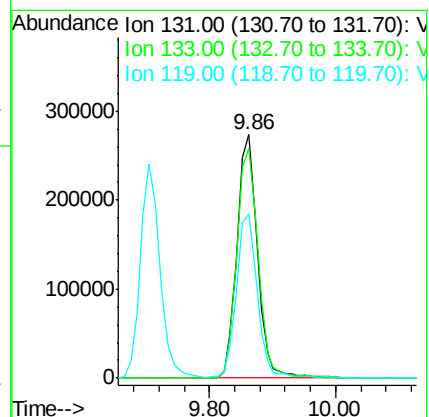
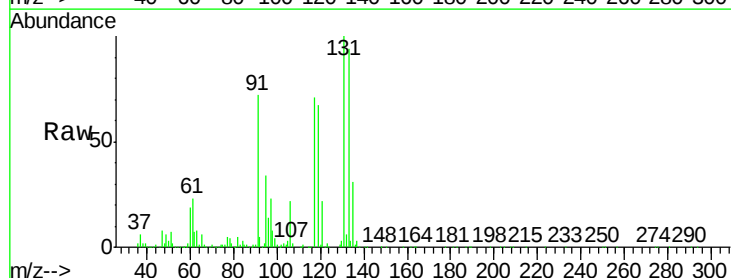
Tgt Ion:131 Resp: 609779

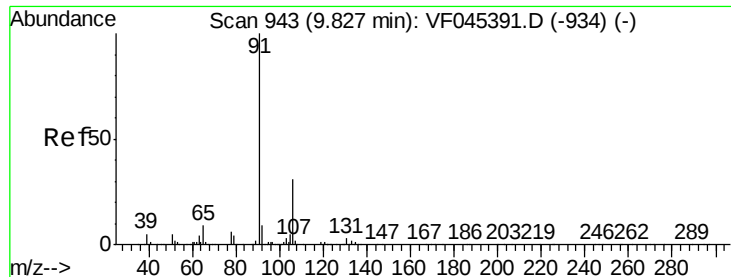
Ion Ratio Lower Upper

131 100

133 94.0 48.1 144.4

119 67.5 34.8 104.5





#66

Ethyl Benzene

Concen: 48.10 ug/l

RT: 9.83 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

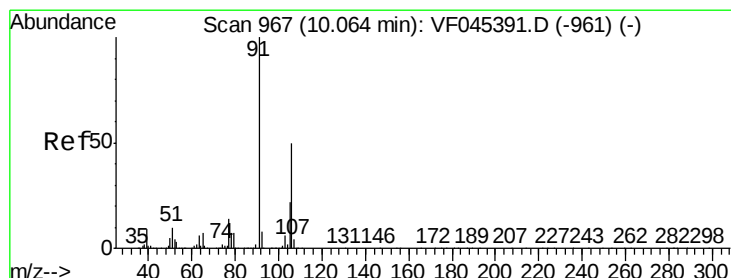
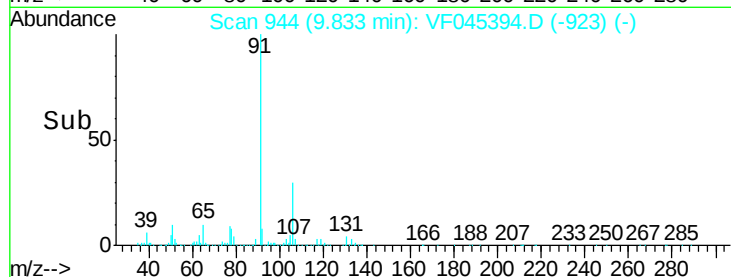
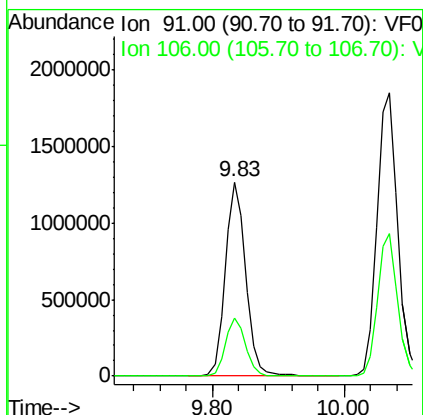
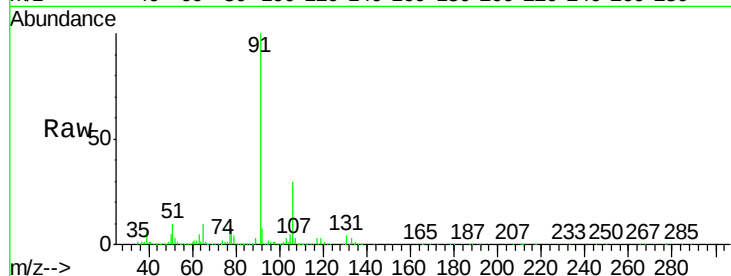
ICVVF091615

Tot Ion: 91 Resp: 2754459

Ion Ratio Lower Upper

91 100

106 29.9 23.6 35.4



#67

m/p-Xylenes

Concen: 97.24 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF045394.D

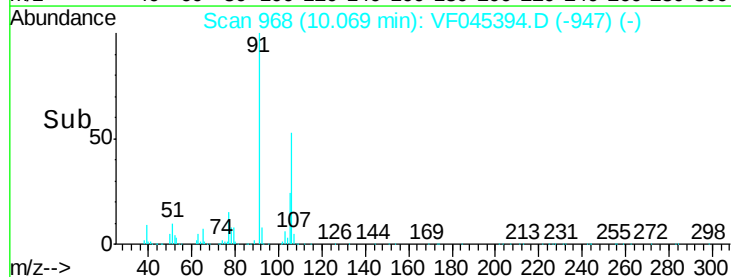
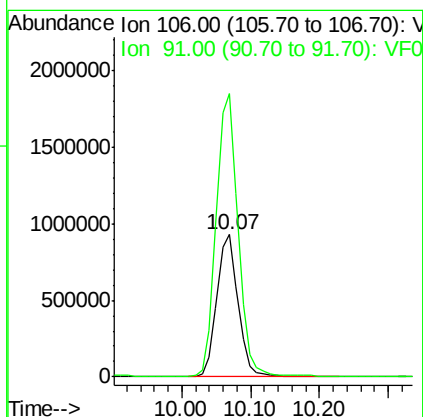
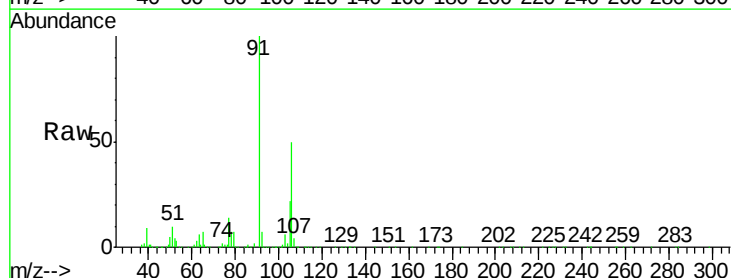
Acq: 16 Sep 2015 16:34

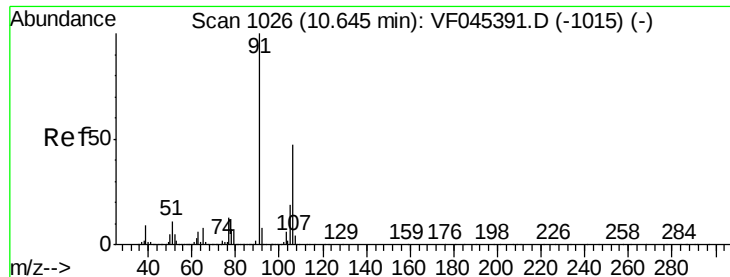
Tgt Ion:106 Resp: 1995942

Ion Ratio Lower Upper

106 100

91 198.6 166.1 249.1

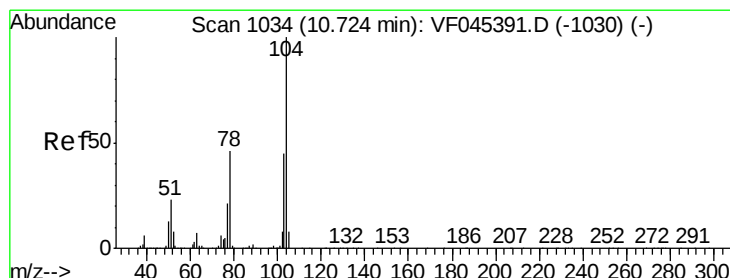
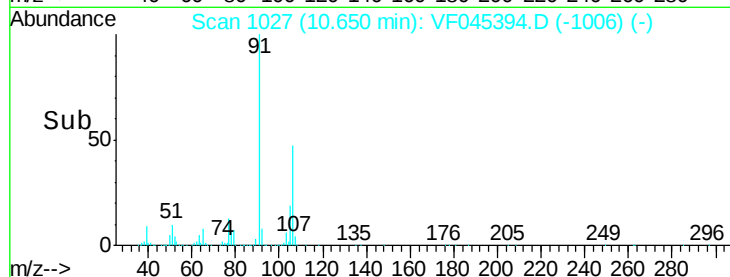
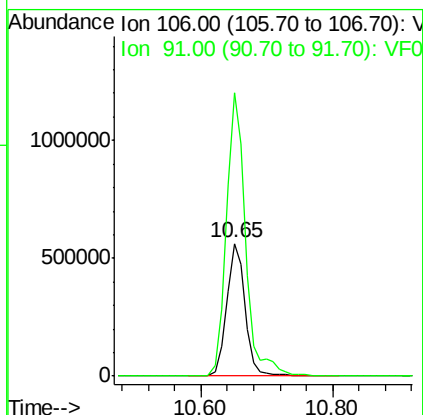
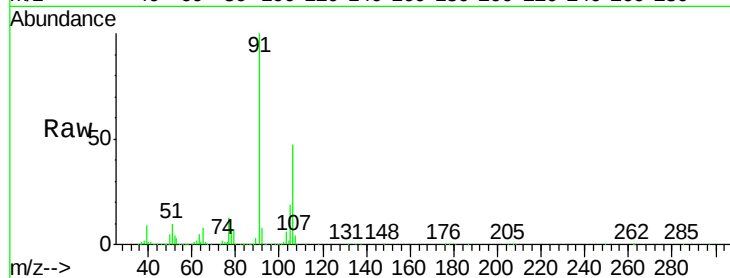




