

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045391.D
 Acq On : 16 Sep 2015 14:40
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 16 15:25:30 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.80	168	1065904	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1601896	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1596581	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	936591	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.76	65	598714	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
34) Dibromofluoromethane	4.03	113	631883	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
49) Toluene-d8	7.49	98	1876668	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
61) 4-Bromofluorobenzene	11.34	95	916181	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.92	85	461560	53.35	ug/l	95
3) Chloromethane	1.02	50	416027	43.77	ug/l	93
4) Vinyl Chloride	1.08	62	334205	45.58	ug/l	100
5) Bromomethane	1.25	94	216473	60.49	ug/l	99
6) Chloroethane	1.33	64	145576	59.81	ug/l	93
7) Trichlorofluoromethane	1.39	101	292933	24.56	ug/l	89
8) Diethyl Ether	1.58	74	161016	53.54	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.77	101	413339	54.07	ug/l	97
10) Methyl Iodide	1.80	142	850187	56.65	ug/l	97
11) Tert butyl alcohol	2.49	59	34202	268.19	ug/l #	77
12) 1,1-Dichloroethene	1.70	96	337136	52.79	ug/l	90
13) Acrolein	1.95	56	156923	235.68	ug/l	96
14) Allyl chloride	2.05	41	549526	46.11	ug/l	96
15) Acrylonitrile	2.87	53	344095	222.49	ug/l	95
16) Acetone	2.17	43	801218	291.18	ug/l	99
17) Carbon Disulfide	1.72	76	1164593	54.95	ug/l	98
18) Methyl Acetate	2.29	43	578890	45.85	ug/l #	91
19) Methyl tert-butyl Ether	2.37	73	275462	55.18	ug/l	99
20) Methylene Chloride	2.12	84	363393	50.38	ug/l	94
21) trans-1,2-Dichloroethene	2.25	96	379978	51.36	ug/l	95
22) Diisopropyl ether	2.73	45	1179619	45.25	ug/l	94
23) Vinyl Acetate	3.12	43	1752590	220.27	ug/l	97
24) 1,1-Dichloroethane	2.80	63	771705	49.69	ug/l	98
25) 2-Butanone	4.24	43	1060406	224.71	ug/l	96
26) 2,2-Dichloropropane	3.52	77	686747	50.87	ug/l	96
27) cis-1,2-Dichloroethene	3.40	96	612106	52.36	ug/l	100
28) Bromochloromethane	3.64	49	283476	34.88	ug/l #	95
29) Chloroform	3.78	83	1084344	52.67	ug/l	97
30) Cyclohexane	3.63	56	695372	42.84	ug/l	95
31) 1,1,1-Trichloroethane	4.03	97	884761	55.45	ug/l	94
35) 1,1-Dichloropropene	4.20	75	784686	51.46	ug/l	100
36) Ethyl Acetate	4.04	43	435549	47.56	ug/l #	78
37) Carbon Tetrachloride	3.92	117	816339	62.31	ug/l	96
38) Methylcyclohexane	5.39	83	798124	48.46	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	1784021	46.66	ug/l	97
40) Methacrylonitrile	4.67	41	204780	47.21	ug/l #	91
41) 1,2-Dichloroethane	4.86	62	775575	60.39	ug/l	97
42) Isopropyl Acetate	6.89	43	580998	46.91	ug/l #	100
43) Trichloroethene	5.43	130	612362	55.76	ug/l	97
44) 1,2-Dichloropropane	6.16	63	561762	48.80	ug/l	97
45) Dibromomethane	6.02	93	407674	56.95	ug/l	95
46) Bromodichloromethane	6.31	83	897304	59.20	ug/l	97
47) Methyl methacrylate	6.66	41	346072	47.91	ug/l	89
48) 1,4-Dioxane	6.64	88	78771	1071.75	ug/l #	81
50) 4-Methyl-2-Pentanone	8.19	43	2051139	229.94	ug/l	98
51) Toluene	7.56	92	1393790	53.20	ug/l	99
52) t-1,3-Dichloropropene	8.21	75	813065	55.91	ug/l	93
53) cis-1,3-Dichloropropene	7.24	75	926495	52.15	ug/l	99
54) 1,1,2-Trichloroethane	8.42	97	498092	54.86	ug/l	99
55) Ethyl methacrylate	8.56	69	685668	54.21	ug/l	96
56) 1,3-Dichloropropane	8.78	76	812809	51.70	ug/l	99
58) 2-Hexanone	9.42	43	1656811	234.28	ug/l	97
59) Dibromochloromethane	8.65	129	719516	62.80	ug/l	95
60) 1,2-Dibromoethane	8.91	107	594359	58.17	ug/l	98
63) Tetrachloroethene	8.09	164	619950	56.71	ug/l	98
64) Chlorobenzene	9.73	112	1707884	52.09	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	616122	54.71	ug/l	97
66) Ethyl Benzene	9.83	91	2814064	48.32	ug/l	97
67) m/p-Xylenes	10.06	106	2007292	99.44	ug/l	96
68) o-Xylene	10.64	106	1029776	48.71	ug/l	97
69) Styrene	10.72	104	1691010	49.89	ug/l	97
70) Bromoform	10.70	173	483913	60.69	ug/l	97
72) Isopropylbenzene	11.07	105	3035508	44.28	ug/l	95
73) N-amyl acetate	11.31	43	964753	40.72	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.63	83	734473	44.62	ug/l	98
75) 1,2,3-Trichloropropane	11.73	75	531342	44.85	ug/l	95
76) Bromobenzene	11.43	156	876368	49.67	ug/l	95
77) n-propylbenzene	11.54	91	3587869	40.81	ug/l	99
78) 2-Chlorotoluene	11.66	91	2092779	42.87	ug/l	98
79) 1,3,5-Trimethylbenzene	11.77	105	2488961	45.36	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	348931	60.34	ug/l	99
81) 4-Chlorotoluene	11.84	91	2289144	43.74	ug/l	95
82) tert-Butylbenzene	12.07	119	2348423	44.26	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	2572473	46.36	ug/l	94
84) sec-Butylbenzene	12.25	105	3331550	45.63	ug/l	99
85) p-Isopropyltoluene	12.41	119	2465334	44.79	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	1403205	47.57	ug/l	96
87) 1,4-Dichlorobenzene	12.51	146	1489406	50.57	ug/l	95
88) n-Butylbenzene	12.78	91	2631891	44.92	ug/l	98
89) Hexachloroethane	12.85	117	631376	51.92	ug/l	93
90) 1,2-Dichlorobenzene	12.88	146	1360451	50.64	ug/l	93
91) 1,2-Dibromo-3-Chloropropan	13.57	75	106027	54.55	ug/l	100
92) 1,2,4-Trichlorobenzene	14.13	180	835305	57.50	ug/l	94
93) Hexachlorobutadiene	14.12	225	592678	53.09	ug/l	96

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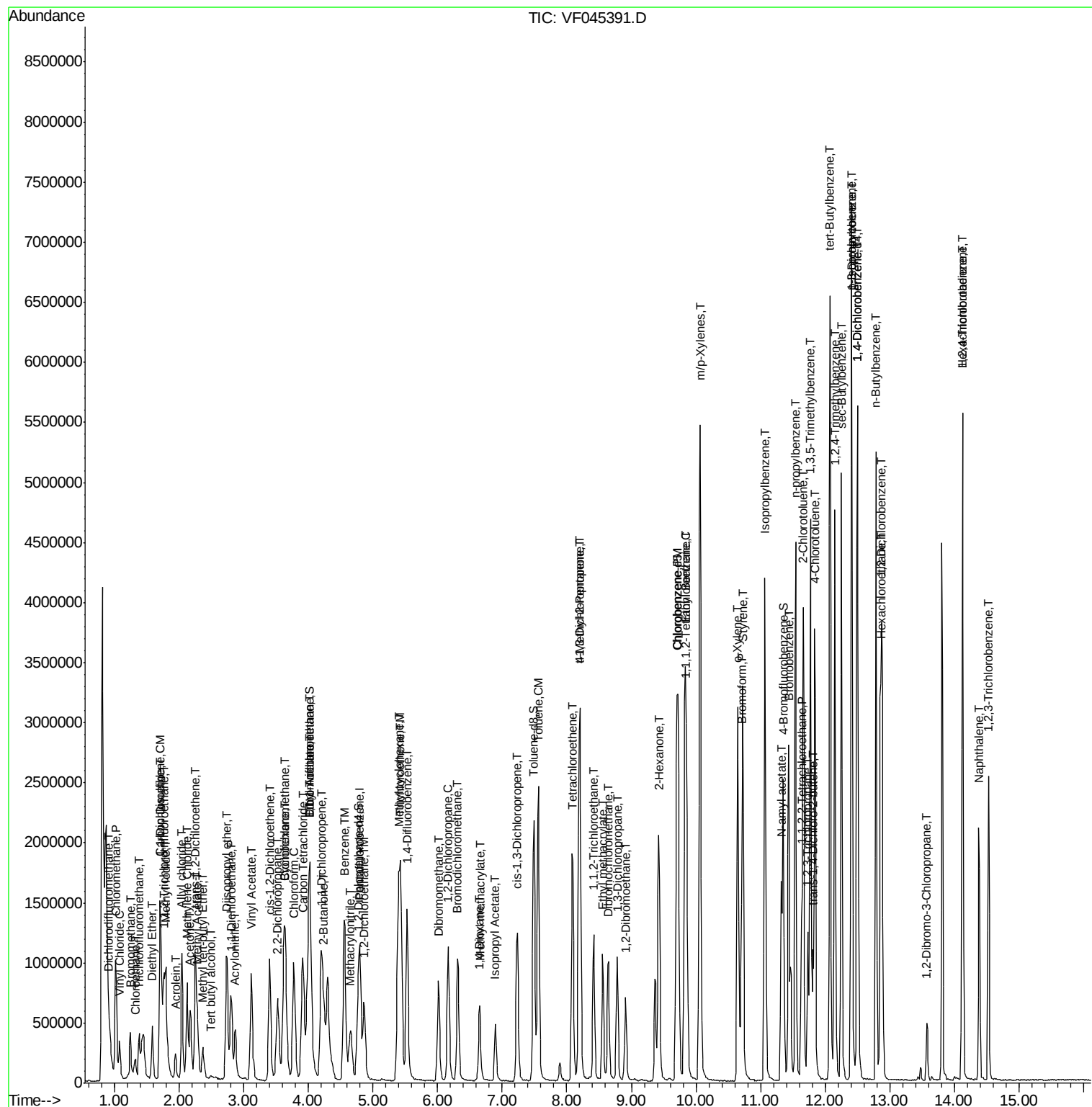
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	1546758	60.39	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	696587	59.46	ug/l	96

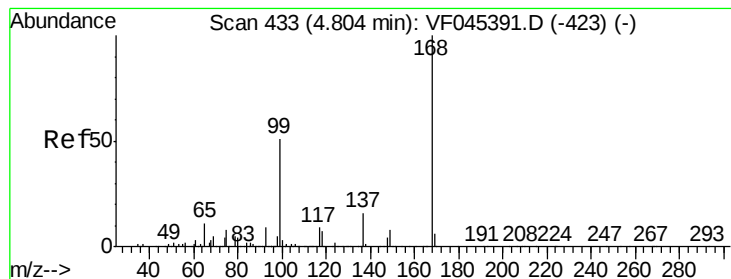
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.80 min Scan# 433

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

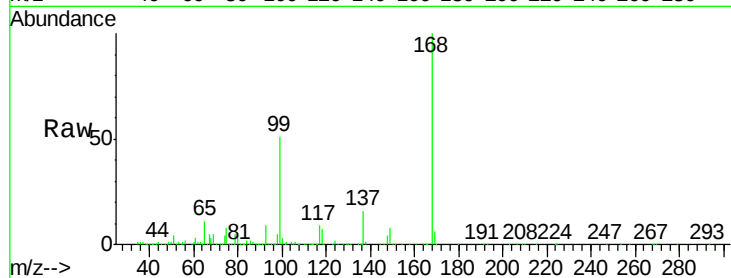
VSTDICCC050

Tot Ion:168 Resp: 1065904

Ion Ratio Lower Upper

168 100

99 51.0 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.80

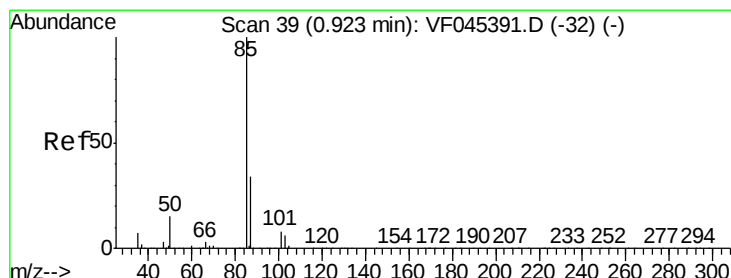
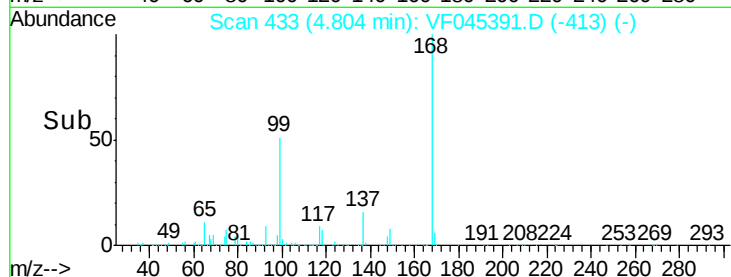
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 53.35 ug/l

RT: 0.92 min Scan# 39

Delta R.T. 0.00 min

Lab File: VF045391.D

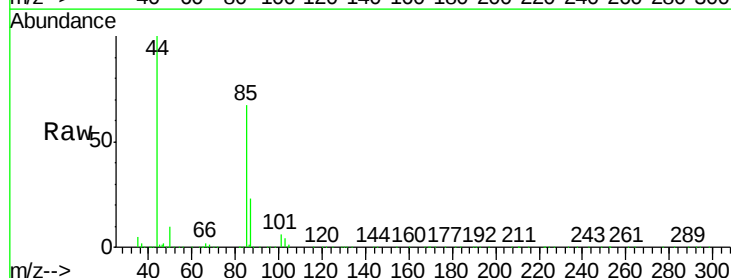
Acq: 16 Sep 2015 14:40

Tgt Ion: 85 Resp: 461560

Ion Ratio Lower Upper

85 100

87 34.0 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.92

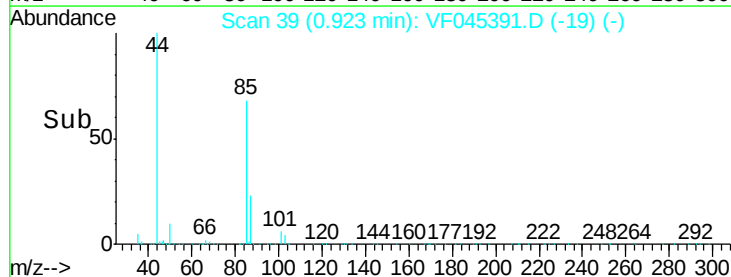
150000

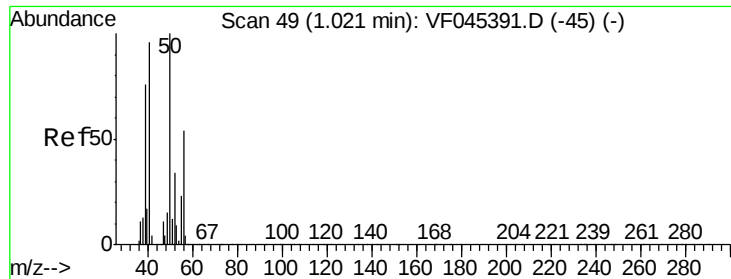
100000

50000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 43.77 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

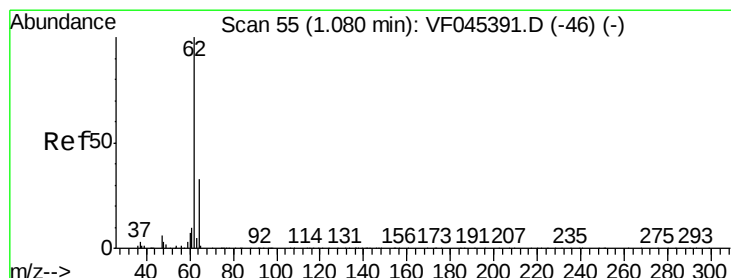
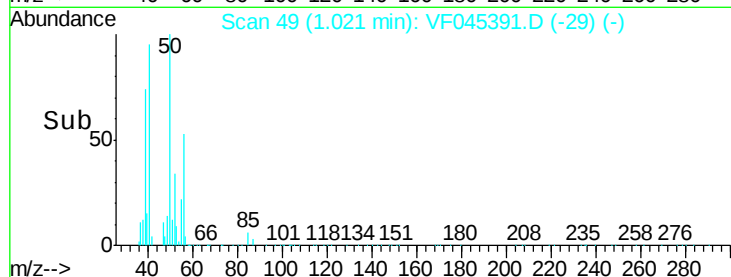
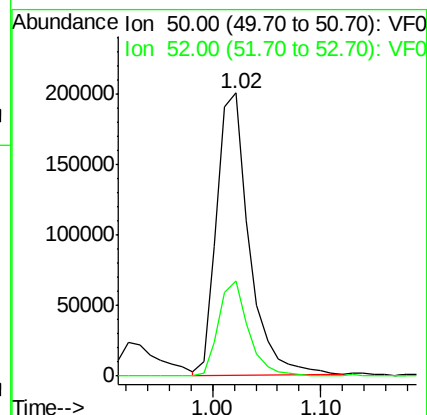
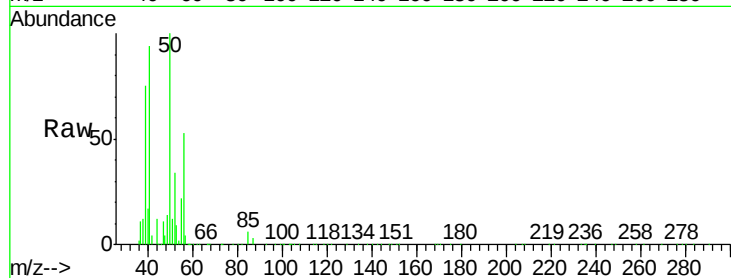
VSTDICCC050

Tot Ion: 50 Resp: 416027

Ion Ratio Lower Upper

50 100

52 33.5 23.8 35.8



#4

Vinyl Chloride

Concen: 45.58 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF045391.D

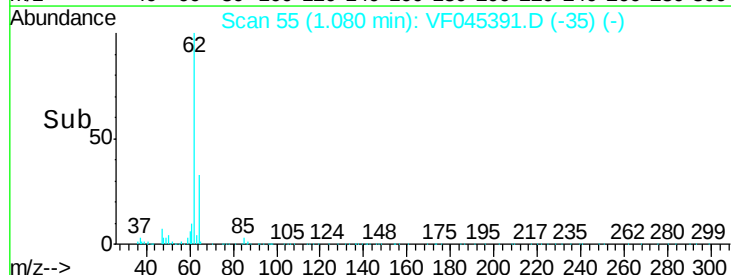
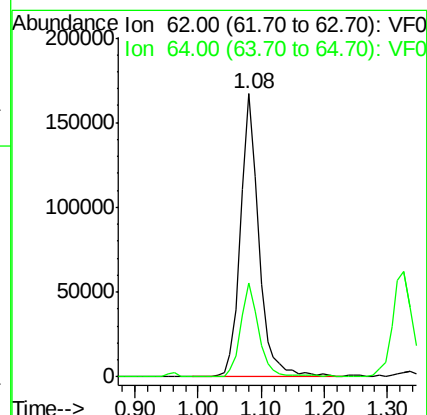
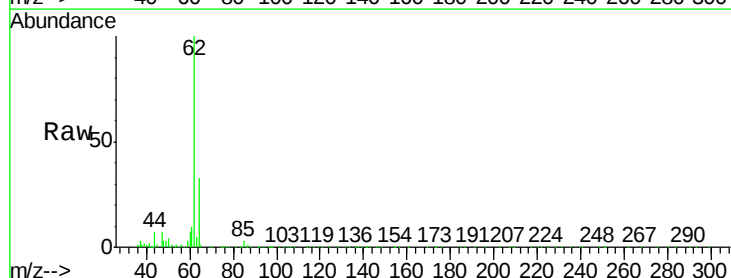
Acq: 16 Sep 2015 14:40

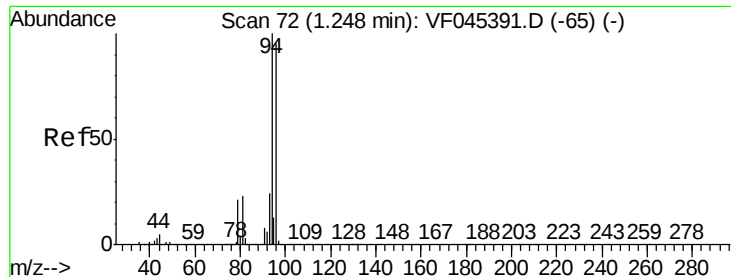
Tgt Ion: 62 Resp: 334205

Ion Ratio Lower Upper

62 100

64 33.0 26.6 39.8





#5

Bromomethane

Concen: 60.49 ug/l

RT: 1.25 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

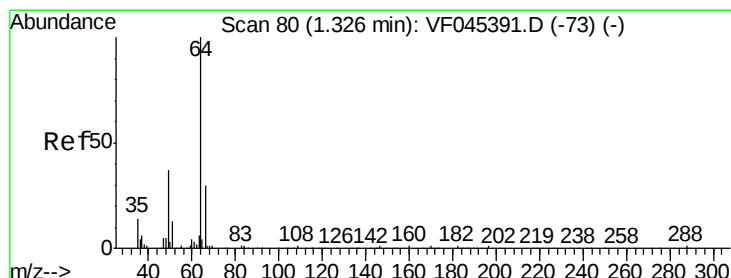
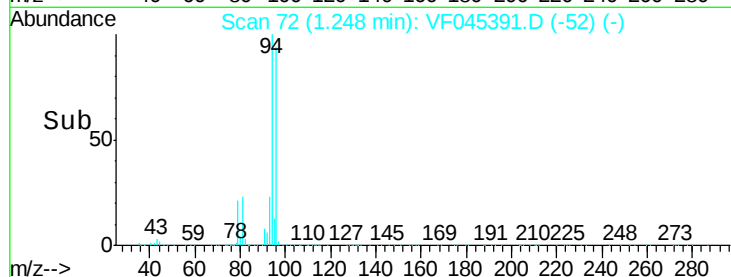
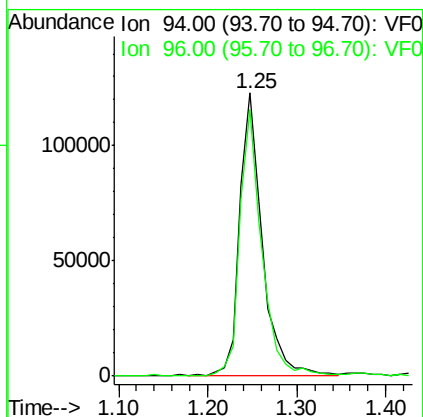
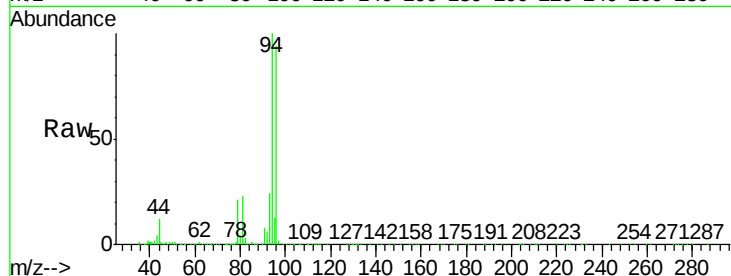
VSTDICCC050

Tot Ion: 94 Resp: 216473

Ion Ratio Lower Upper

94 100

96 94.4 75.0 112.4



#6

Chloroethane

Concen: 59.81 ug/l

RT: 1.33 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF045391.D

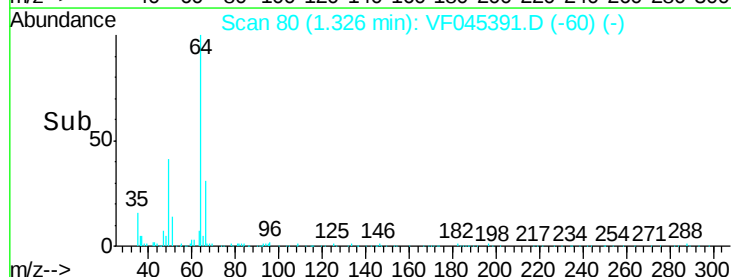
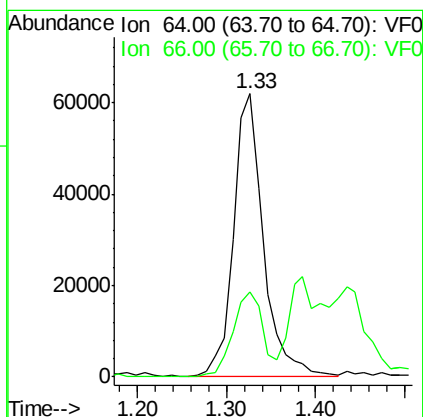
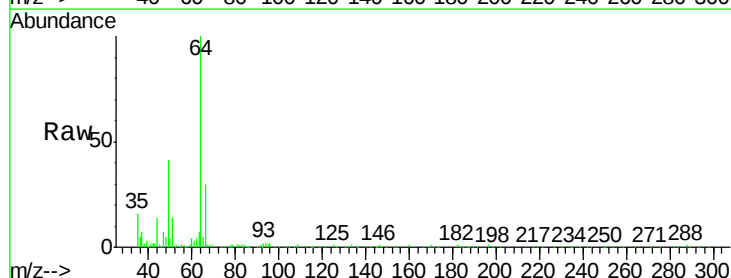
Acq: 16 Sep 2015 14:40

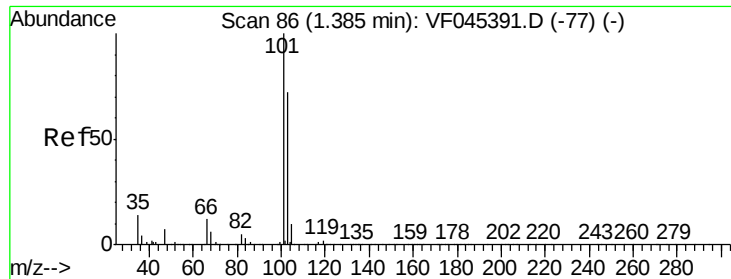
Tgt Ion: 64 Resp: 145576

Ion Ratio Lower Upper

64 100

66 30.0 27.3 40.9





#7

Trichlorofluoromethane

Concen: 24.56 ug/l

RT: 1.39 min Scan# 86

Delta R.T. 0.00 min

Lab File: VF045391.D

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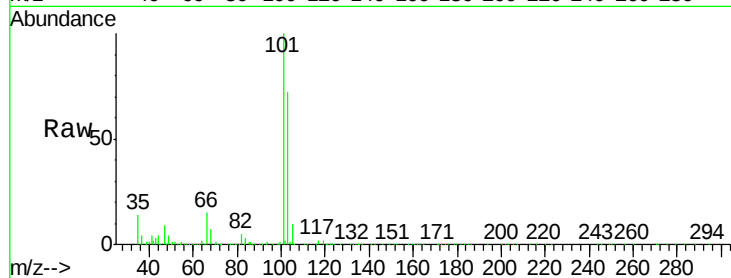
VSTDICCC050

Tot Ion:101 Resp: 292933

Ion Ratio Lower Upper

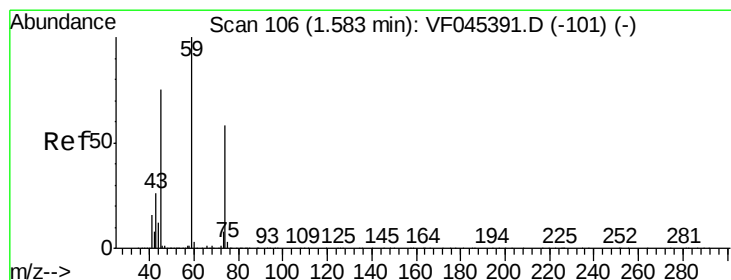
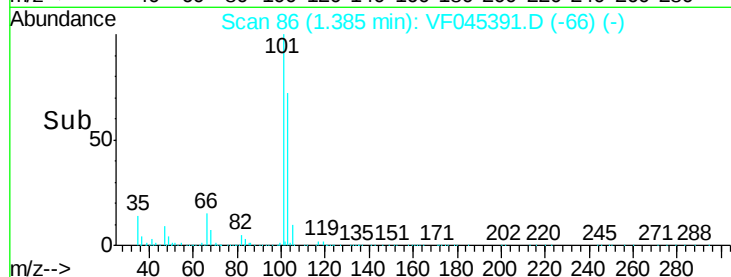
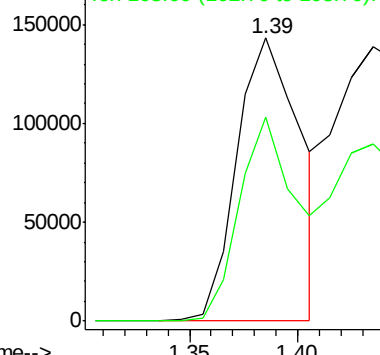
101 100

103 72.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.54 ug/l

RT: 1.58 min Scan# 106

Delta R.T. 0.00 min

Lab File: VF045391.D

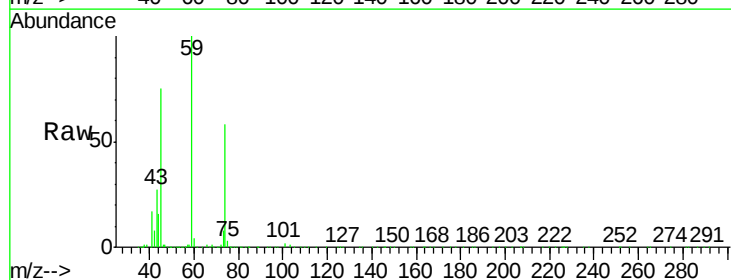
Acq: 16 Sep 2015 14:40

Tgt Ion: 74 Resp: 161016

Ion Ratio Lower Upper

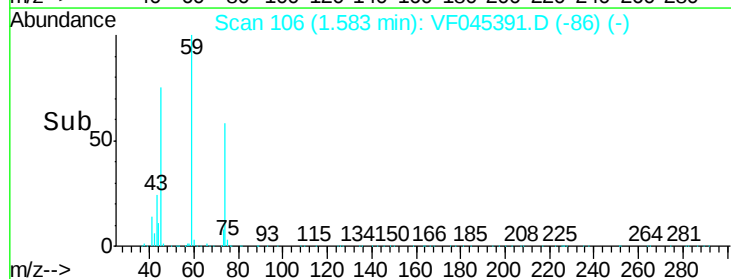
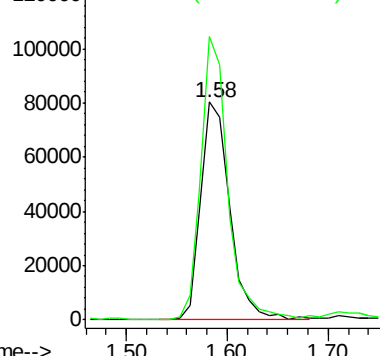
74 100