#68
o-Xylene
Concen: 51.72 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

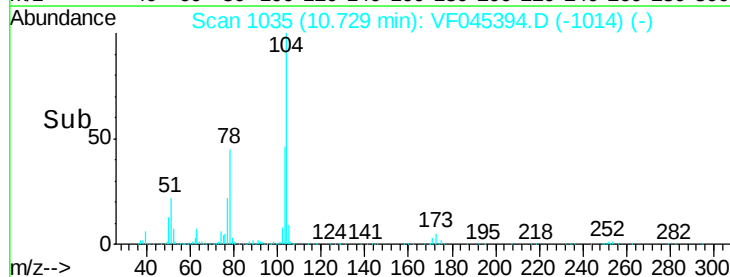
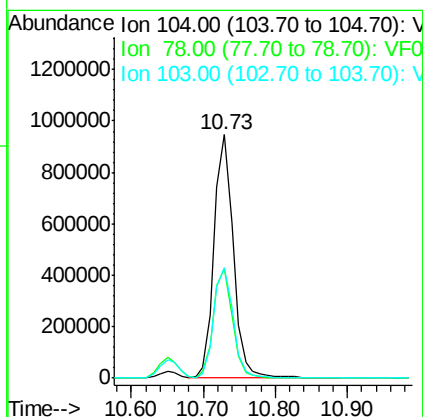
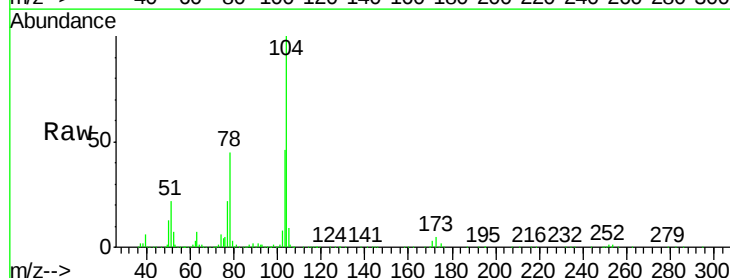
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

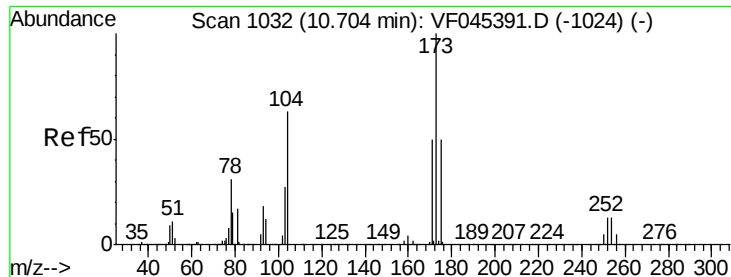
Tot Ion:106 Resp: 1102151
Ion Ratio Lower Upper
106 100
91 213.9 108.1 324.2



#69
Styrene
Concen: 50.84 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion:104 Resp: 1728954
Ion Ratio Lower Upper
104 100
78 44.7 34.2 51.4
103 45.5 36.7 55.1





#70

Bromoform

Concen: 57.40 ug/l

RT: 10.71 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

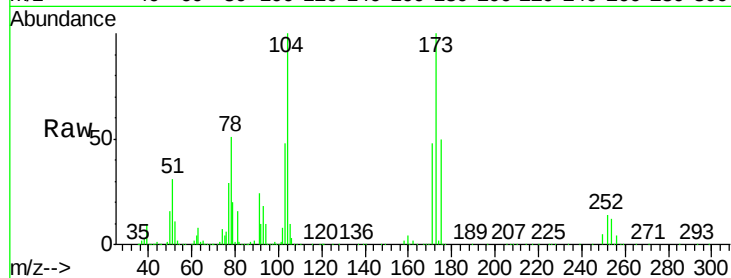
Tot Ion:173 Resp: 514666

Ion Ratio Lower Upper

173 100

175 50.1 25.7 77.0

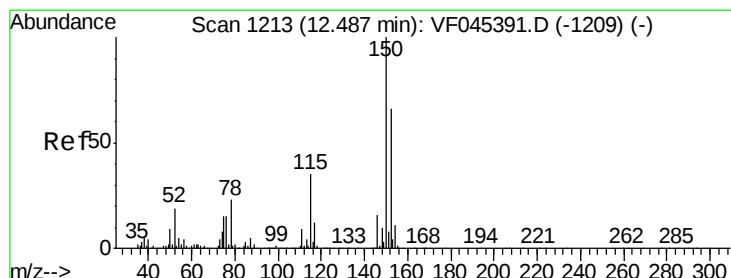
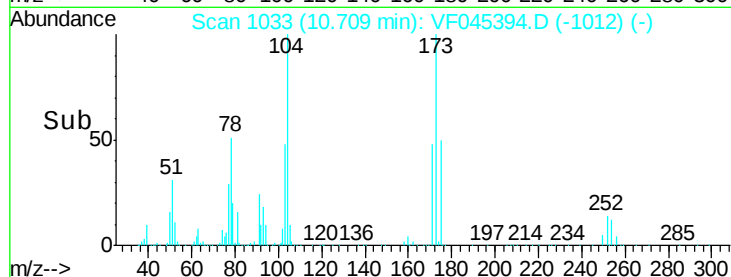
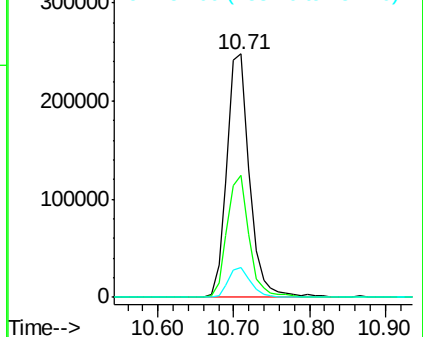
254 12.4 9.8 14.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

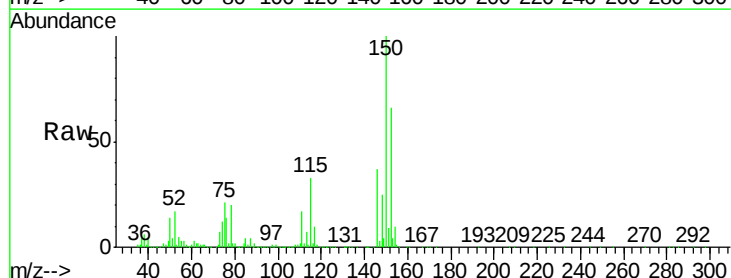
Tgt Ion:152 Resp: 904076

Ion Ratio Lower Upper

152 100

115 49.3 28.3 85.0

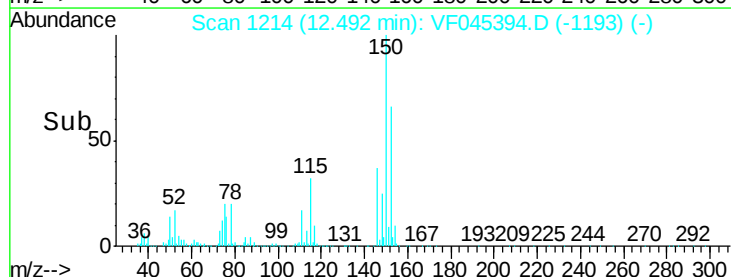
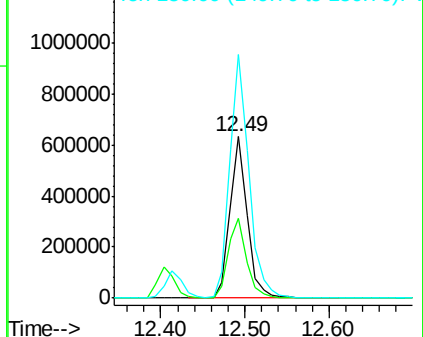
150 151.1 0.0 324.2

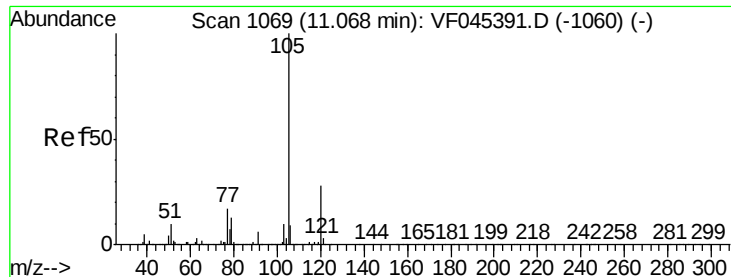


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 50.28 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

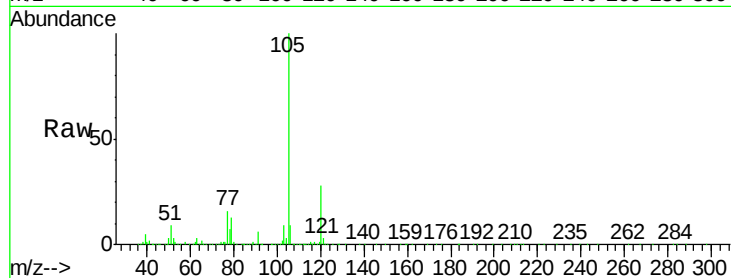
ICVVF091615

Tot Ion:105 Resp: 3045966

Ion Ratio Lower Upper

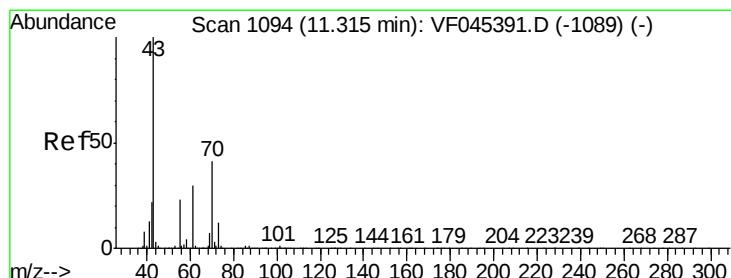
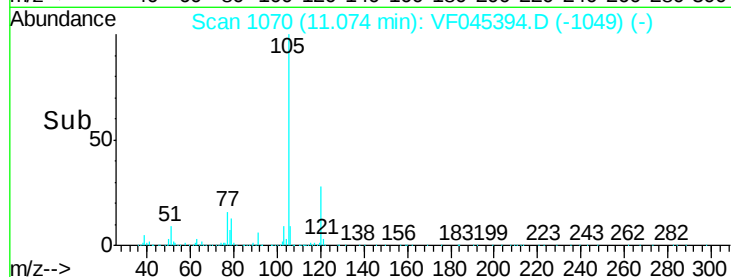
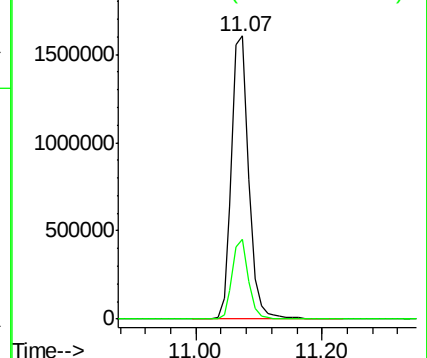
105 100