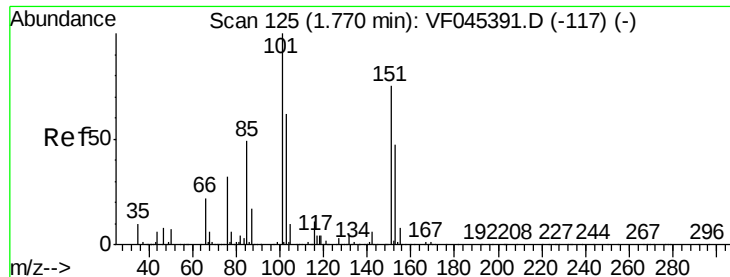
45 130.1 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.07 ug/l

RT: 1.77 min Scan# 125

Delta R.T. 0.00 min

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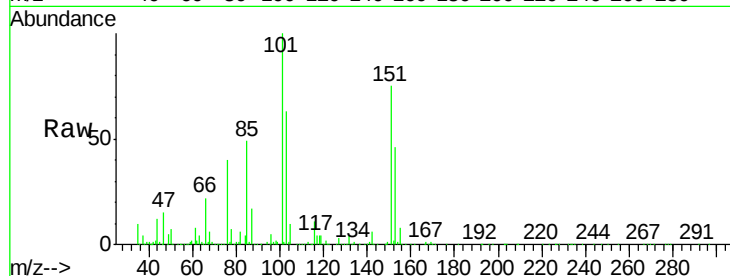
Tot Ion:101 Resp: 413339

Ion Ratio Lower Upper

101 100

85 49.2 40.0 60.0

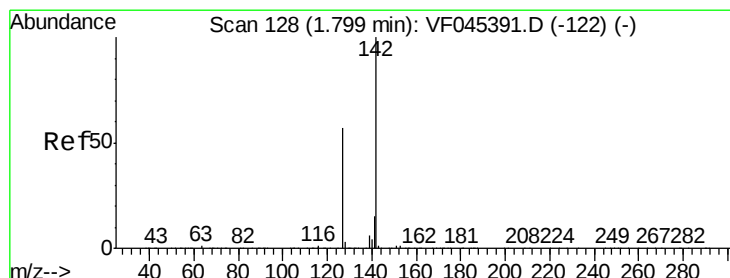
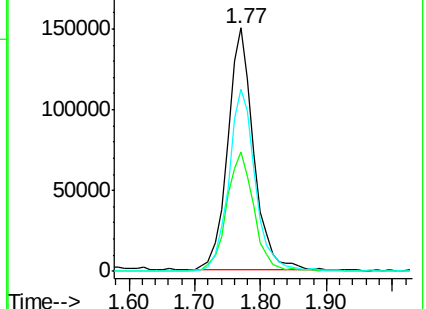
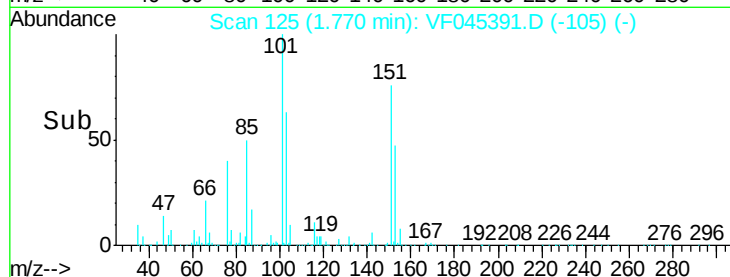
151 75.0 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 56.65 ug/l

RT: 1.80 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

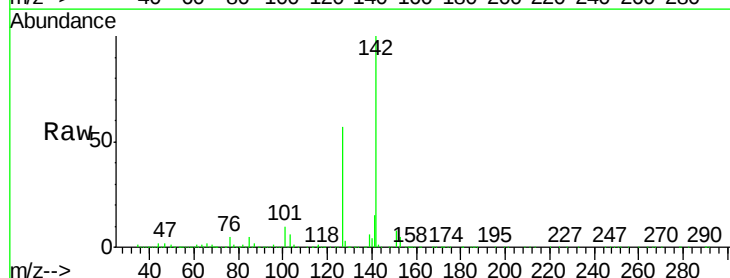
Tgt Ion:142 Resp: 850187

Ion Ratio Lower Upper

142 100

127 56.6 43.3 64.9

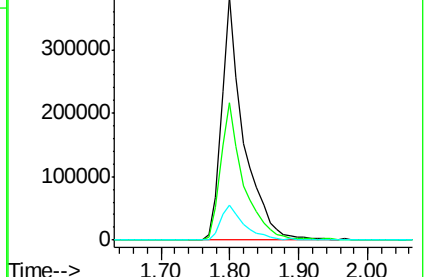
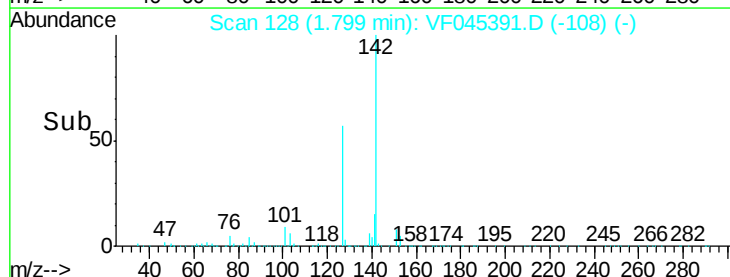
141 14.5 12.1 18.1

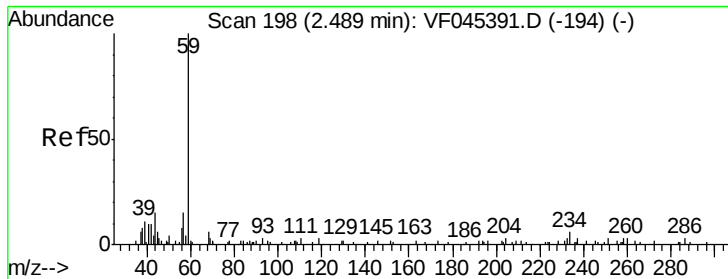


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



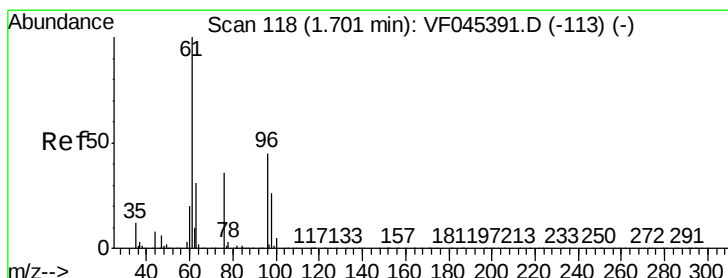
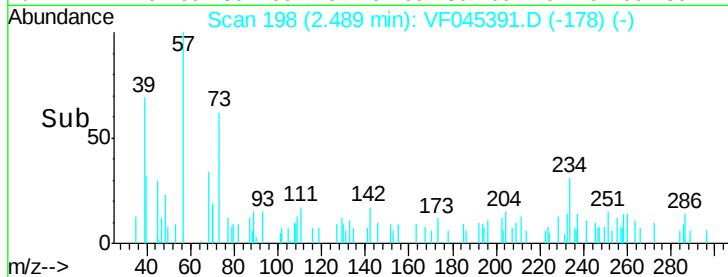
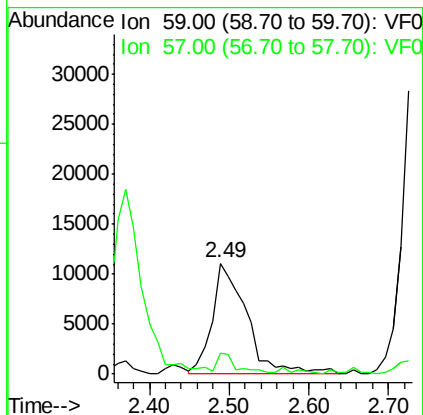
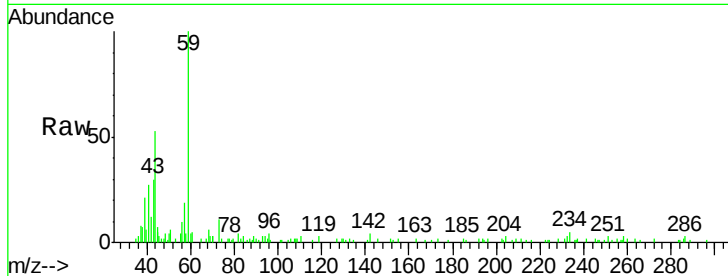


#11

Tert butyl alcohol
Concen: 268.19 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

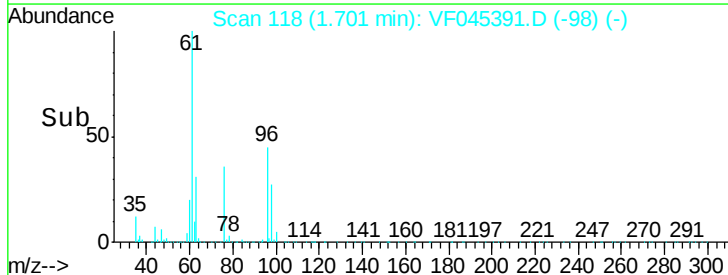
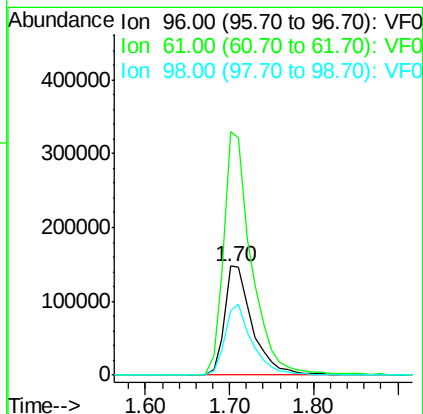
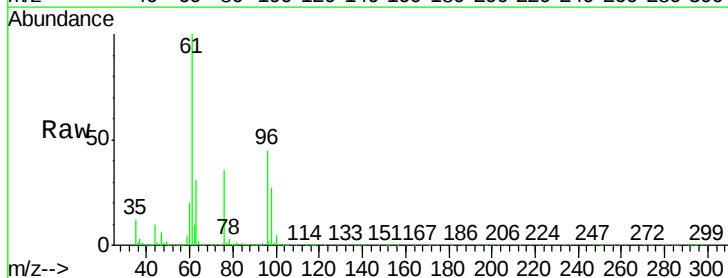
Tot Ion: 59 Resp: 34202
Ion Ratio Lower Upper
59 100
57 19.4 8.6 13.0#

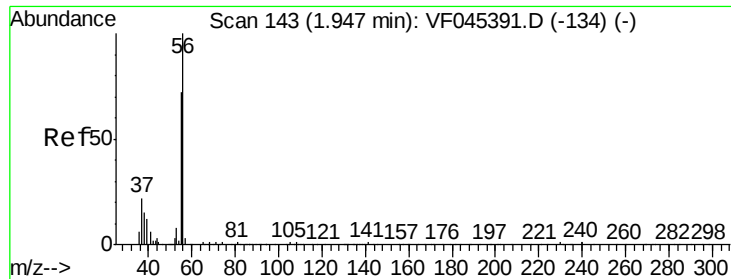


#12

1,1-Dichloroethene
Concen: 52.79 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion: 96 Resp: 337136
Ion Ratio Lower Upper
96 100
61 223.8 165.8 248.8
98 59.3 51.2 76.8

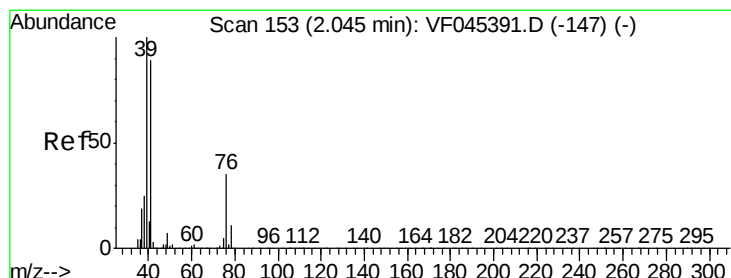
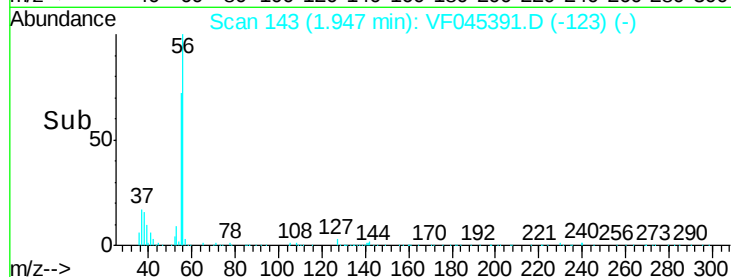
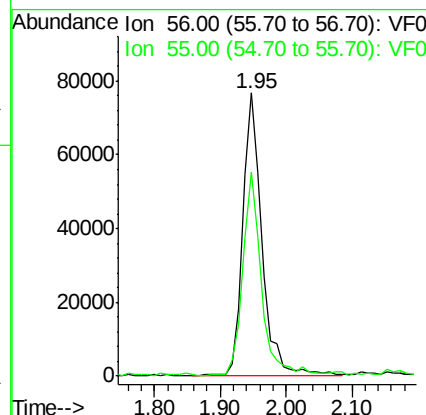
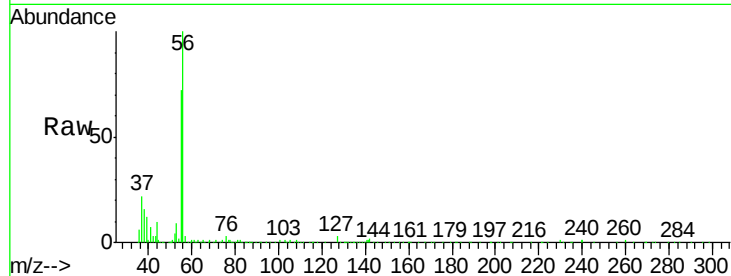




#13
Acrolein
Concen: 235.68 ug/l
RT: 1.95 min Scan# 143
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

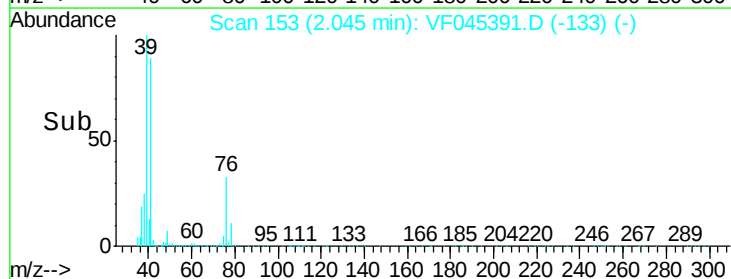
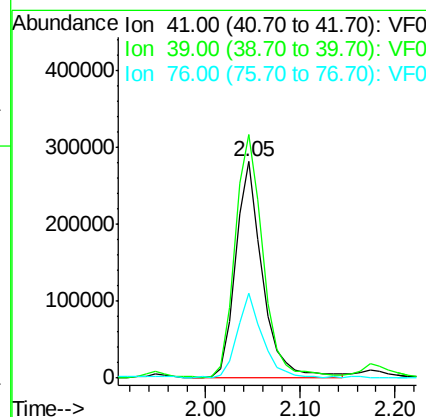
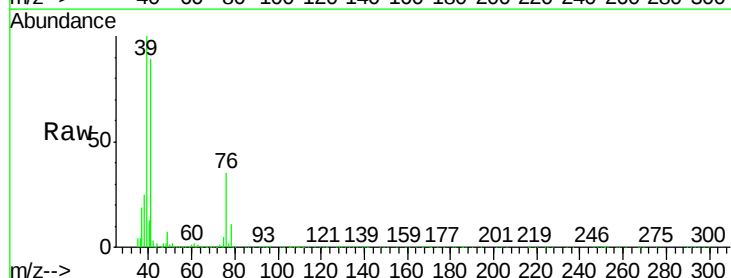
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

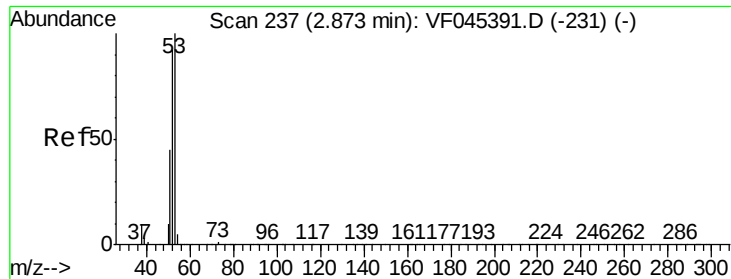
Tot Ion: 56 Resp: 156923
Ion Ratio Lower Upper
56 100
55 72.0 60.5 90.7



#14
Allyl chloride
Concen: 46.11 ug/l
RT: 2.05 min Scan# 153
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion: 41 Resp: 549526
Ion Ratio Lower Upper
41 100
39 112.6 92.8 139.2
76 39.5 27.7 41.5

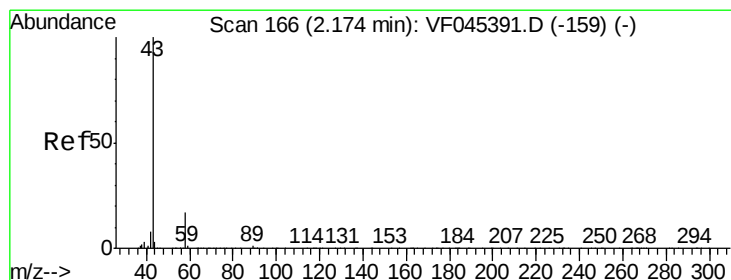
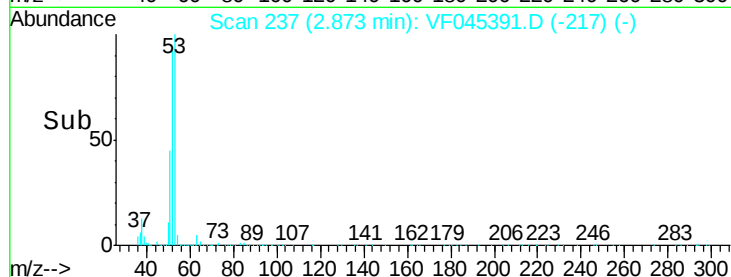
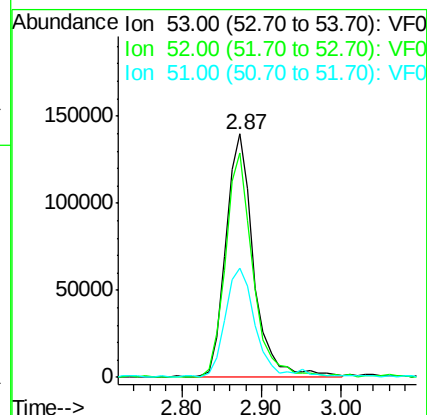
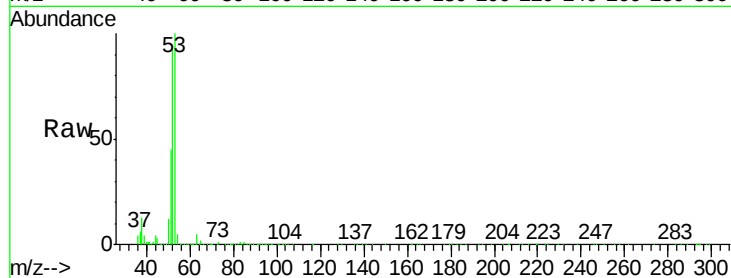




#15
 Acrylonitrile
 Concen: 222.49 ug/l
 RT: 2.87 min Scan# 237
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

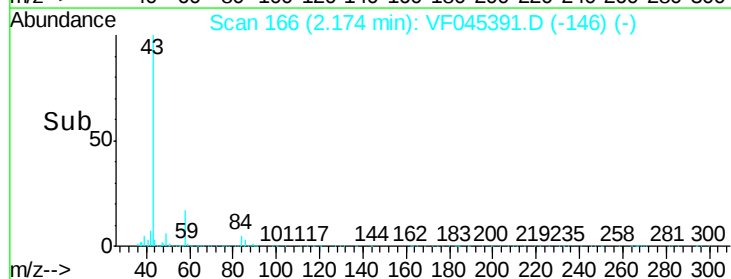
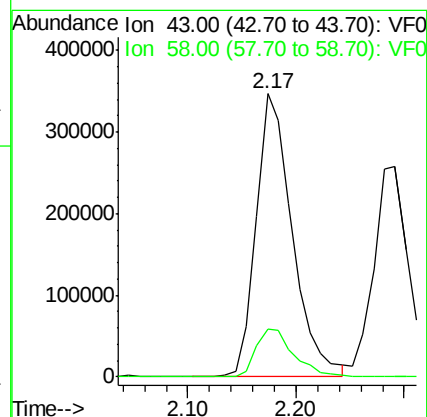
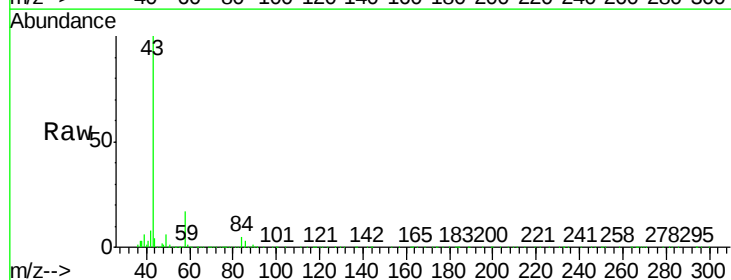
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

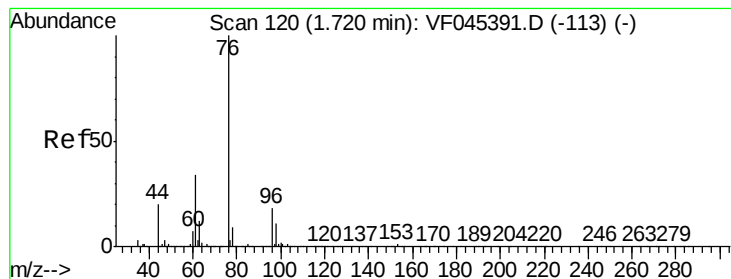
Tot Ion	53	Resp	344095
Ion Ratio	Lower	Upper	
53	100		
52	92.3	72.7	109.1
51	44.9	42.2	63.2



#16
 Acetone
 Concen: 291.18 ug/l
 RT: 2.17 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	43	Resp	801218
Ion Ratio	Lower	Upper	
43	100		
58	16.9	13.9	20.9





#17

Carbon Disulfide

Concen: 54.95 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

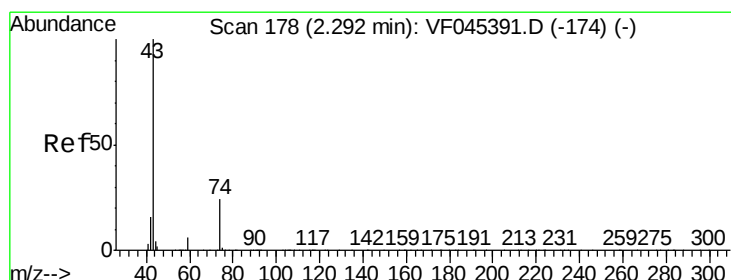
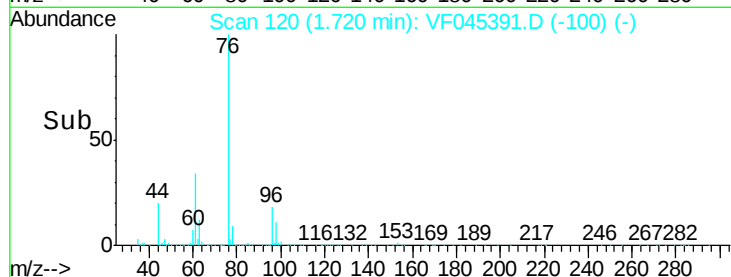
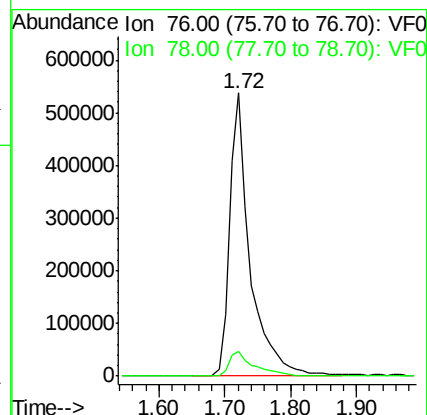
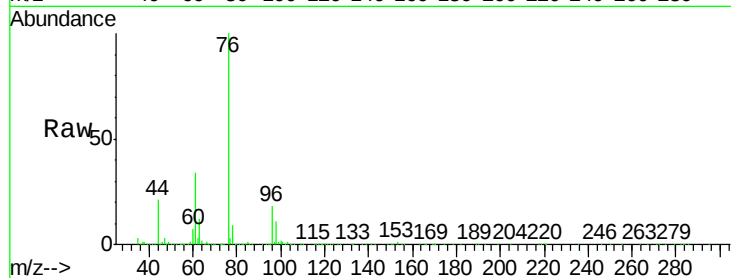
VSTDICCC050

Tot Ion: 76 Resp: 1164593

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4



#18

Methyl Acetate

Concen: 45.85 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF045391.D

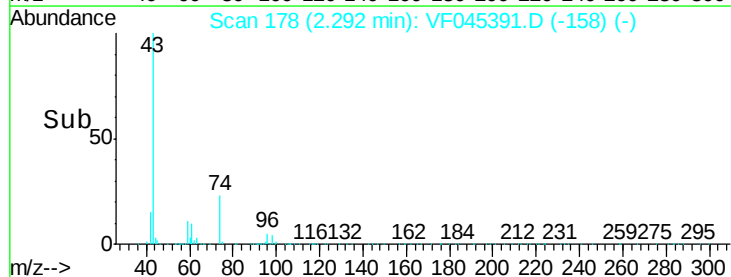
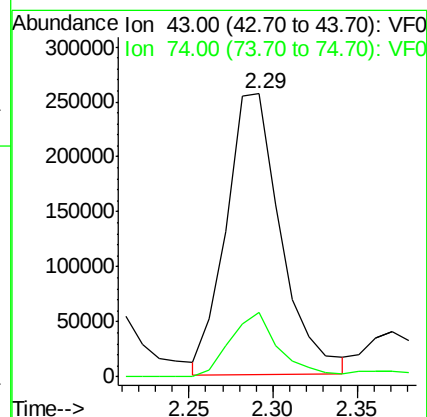
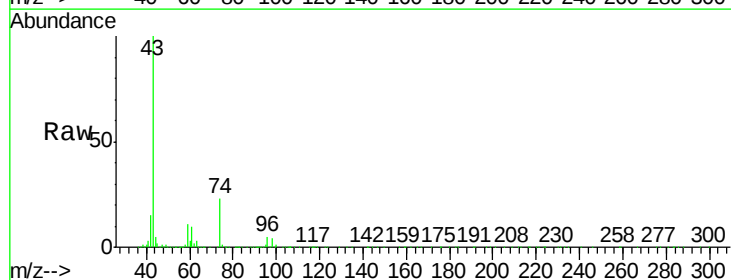
Acq: 16 Sep 2015 14:40

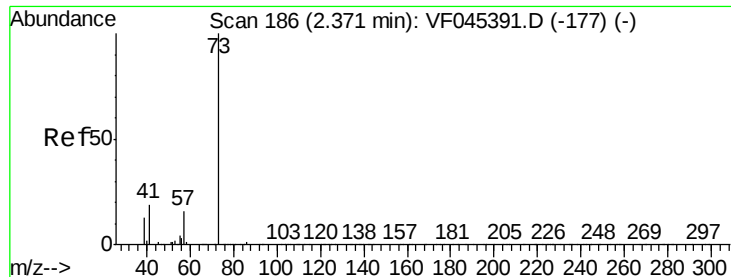
Tgt Ion: 43 Resp: 578890

Ion Ratio Lower Upper

43 100

74 22.8 15.1 22.7#



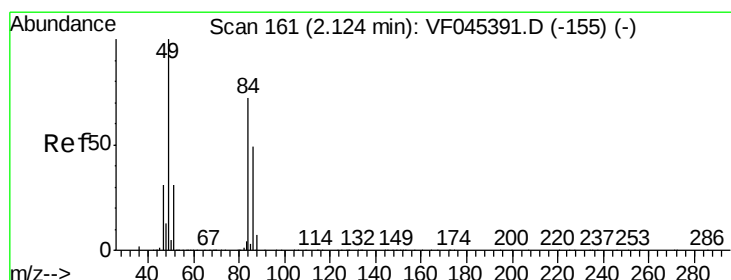
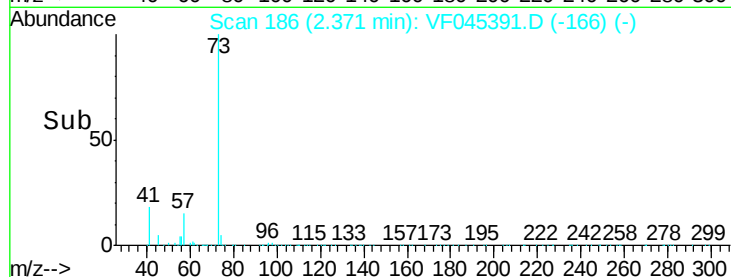
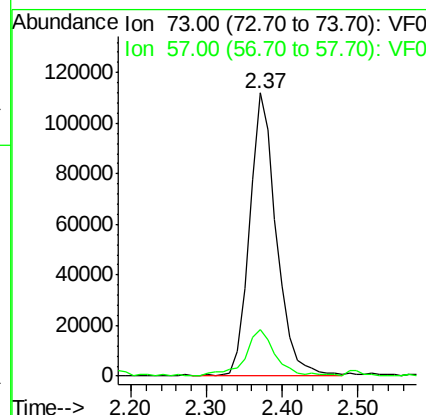
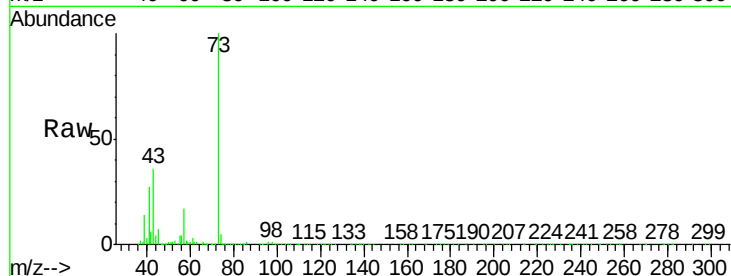


#19

Methyl tert-butyl Ether
 Concen: 55.18 ug/l
 RT: 2.37 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