120 28.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#73

N-ethyl acetate

Concen: 57.41 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 43 Resp: 963886

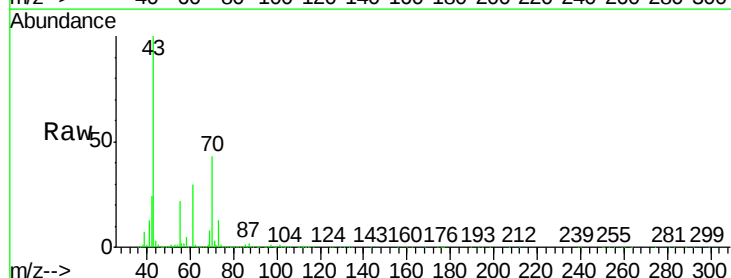
Ion Ratio Lower Upper

43 100

70 42.5 30.0 45.0

55 22.4 16.8 25.2

61 30.2 20.6 30.8

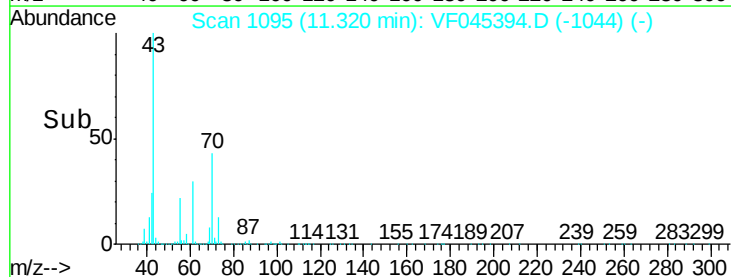
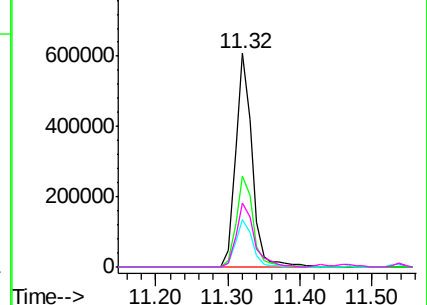


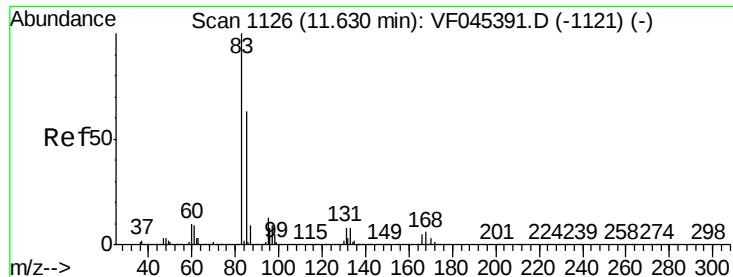
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#74

1,1,2,2-Tetrachloroethane

Concen: 54.26 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

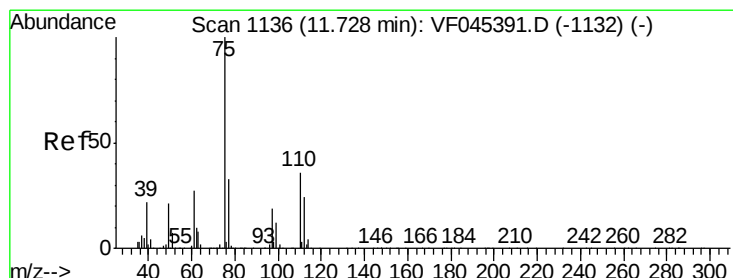
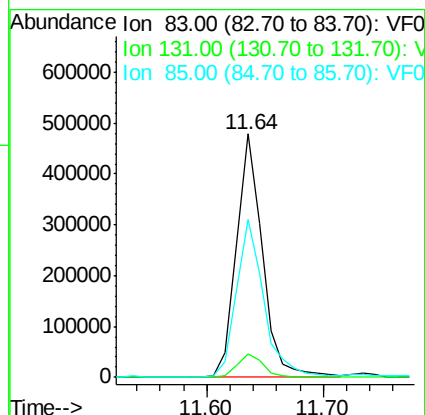
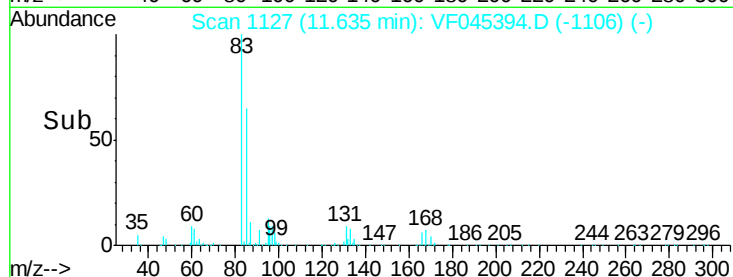
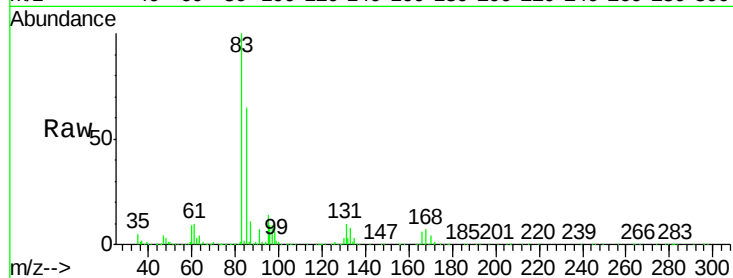
Tot Ion: 83 Resp: 744904

Ion Ratio Lower Upper

83 100

131 9.6 4.2 12.6

85 64.9 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 55.89 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF045394.D

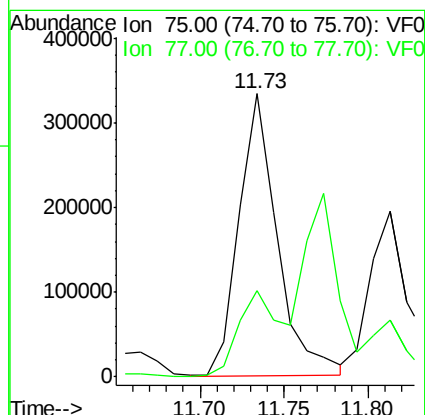
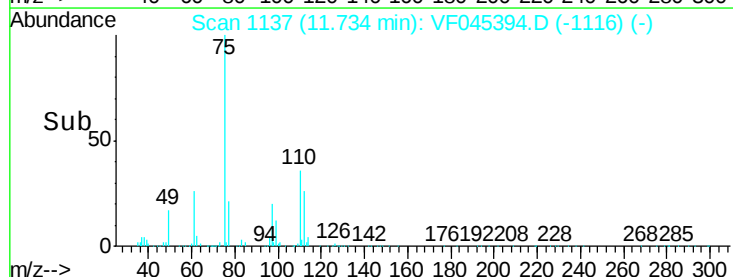
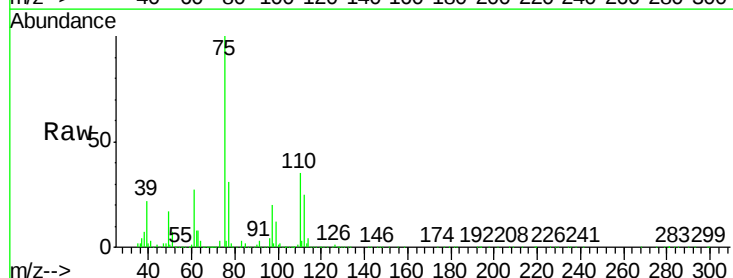
Acq: 16 Sep 2015 16:34

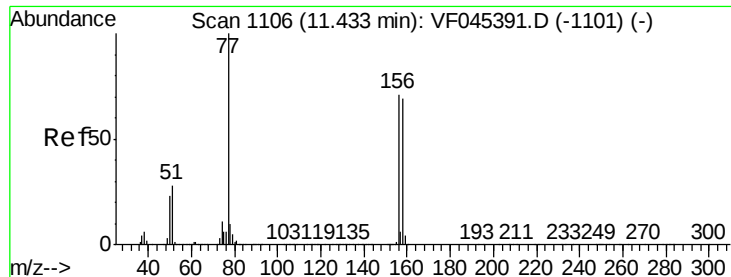
Tgt Ion: 75 Resp: 527639

Ion Ratio Lower Upper

75 100

77 30.7 15.0 45.1

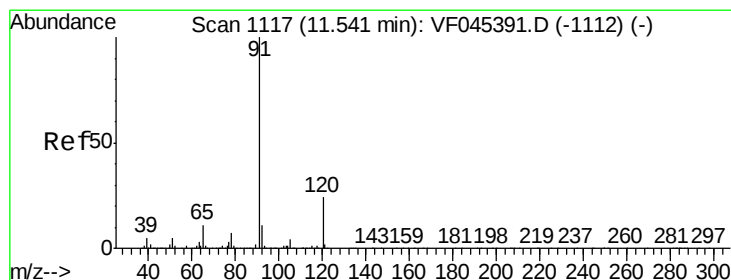
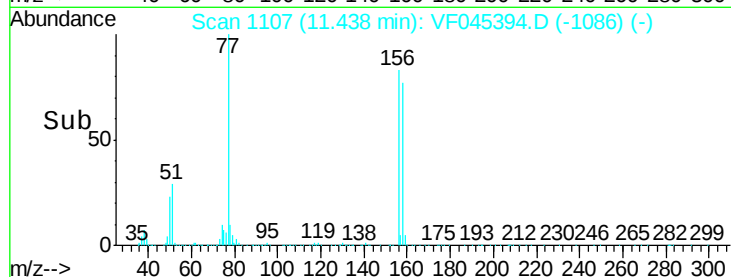
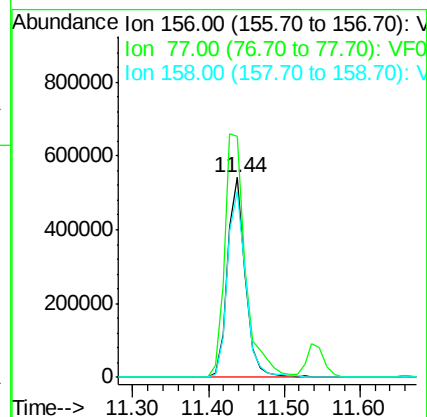
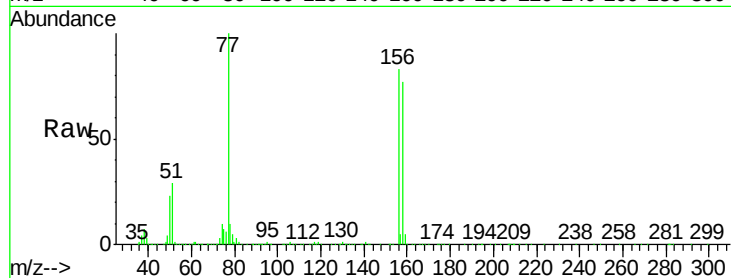




#76
Bromobenzene
Concen: 51.67 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

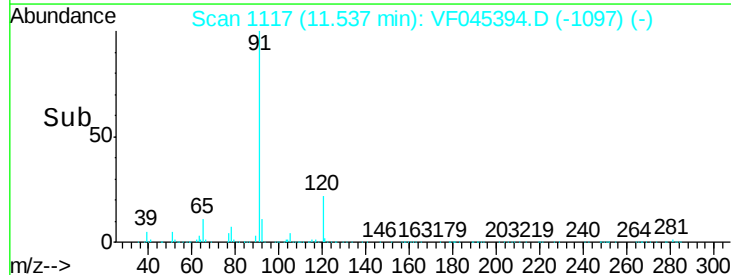
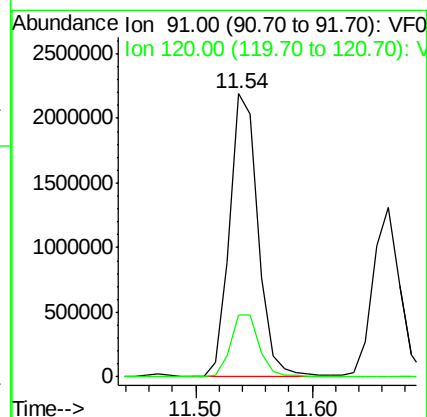
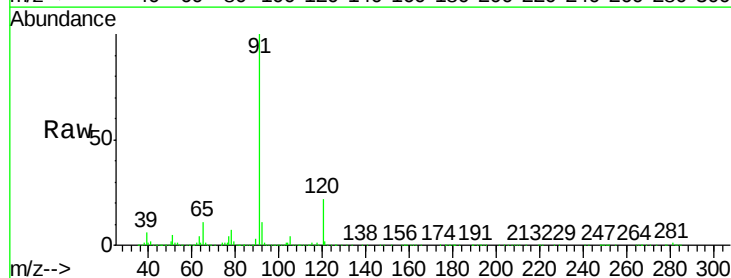
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

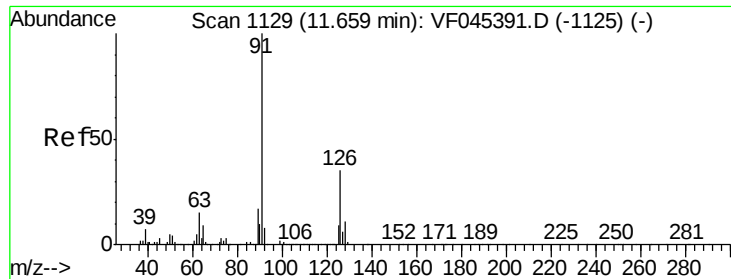
Tot Ion:156 Resp: 887535
Ion Ratio Lower Upper
156 100
77 120.8 74.8 224.3
158 92.9 49.5 148.7



#77
n-propylbenzene
Concen: 49.50 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 91 Resp: 3721957
Ion Ratio Lower Upper
91 100
120 21.8 11.6 34.7





#78

2-Chlorotoluene

Concen: 49.66 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

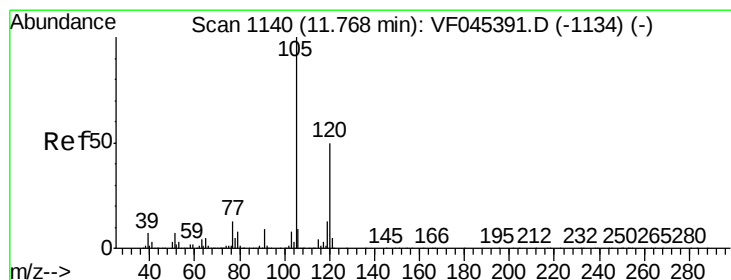
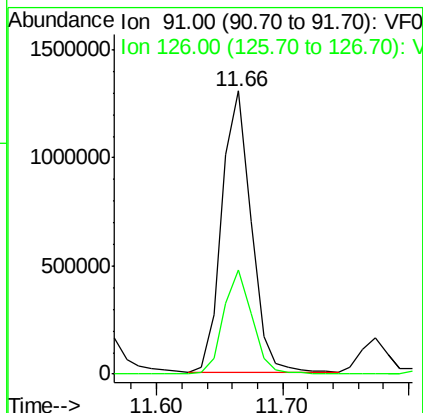
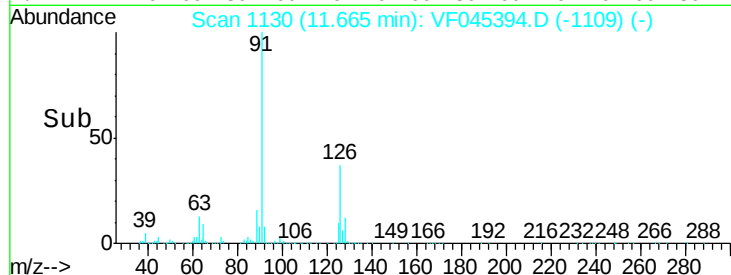
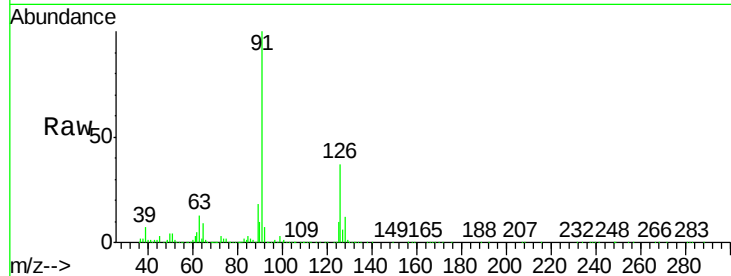
ICVVF091615

Tot Ion: 91 Resp: 2088875

Ion Ratio Lower Upper

91 100

126 37.0 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 49.40 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045394.D

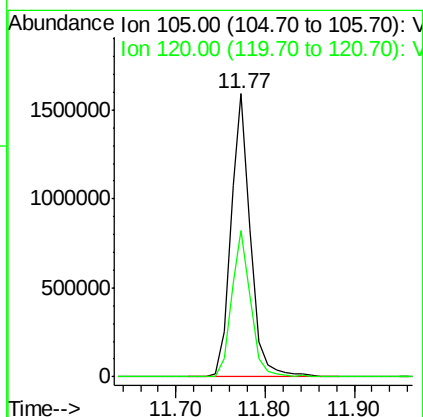
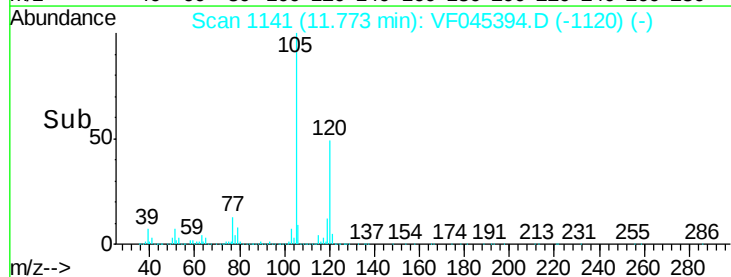
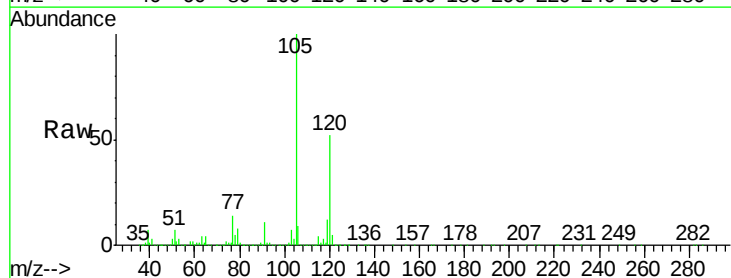
Acq: 16 Sep 2015 16:34

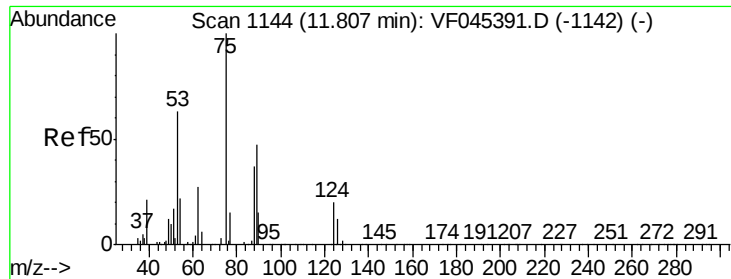
Tgt Ion: 105 Resp: 2438501

Ion Ratio Lower Upper

105 100

120 51.6 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 70.94 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