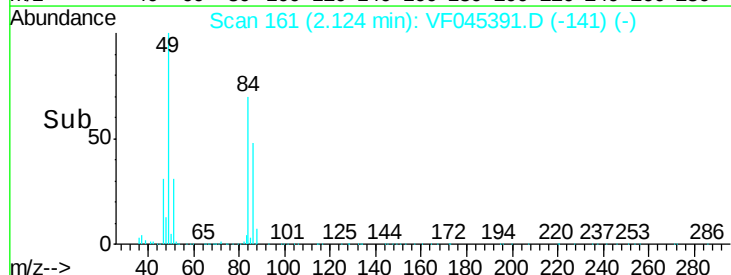
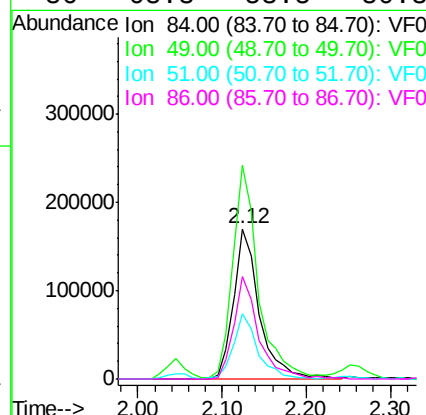
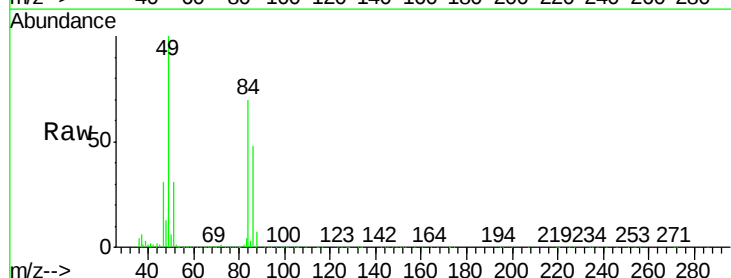
Tot Ion: 73 Resp: 275462
 Ion Ratio Lower Upper
 73 100
 57 16.6 12.9 19.3

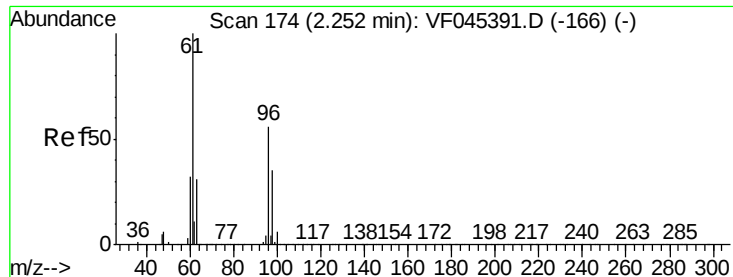


#20

Methylene Chloride
 Concen: 50.38 ug/l
 RT: 2.12 min Scan# 161
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion: 84 Resp: 363393
 Ion Ratio Lower Upper
 84 100
 49 142.2 122.8 184.2
 51 43.7 35.4 53.2
 86 68.3 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 51.36 ug/l

RT: 2.25 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

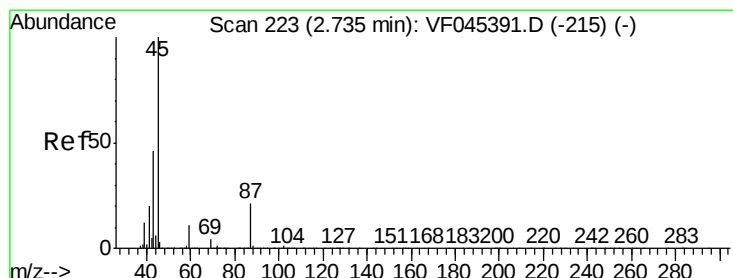
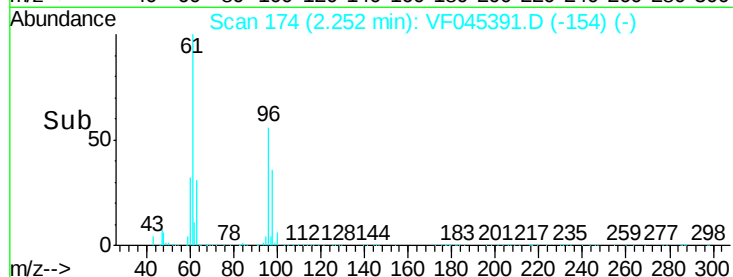
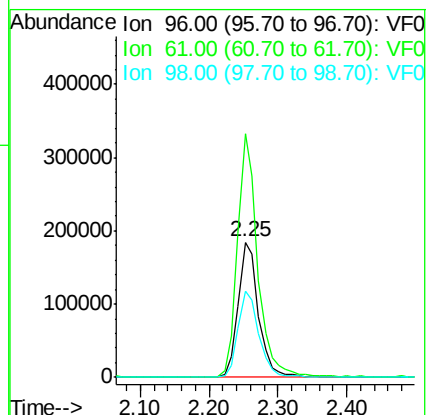
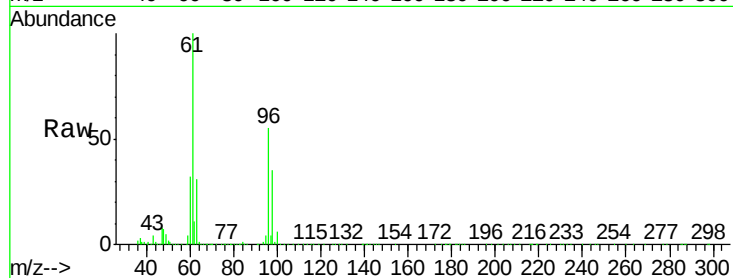
Tot Ion: 96 Resp: 379978

Ion Ratio Lower Upper

96 100

61 180.2 136.8 205.2

98 63.5 51.0 76.4



#22

Diisopropyl ether

Concen: 45.25 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion: 45 Resp: 1179619

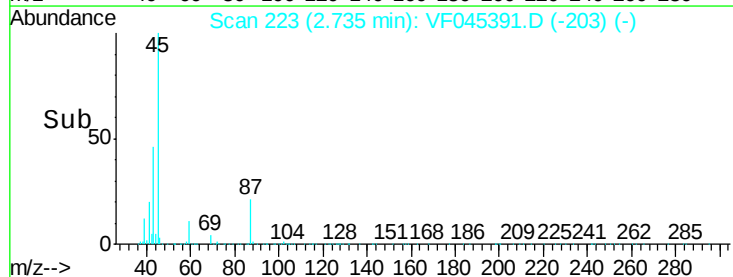
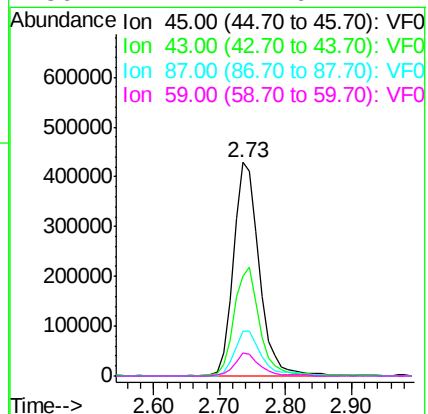
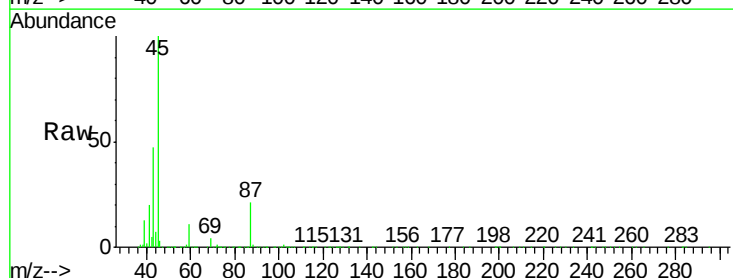
Ion Ratio Lower Upper

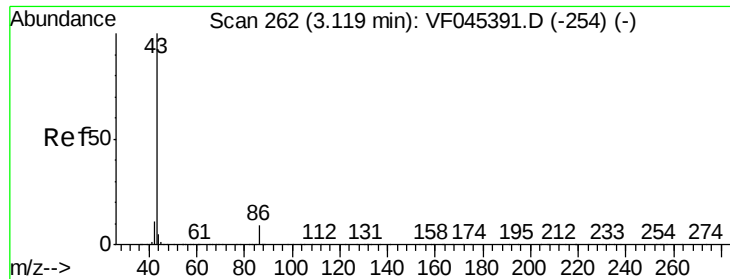
45 100

43 46.8 42.2 63.4

87 20.9 16.6 25.0

59 11.1 7.6 11.4





#23

Vinyl Acetate

Concen: 220.27 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

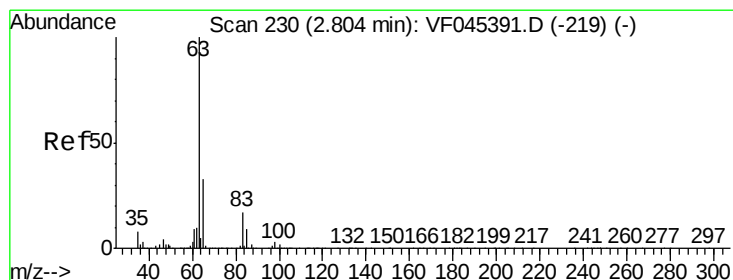
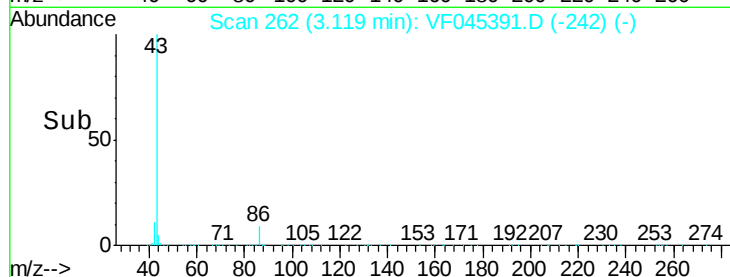
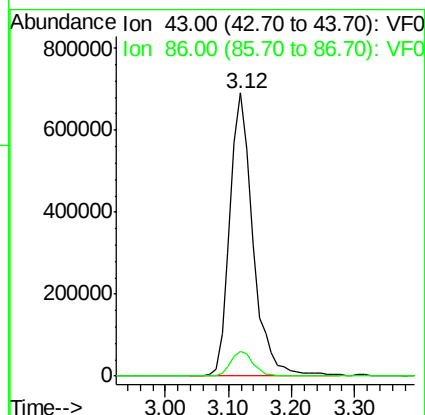
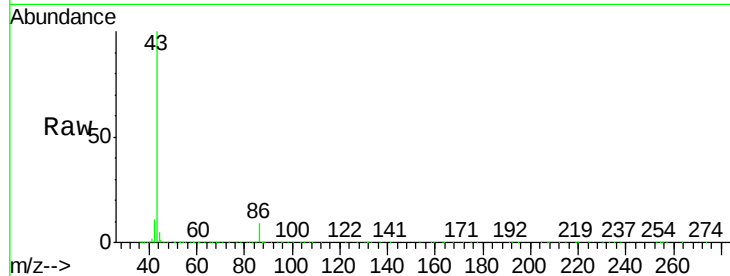
VSTDICCC050

Tot Ion: 43 Resp: 1752590

Ion Ratio Lower Upper

43 100

86 8.8 6.3 9.5



#24

1,1-Dichloroethane

Concen: 49.69 ug/l

RT: 2.80 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

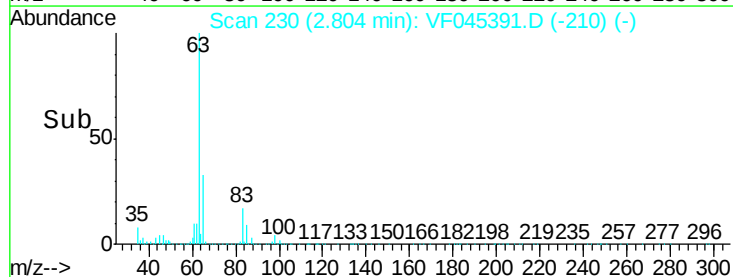
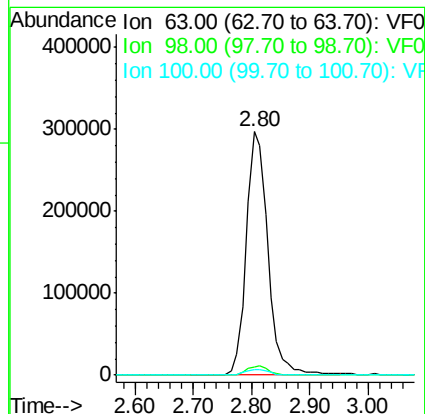
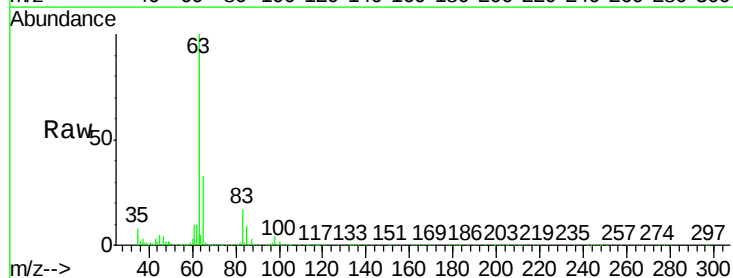
Tgt Ion: 63 Resp: 771705

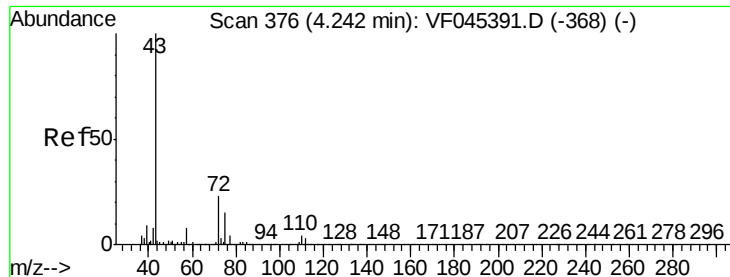
Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

100 2.3 1.1 3.5





#25

2-Butanone

Concen: 224.71 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

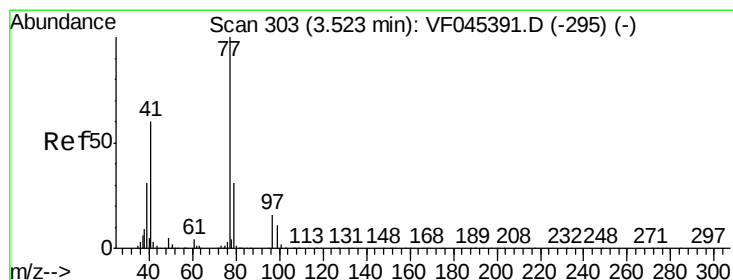
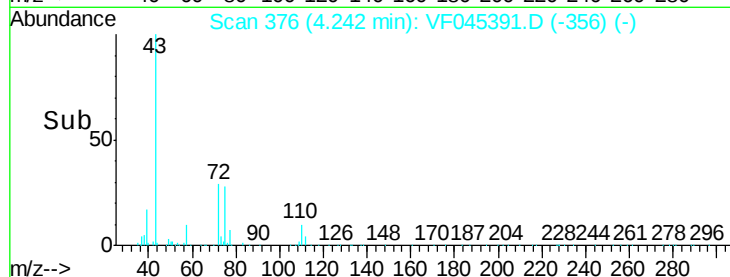
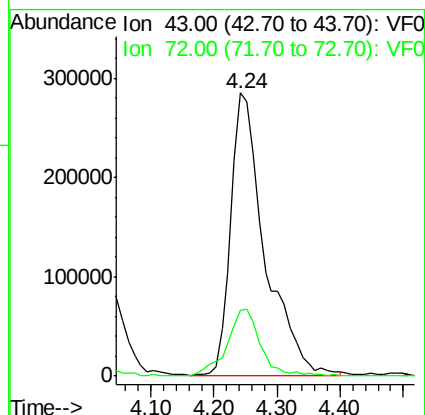
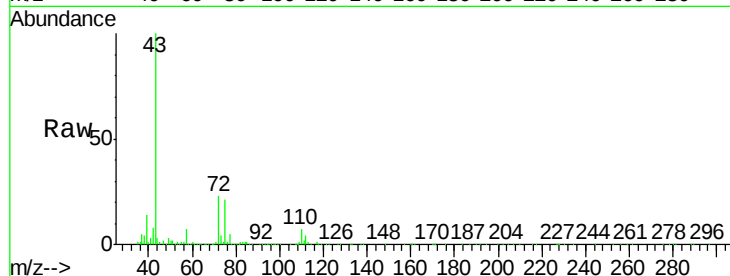
VSTDICCC050