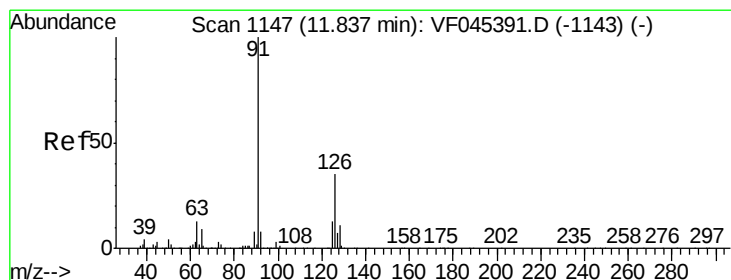
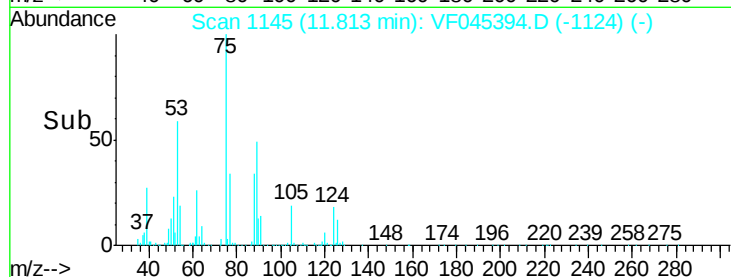
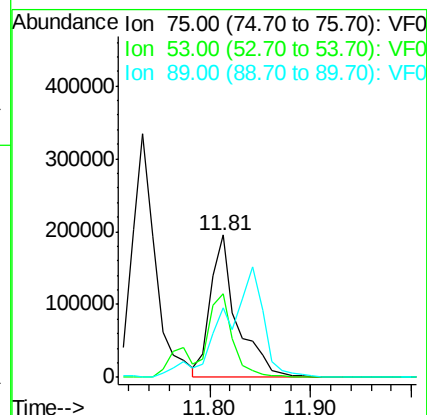
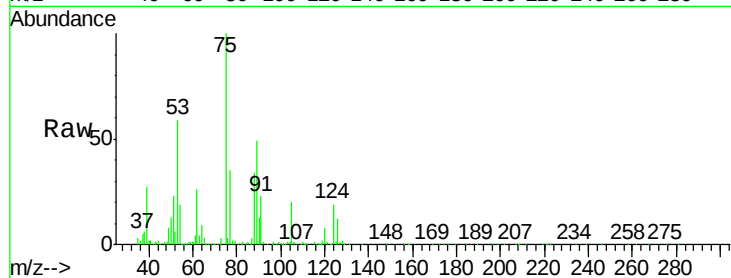
Tot Ion: 75 Resp: 358726

Ion Ratio Lower Upper

75 100

53 59.2 51.0 76.6

89 48.8 38.6 57.8



#81

4-Chlorotoluene

Concen: 49.28 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF045394.D

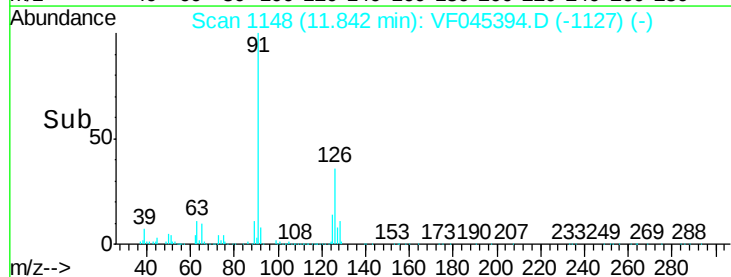
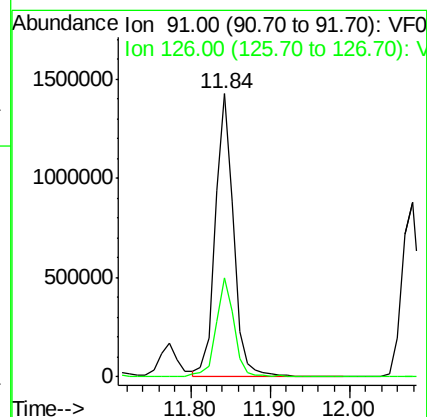
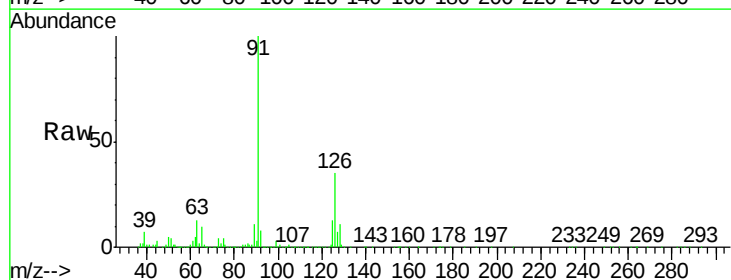
Acq: 16 Sep 2015 16:34

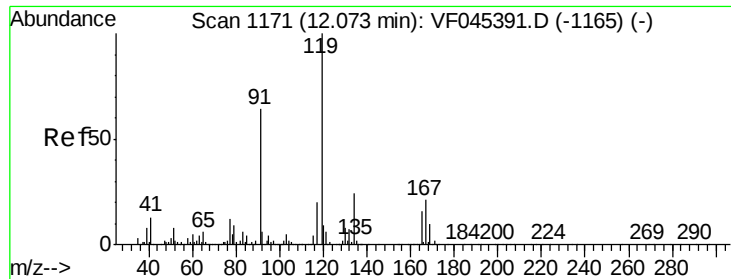
Tgt Ion: 91 Resp: 2291029

Ion Ratio Lower Upper

91 100

126 35.1 15.8 47.4





#82

tert-Butylbenzene

Concen: 48.09 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

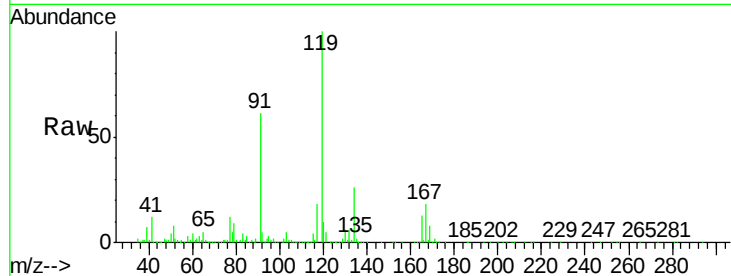
Tot Ion:119 Resp: 2347850

Ion Ratio Lower Upper

119 100

91 61.5 31.1 93.2

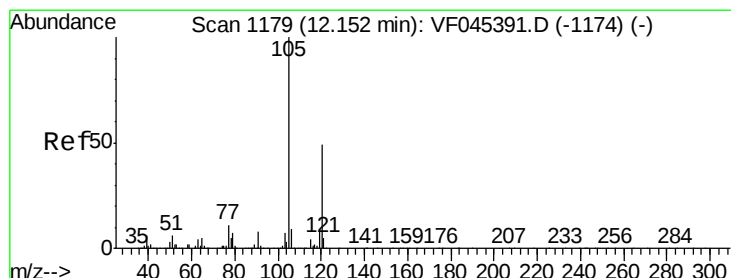
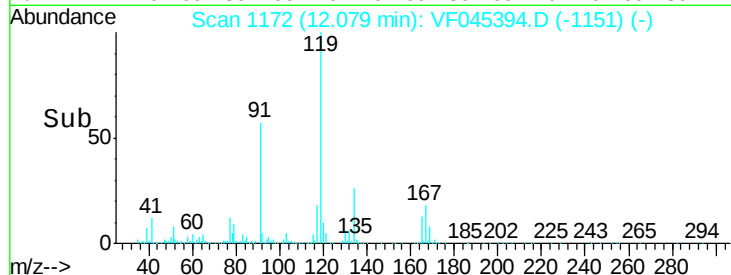
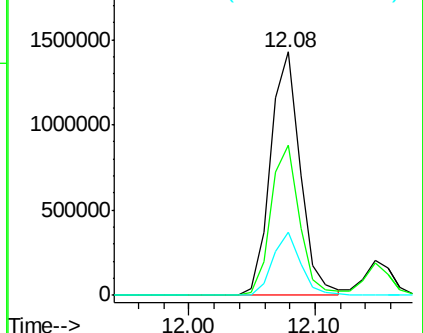
134 25.9 12.2 36.6



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: 51.01 ug/l

RT: 12.15 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VF045394.D

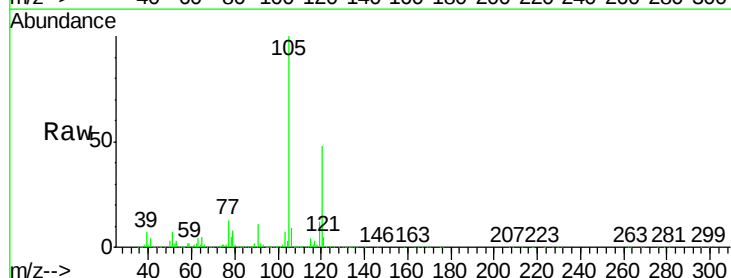
Acq: 16 Sep 2015 16:34

Tgt Ion:105 Resp: 2582040

Ion Ratio Lower Upper

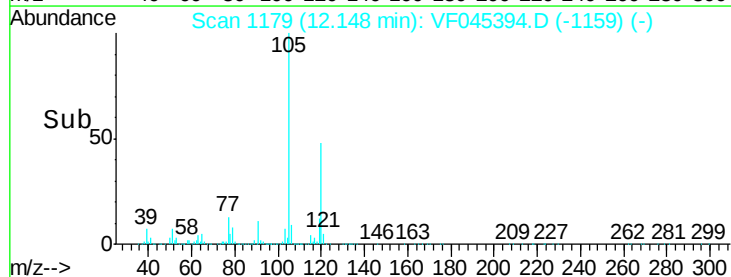
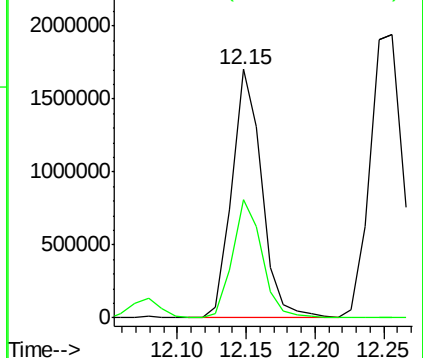
105 100

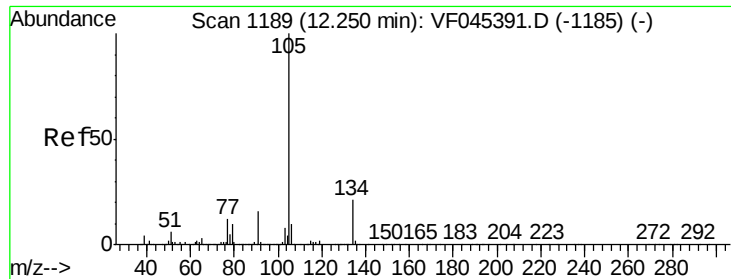
120 47.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