Tot Ion: 43 Resp: 1060406

Ion Ratio Lower Upper

43 100

72 23.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 50.87 ug/l

RT: 3.52 min Scan# 303

Delta R.T. 0.00 min

Lab File: VF045391.D

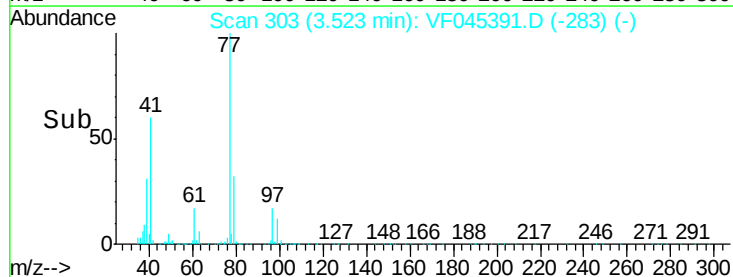
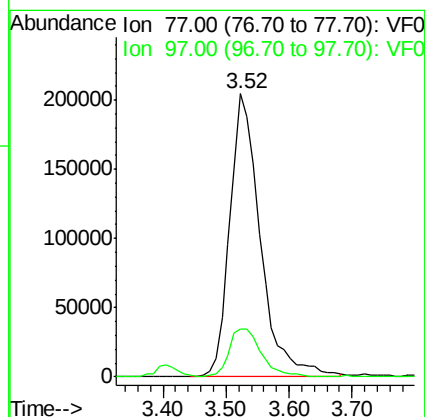
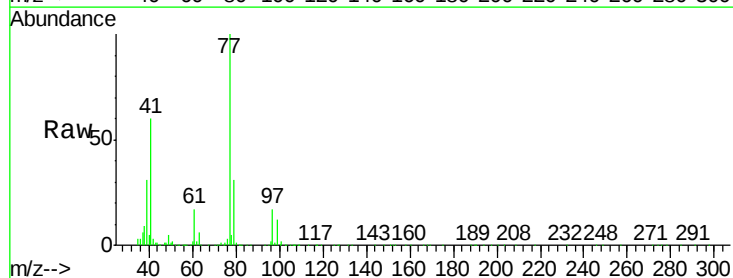
Acq: 16 Sep 2015 14:40

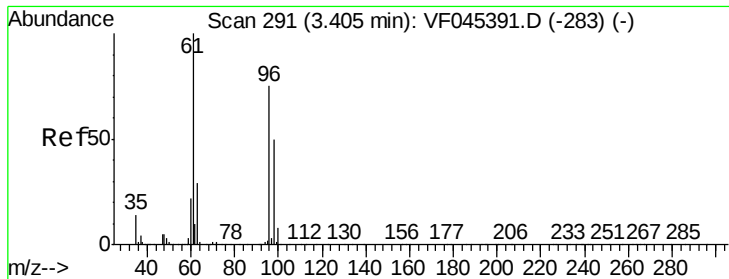
Tgt Ion: 77 Resp: 686747

Ion Ratio Lower Upper

77 100

97 16.7 9.2 27.4



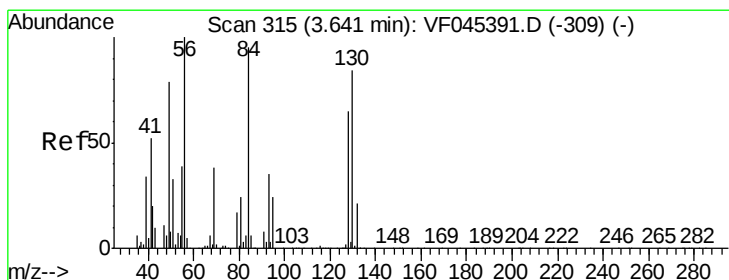
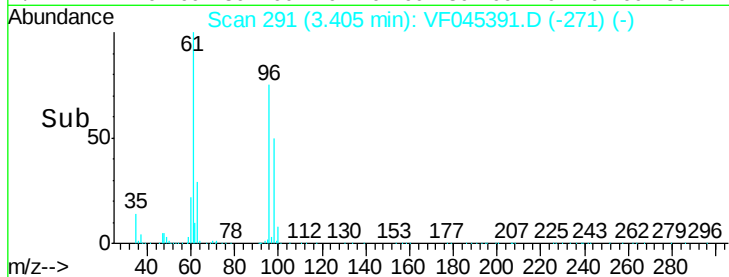
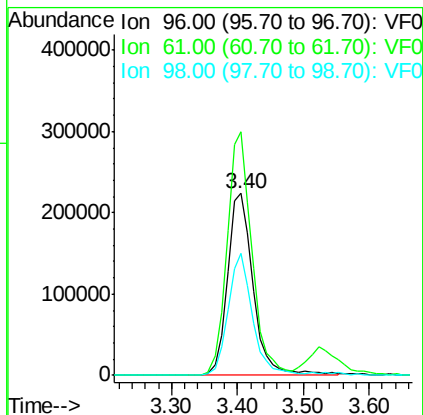
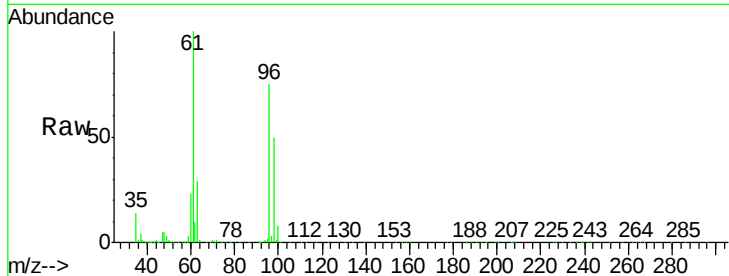


#27

cis-1,2-Dichloroethene
Concen: 52.36 ug/l
RT: 3.40 min Scan# 291
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

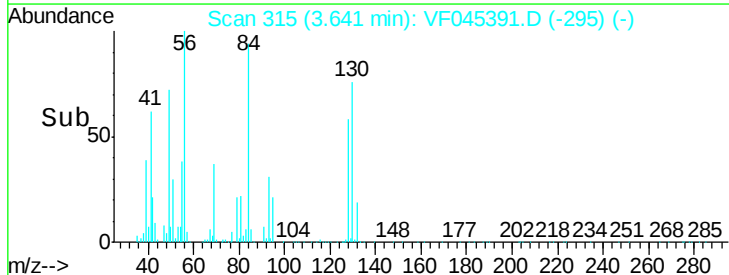
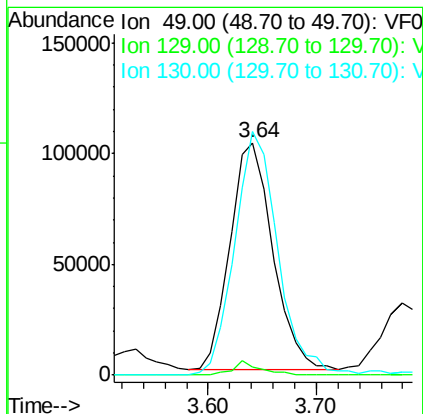
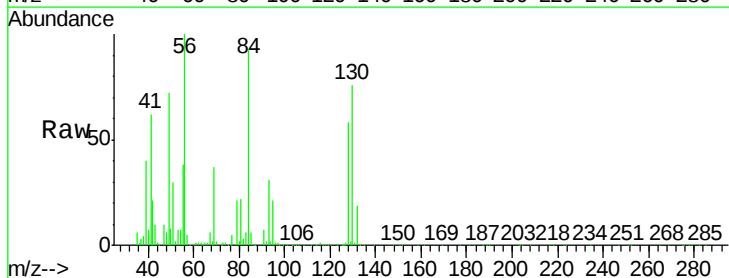
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	268.6
98	67.4	0.0	135.8

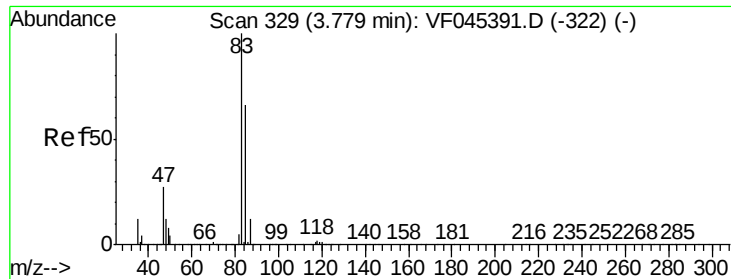


#28

Bromochloromethane
Concen: 34.88 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	0.0#
130	104.9	79.6	119.4





#29

Chloroform

Concen: 52.67 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

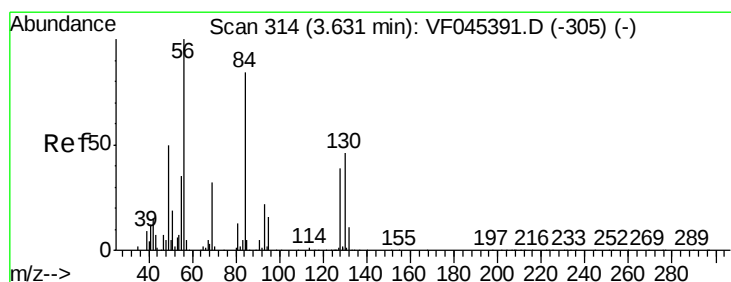
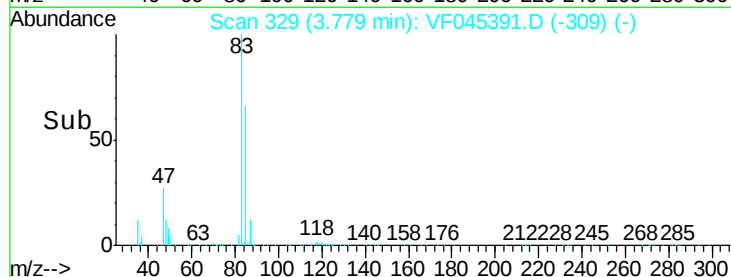
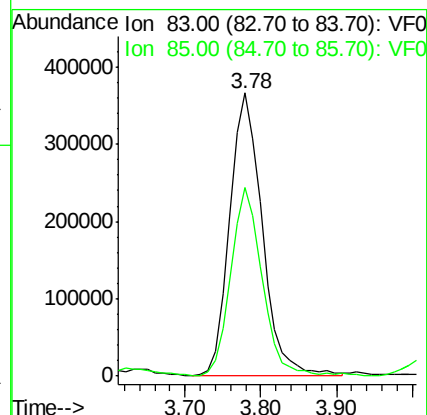
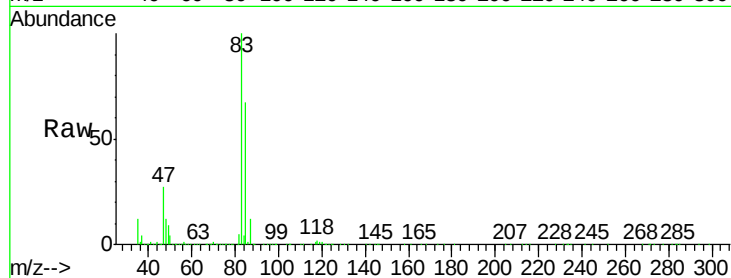
VSTDICCC050

Tot Ion: 83 Resp: 1084344

Ion Ratio Lower Upper

83 100

85 66.5 51.6 77.4



#30

Cyclohexane

Concen: 42.84 ug/l

RT: 3.63 min Scan# 314

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

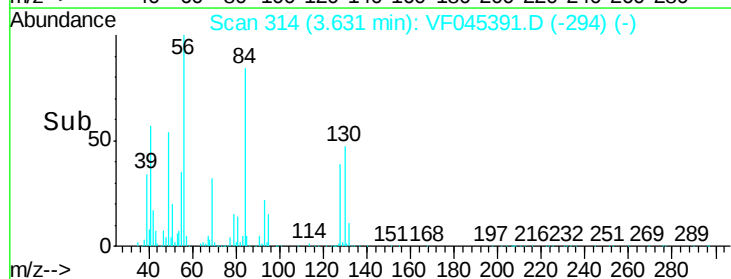
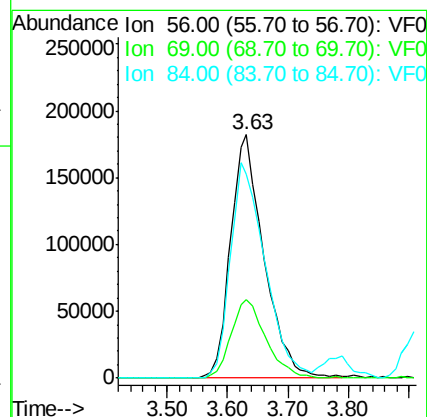
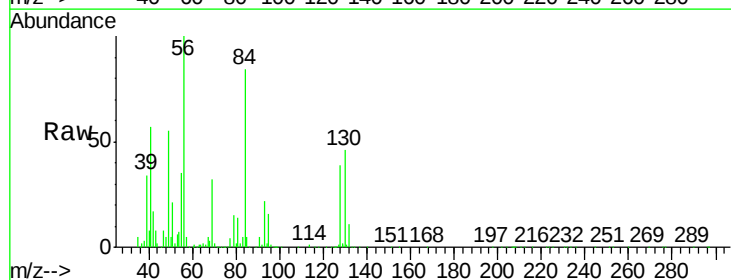
Tgt Ion: 56 Resp: 695372

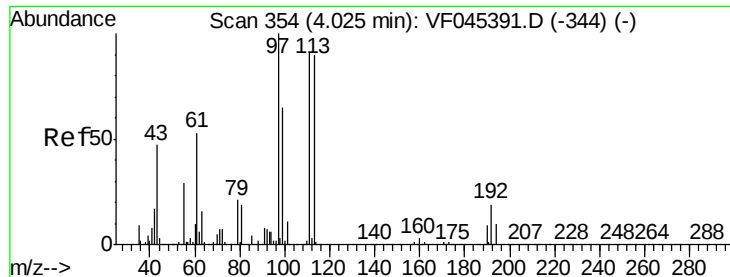
Ion Ratio Lower Upper

56 100

69 32.3 26.1 39.1

84 84.0 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 55.45 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

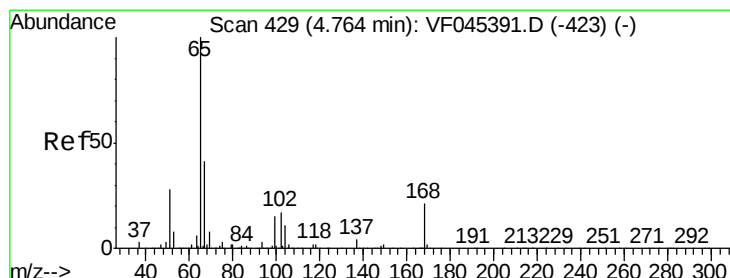
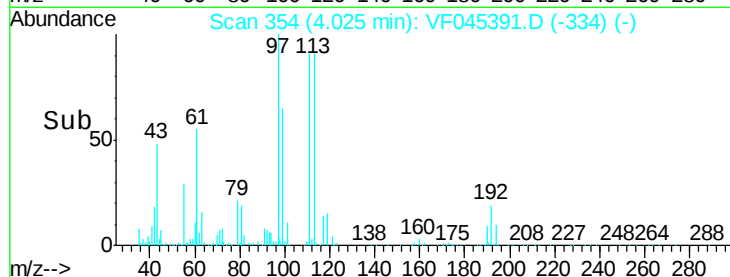
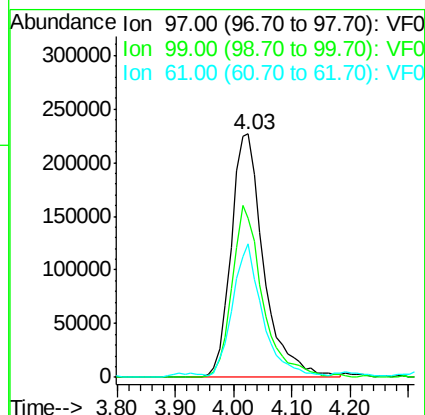
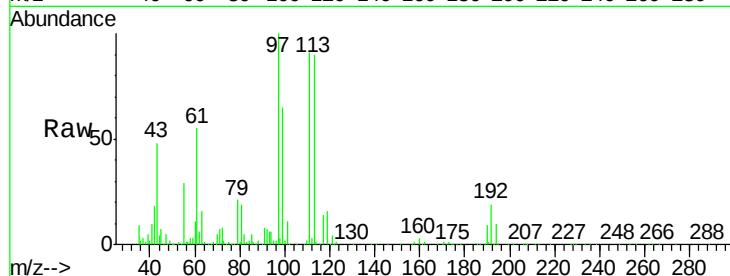
Tot Ion: 97 Resp: 884761