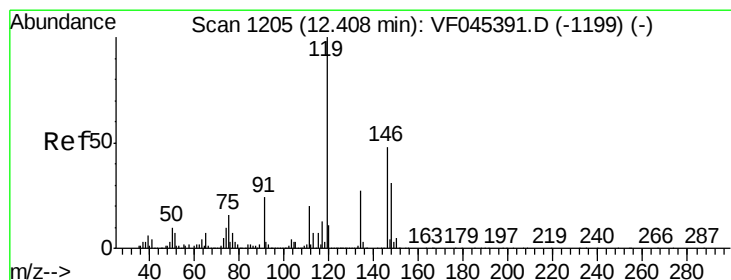
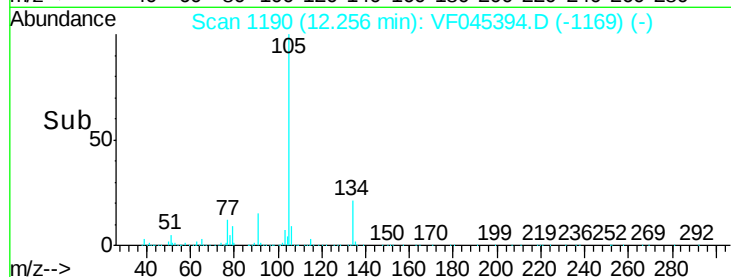
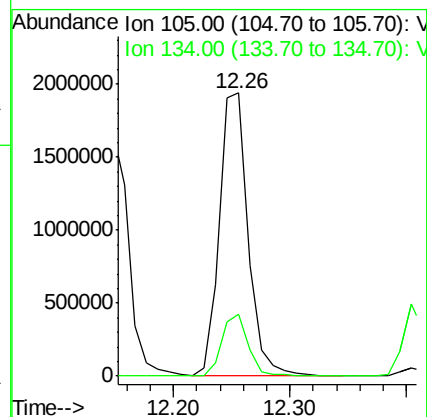
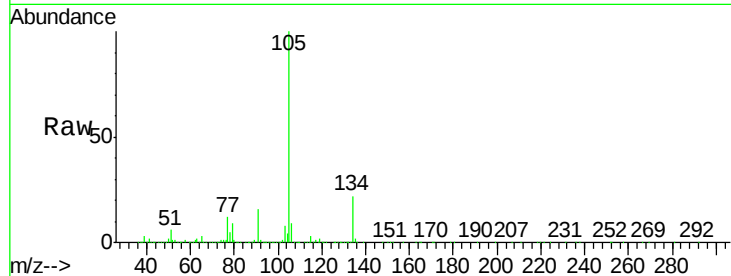




#84
 sec-Butylbenzene
 Concen: 48.71 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

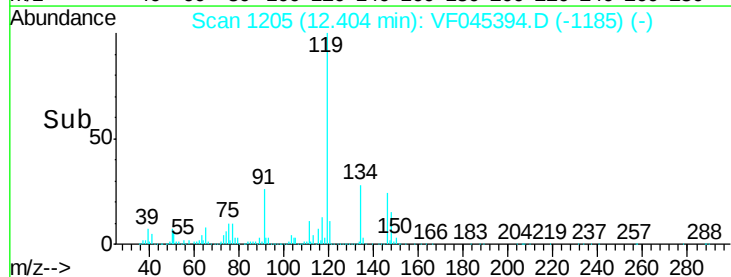
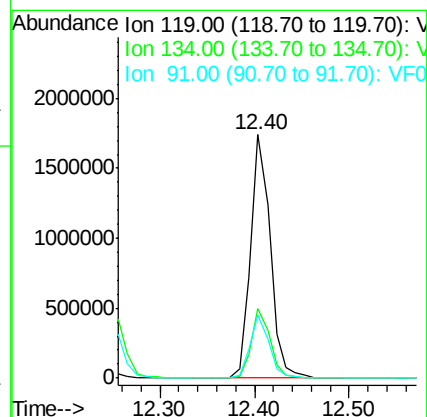
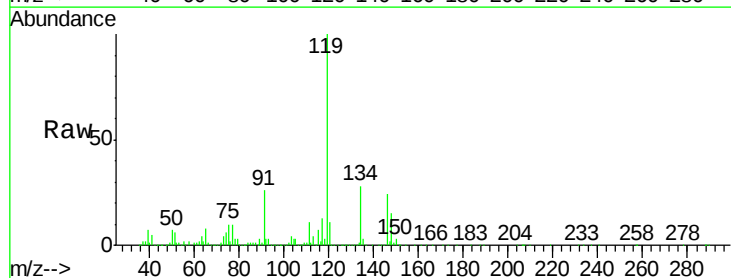
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

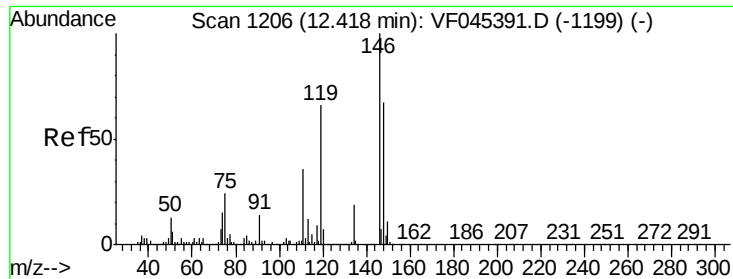
Tot Ion:105 Resp: 3305741
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 47.35 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion:119 Resp: 2501958
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.0 38.9
 91 26.1 12.2 36.6

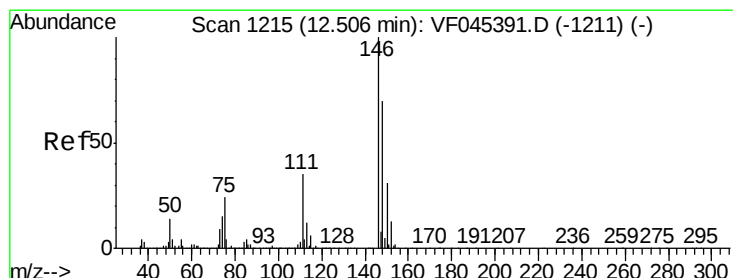
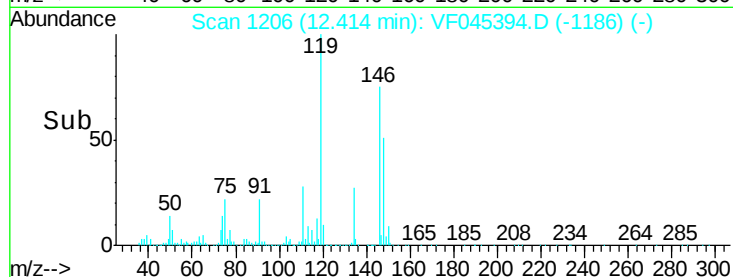
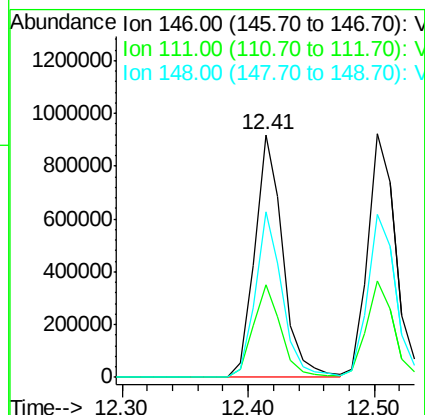
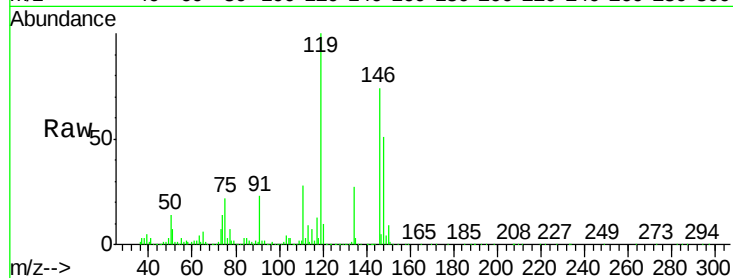




#86
 1,3-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

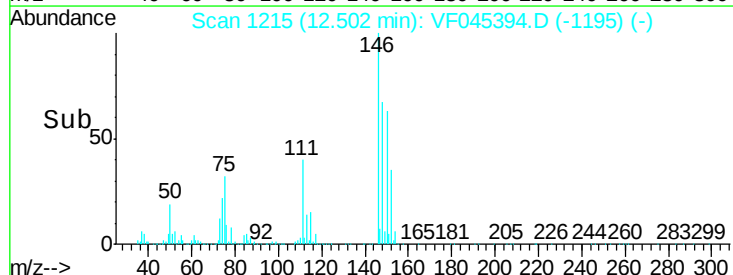
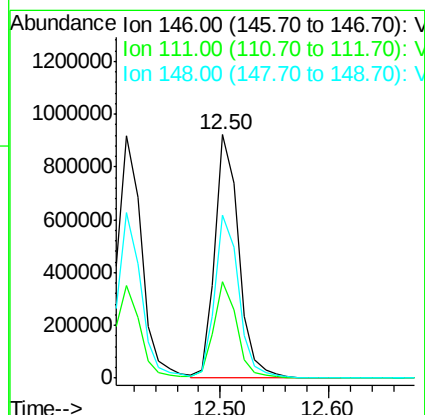
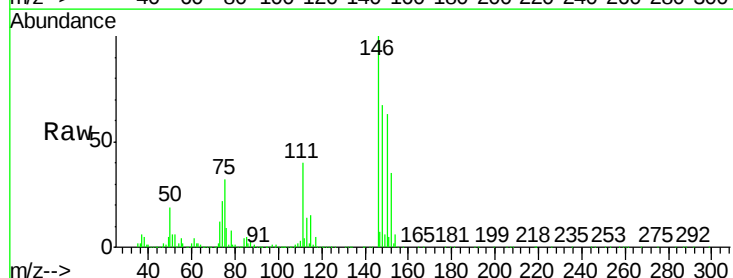
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