Ion Ratio Lower Upper

97 100

99 65.2 51.1 76.7

61 54.8 37.8 56.6



#32

1,2-Dichloroethane-d4

Concen: 53.19 ug/l

RT: 4.76 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF045391.D

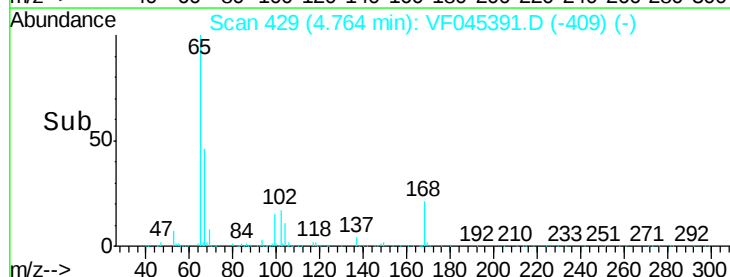
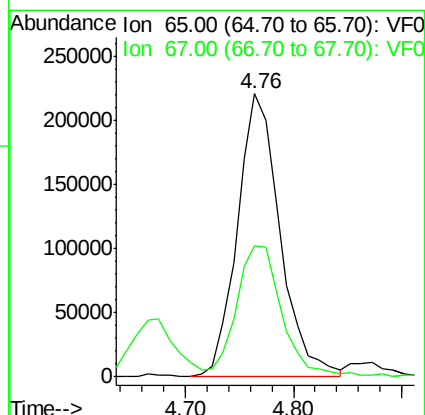
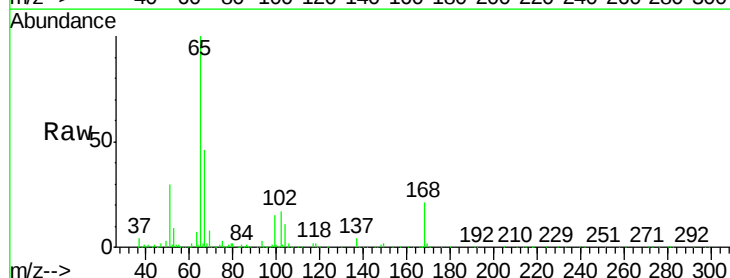
Acq: 16 Sep 2015 14:40

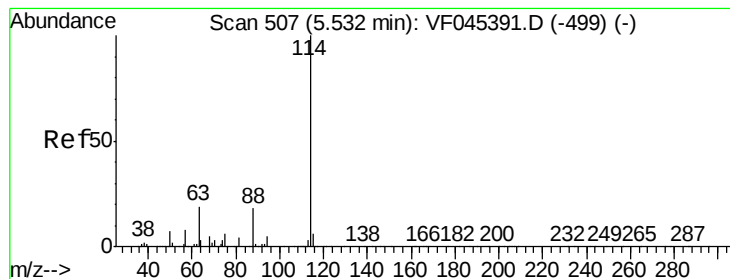
Tgt Ion: 65 Resp: 598714

Ion Ratio Lower Upper

65 100

67 46.2 0.0 102.2





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.53 min Scan# 507

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

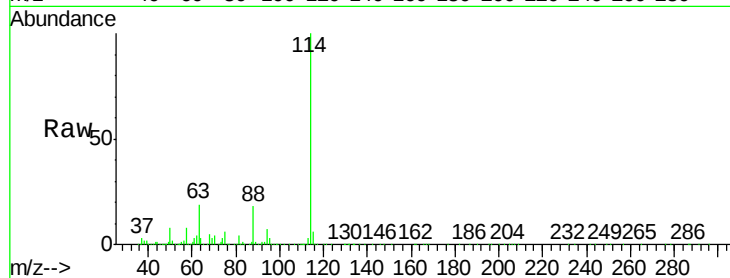
Tot Ion:114 Resp: 1601896

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

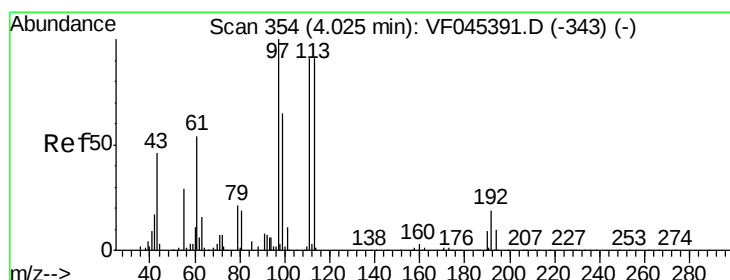
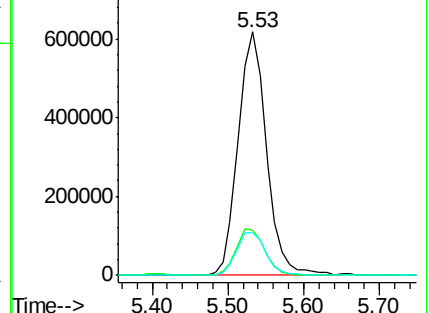
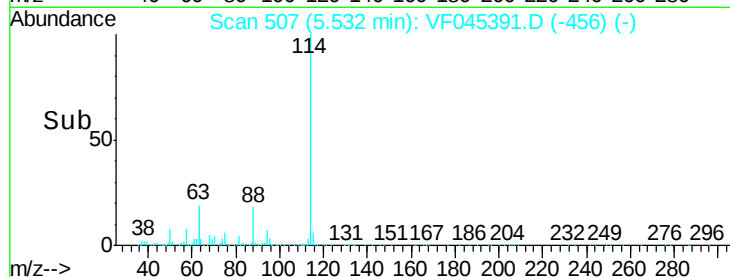
88 17.5 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#34

Dibromofluoromethane

Concen: 51.46 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

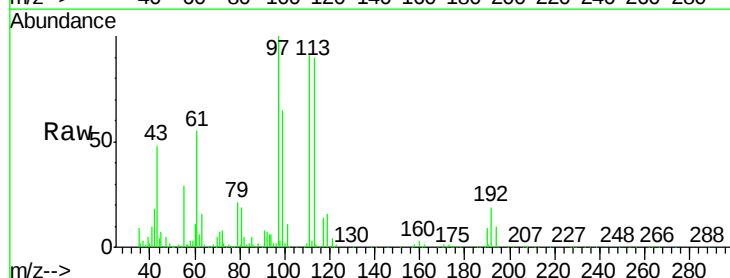
Tgt Ion:113 Resp: 631883

Ion Ratio Lower Upper

113 100

111 100.6 75.5 113.3

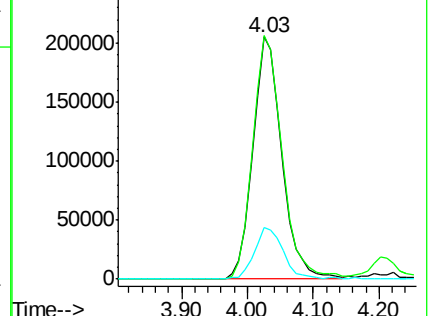
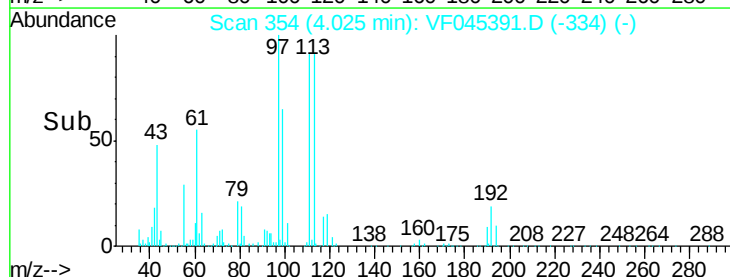
192 21.2 15.6 23.4

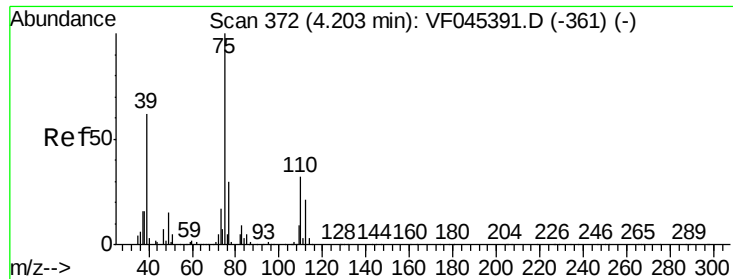


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#35

1,1-Dichloropropene

Concen: 51.46 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

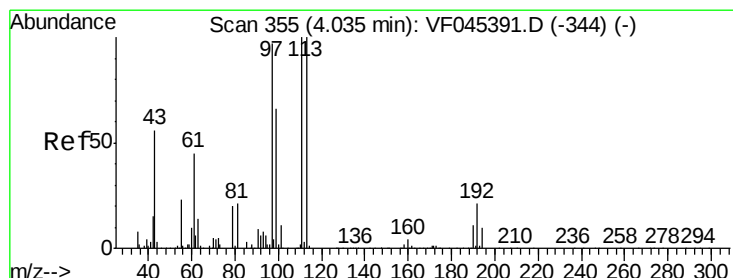
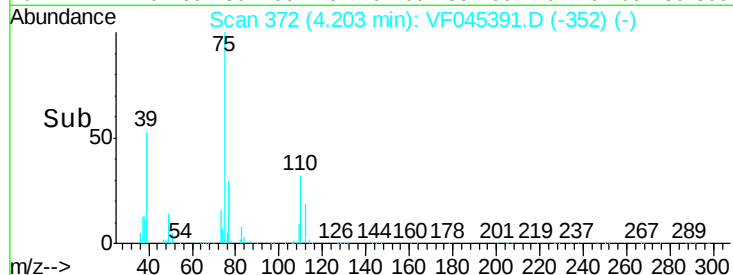
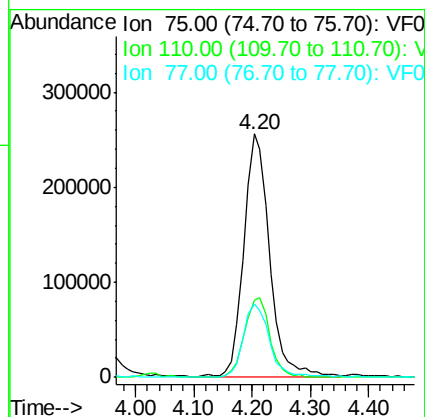
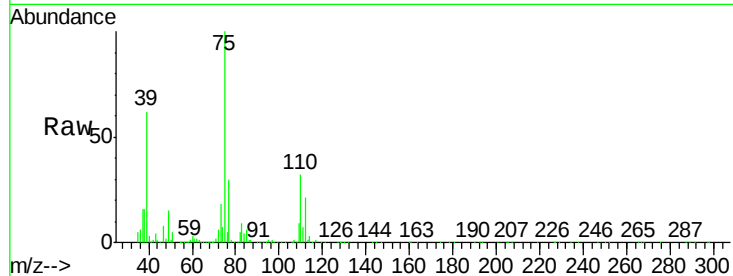
Tot Ion: 75 Resp: 784686

Ion Ratio Lower Upper

75 100

110 31.9 15.9 47.6

77 30.0 24.2 36.4



#36

Ethyl Acetate

Concen: 47.56 ug/l

RT: 4.04 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

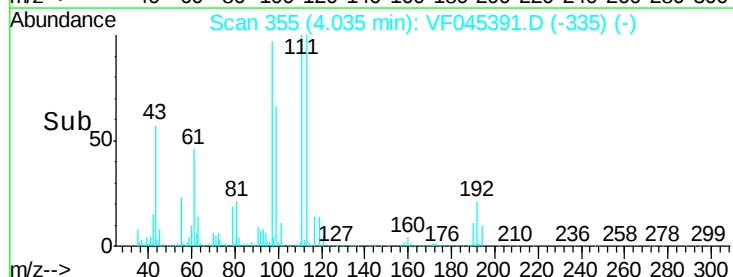
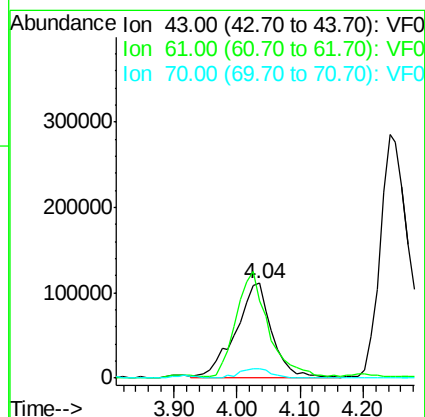
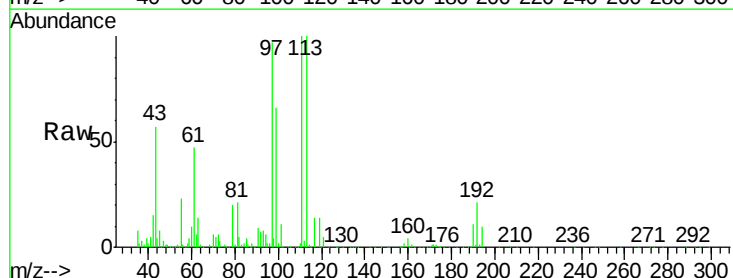
Tgt Ion: 43 Resp: 435549

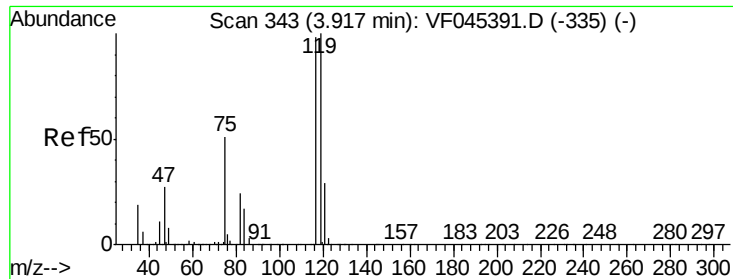
Ion Ratio Lower Upper

43 100

61 81.3 49.4 74.0#

70 10.3 10.8 16.2#





#37

Carbon Tetrachloride

Concen: 62.31 ug/l

RT: 3.92 min Scan# 343

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

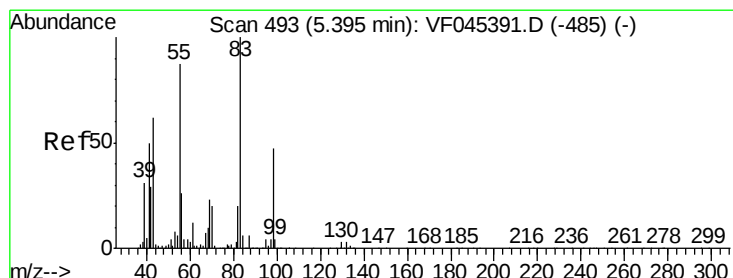
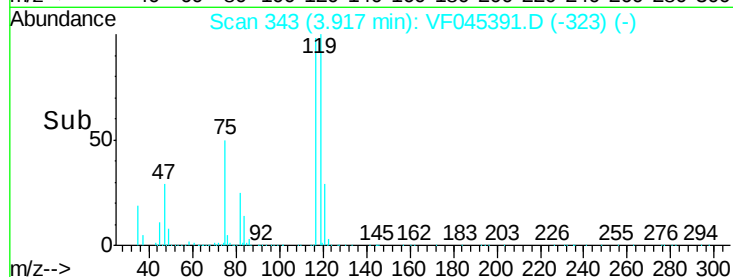
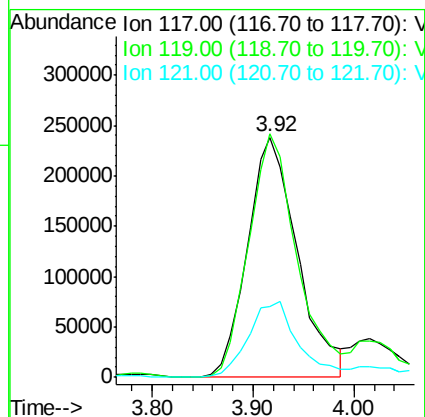
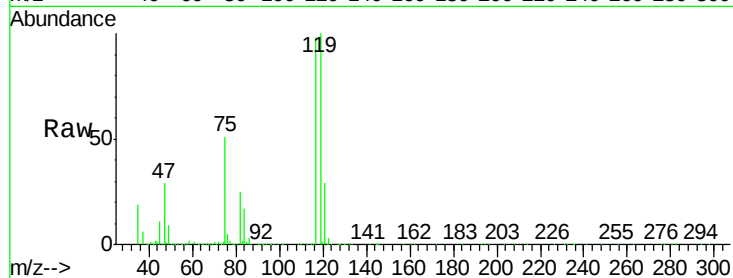
Tot Ion:117 Resp: 816339