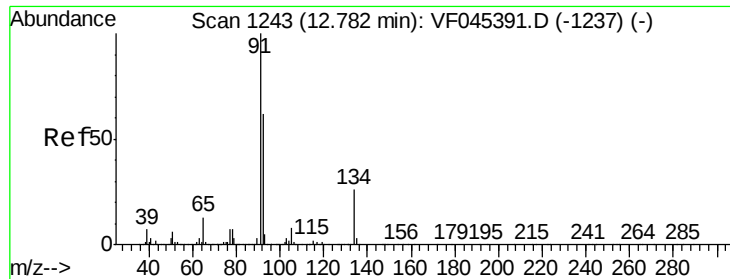
Tot Ion:146 Resp: 1425767
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.9 59.7
 148 68.3 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 48.67 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion:146 Resp: 1419156
 Ion Ratio Lower Upper
 146 100
 111 39.5 17.3 52.0
 148 67.0 32.4 97.0

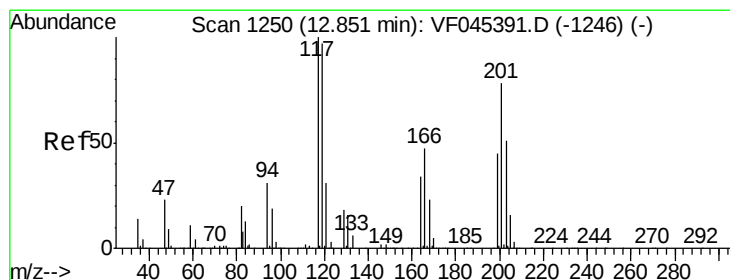
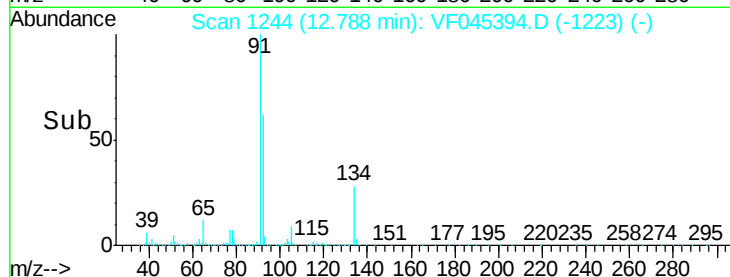
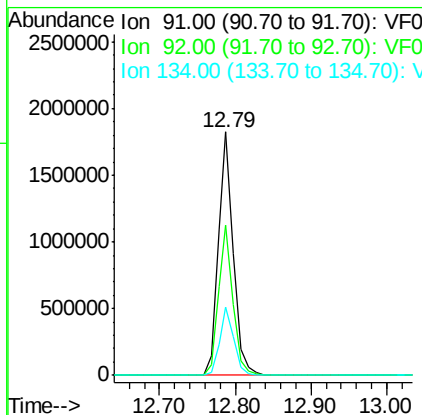
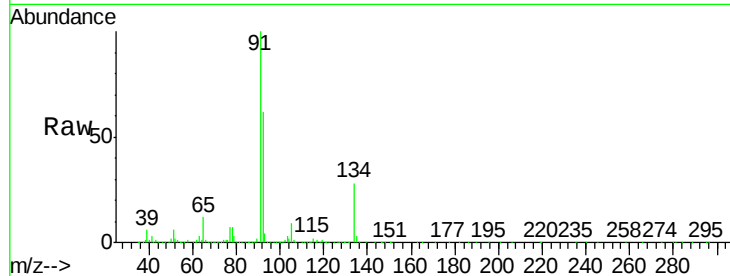




#88
n-Butylbenzene
Concen: 47.83 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

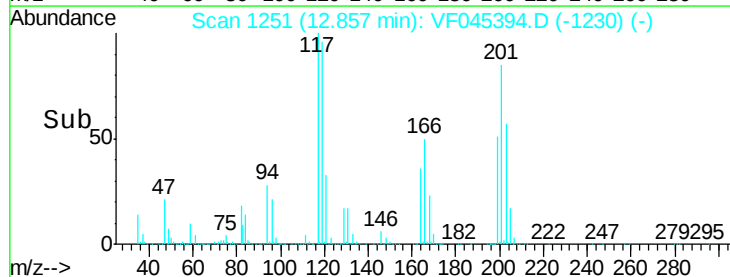
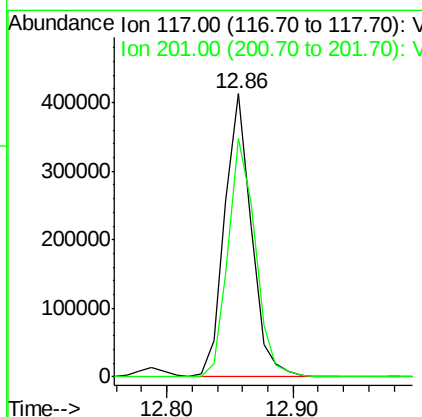
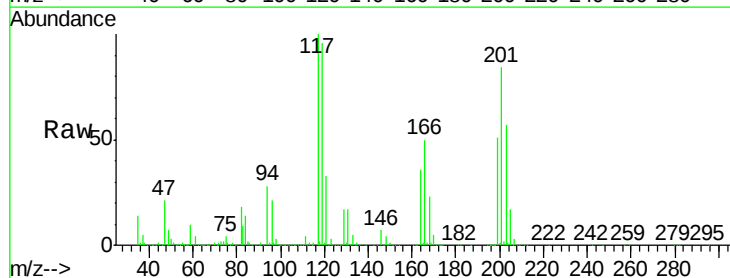
Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

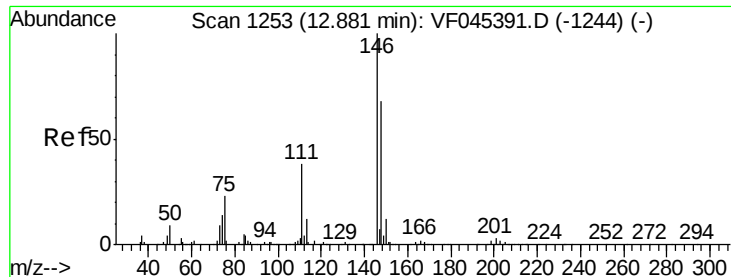
Tot Ion: 91 Resp: 2540277
Ion Ratio Lower Upper
91 100
92 61.8 30.1 90.5
134 28.1 13.8 41.4



#89
Hexachloroethane
Concen: 48.33 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 117 Resp: 604460
Ion Ratio Lower Upper
117 100
201 84.4 42.0 126.1

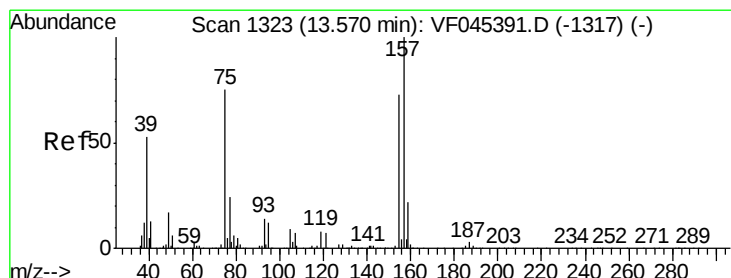
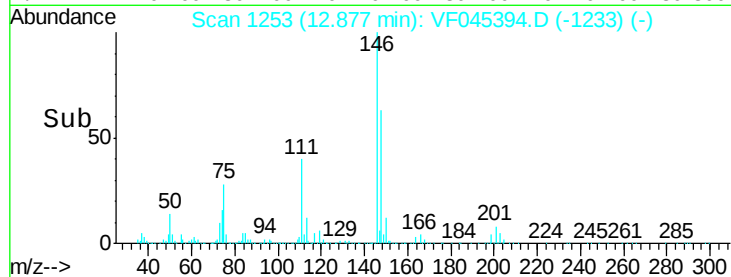
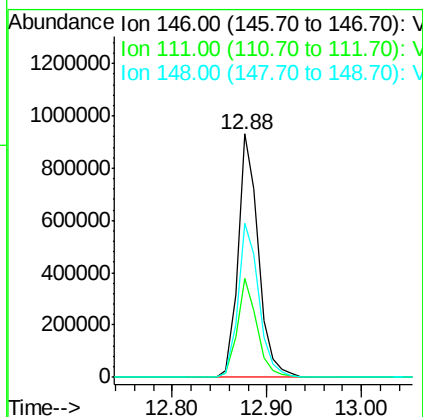
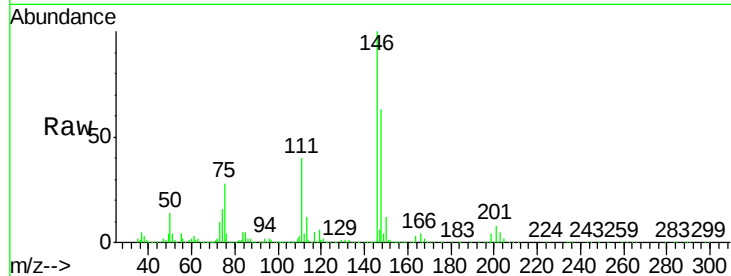




#90
 1,2-Dichlorobenzene
 Concen: 51.44 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

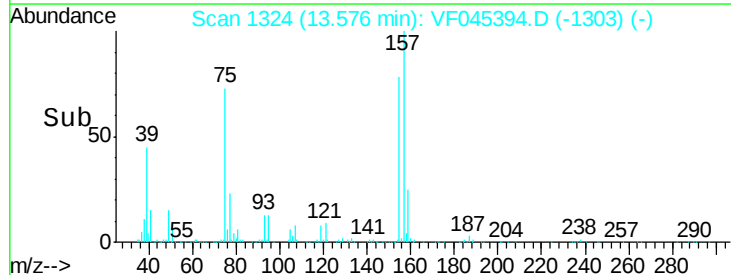
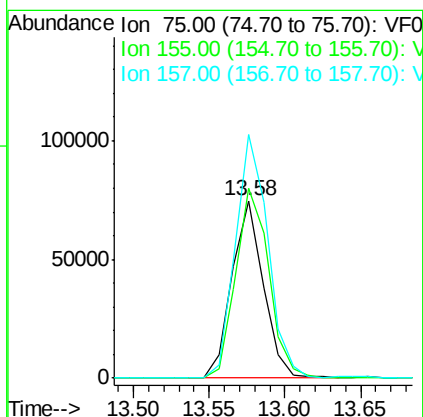
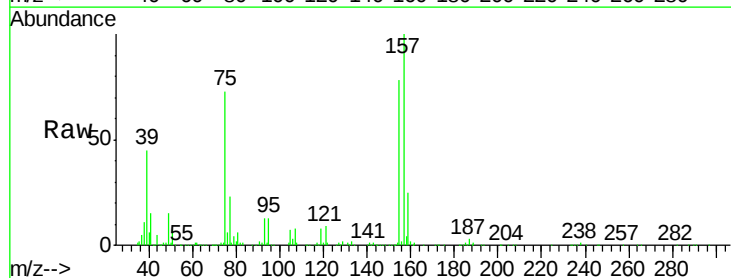
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

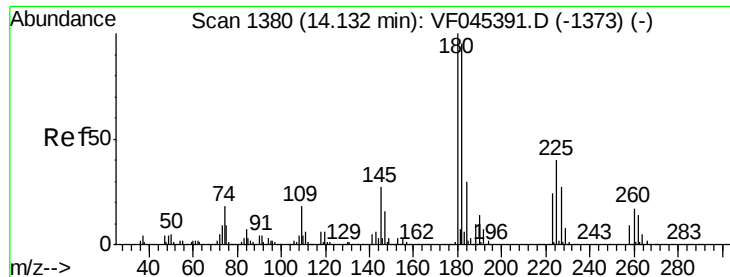
Tot Ion:146 Resp: 1381841
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.4 64.3
 148 63.2 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 59.31 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion: 75 Resp: 108095
 Ion Ratio Lower Upper
 75 100
 155 107.2 49.2 147.6
 157 137.2 66.8 200.4

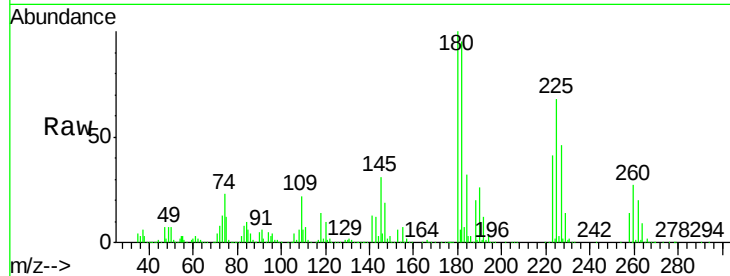




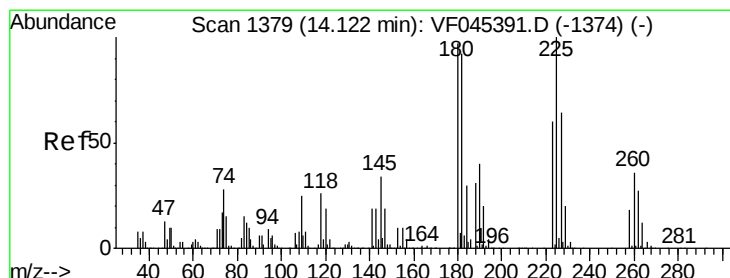
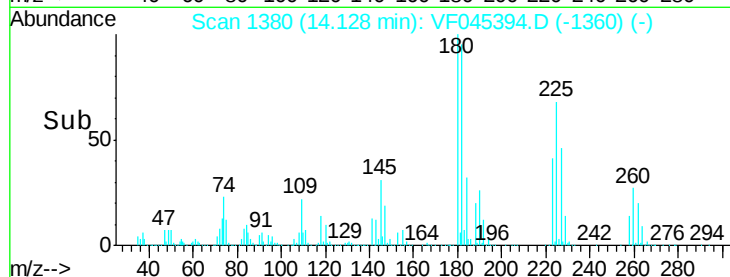
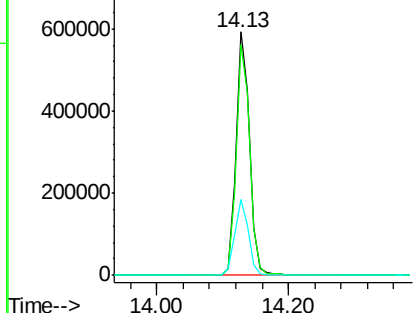
#92
 1,2,4-Trichlorobenzene
 Concen: 54.79 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

Tot Ion:180 Resp: 851580
 Ion Ratio Lower Upper
 180 100
 182 94.9 49.4 148.0
 145 31.1 16.7 50.1

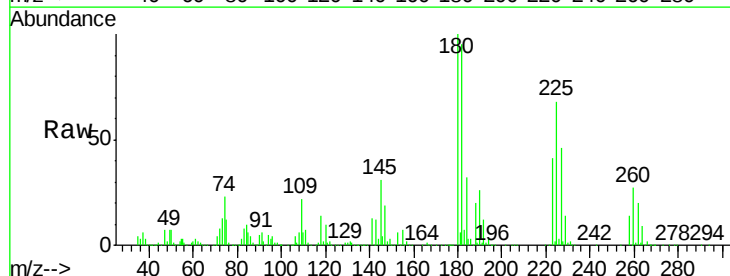


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

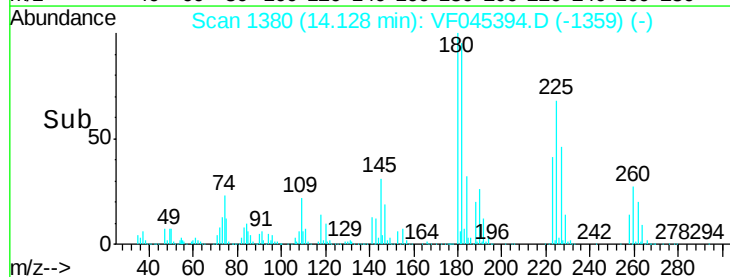
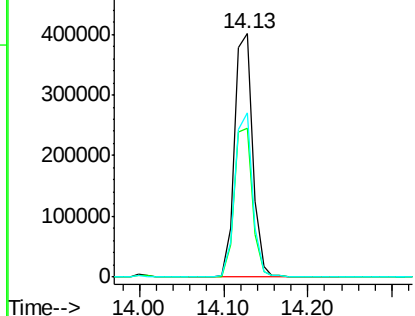


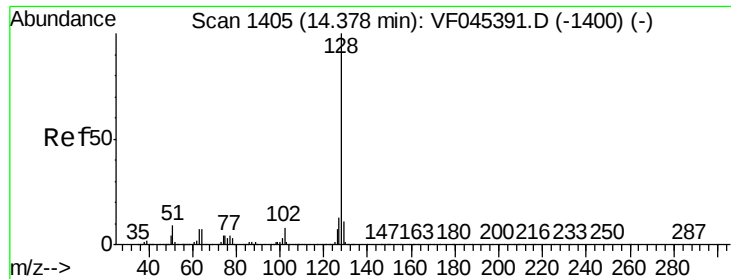
#93
 Hexachlorobutadiene
 Concen: 50.97 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion:225 Resp: 601756
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.9 95.5
 227 67.5 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: 53.77 ug/l

RT: 14.38 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

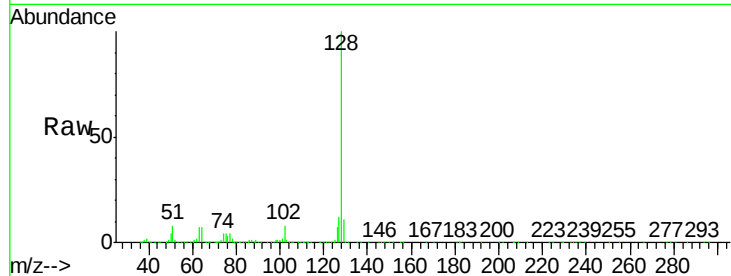
Tot Ion:128 Resp: 1582166

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.8

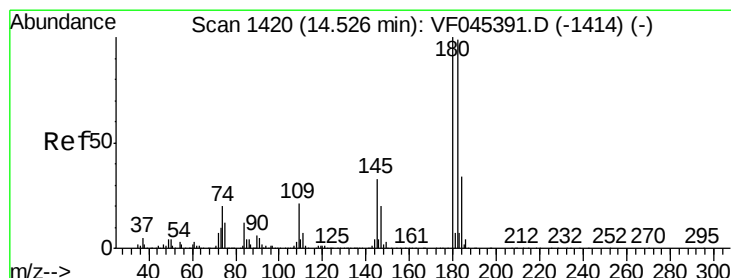
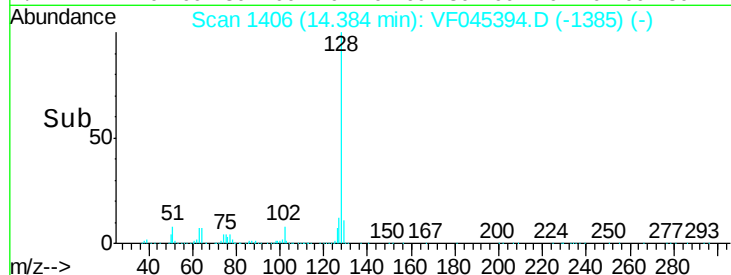
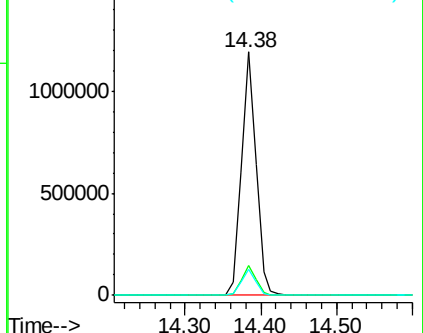
129 10.5 8.8 13.2



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: 56.99 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

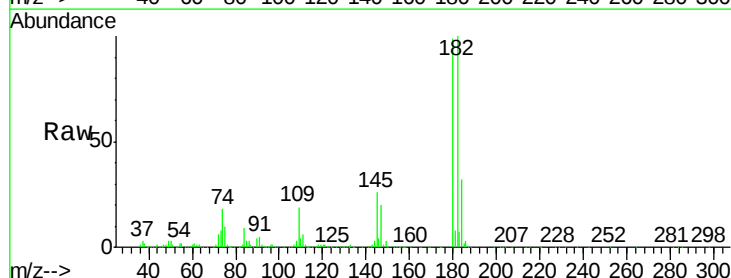
Tgt Ion:180 Resp: 727744

Ion Ratio Lower Upper

180 100

182 101.1 47.6 142.8

145 26.6 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