Ion Ratio Lower Upper

117 100

119 101.5 77.8 116.8

121 29.3 25.4 38.0



#38

Methylcyclohexane

Concen: 48.46 ug/l

RT: 5.39 min Scan# 493

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

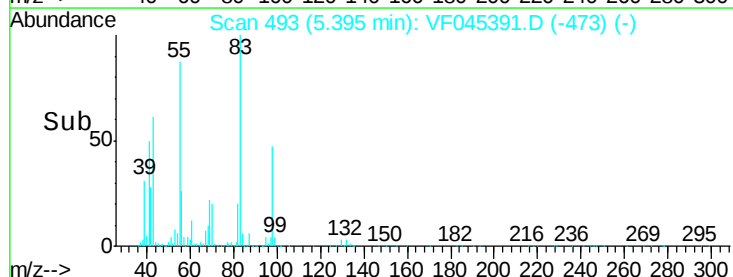
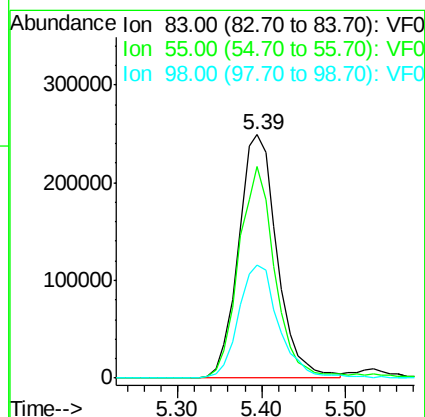
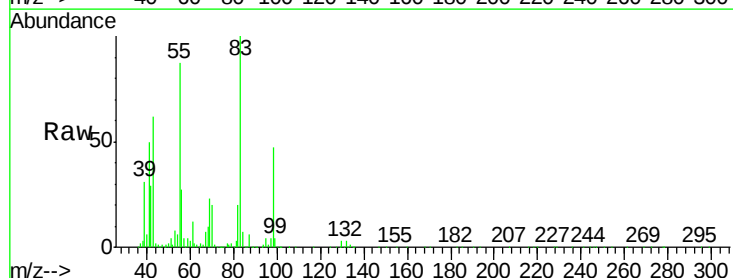
Tgt Ion: 83 Resp: 798124

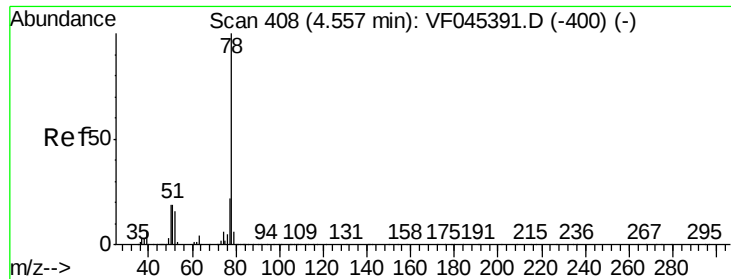
Ion Ratio Lower Upper

83 100

55 87.1 60.5 90.7

98 46.7 38.1 57.1





#39

Benzene

Concen: 46.66 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

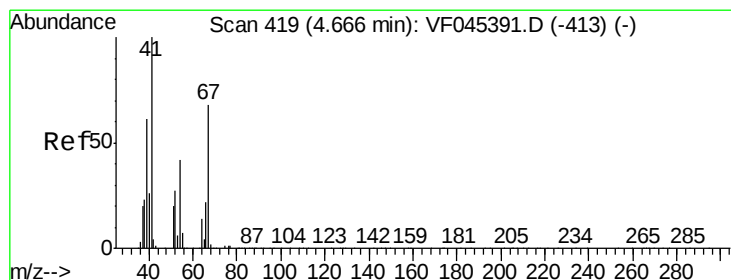
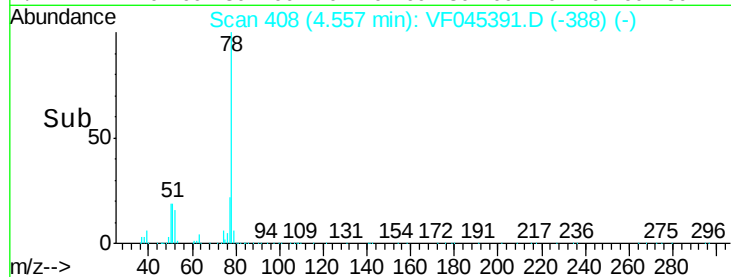
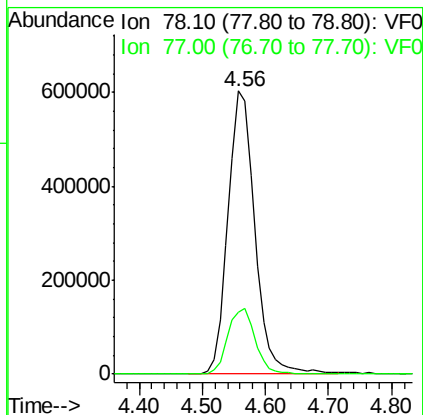
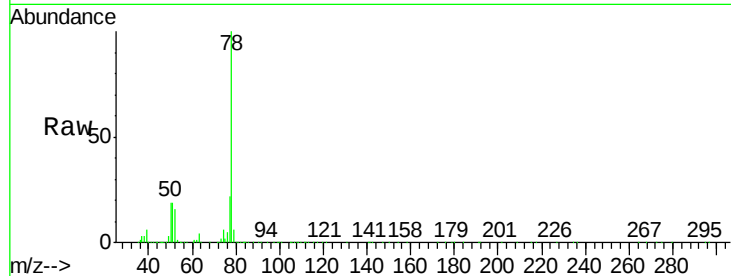
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 78 Resp: 1784021

Ion Ratio Lower Upper

78 100

77 21.9 18.6 28.0



#40

Methacrylonitrile

Concen: 47.21 ug/l

RT: 4.67 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion: 41 Resp: 204780

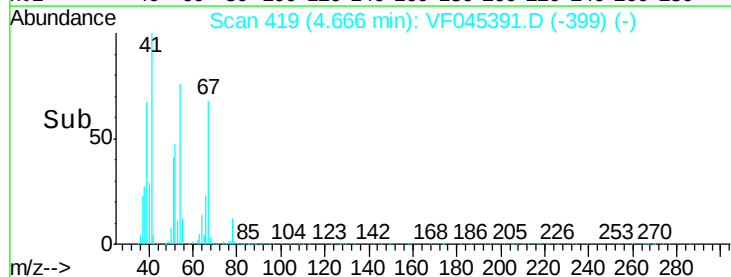
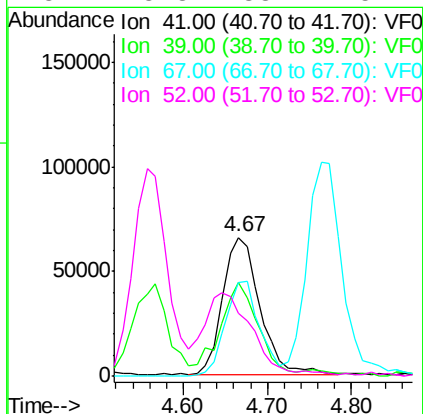
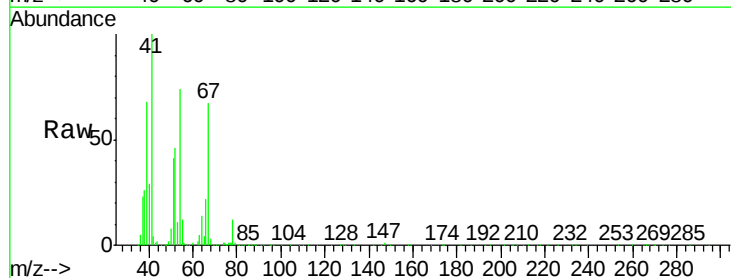
Ion Ratio Lower Upper

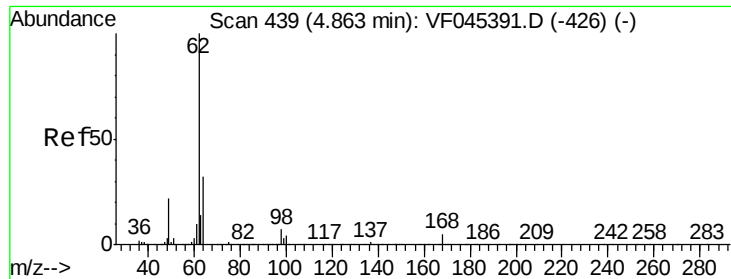
41 100

39 68.0 44.9 67.3#

67 67.5 49.0 73.4

52 45.8 38.2 57.2

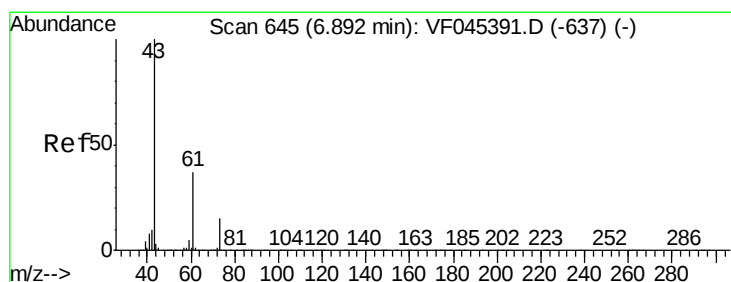
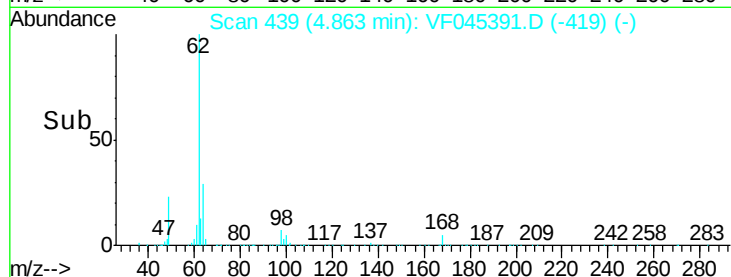
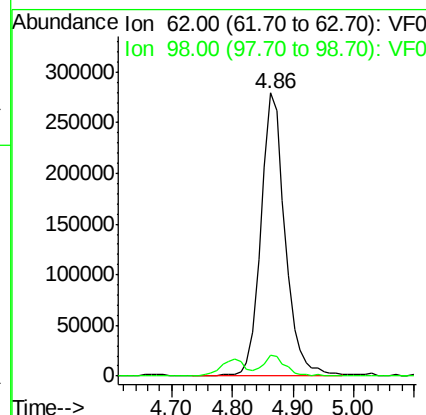
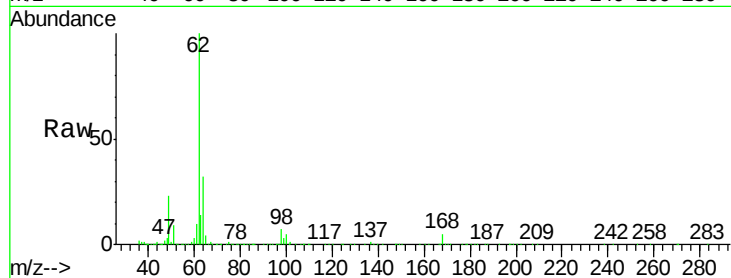




#41
 1,2-Dichloroethane
 Concen: 60.39 ug/l
 RT: 4.86 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

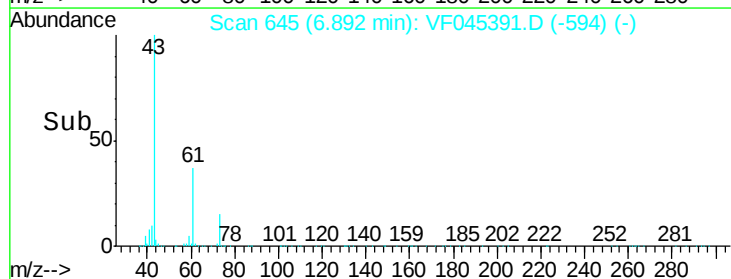
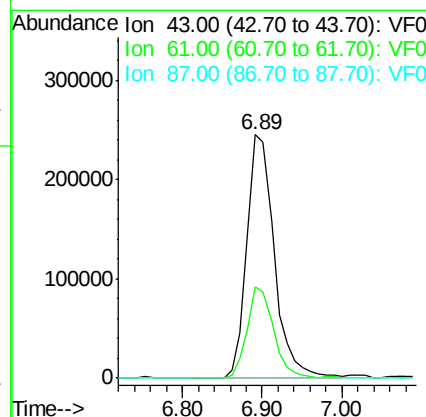
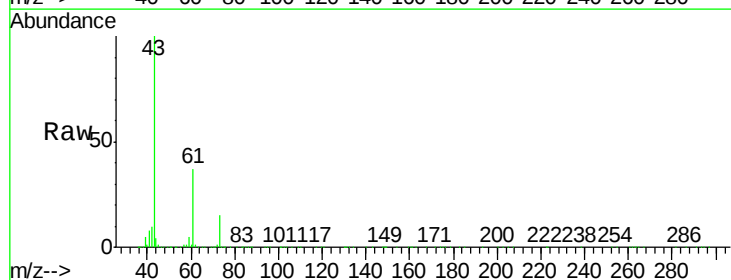
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

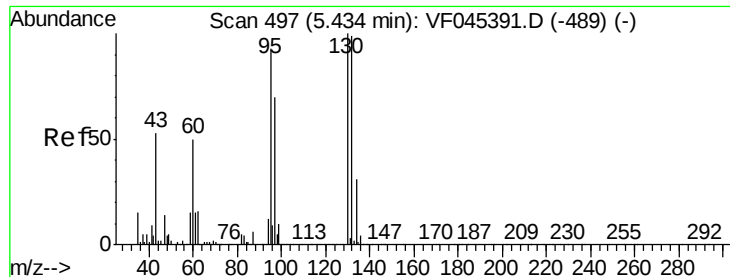
Tot Ion: 62 Resp: 775575
 Ion Ratio Lower Upper
 62 100
 98 7.4 0.0 17.0



#42
 Isopropyl Acetate
 Concen: 46.91 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion: 43 Resp: 580998
 Ion Ratio Lower Upper
 43 100
 61 37.4 29.8 44.6
 87 0.3 0.2 0.2#





#43

Trichloroethene

Concen: 55.76 ug/l

RT: 5.43 min Scan# 497

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

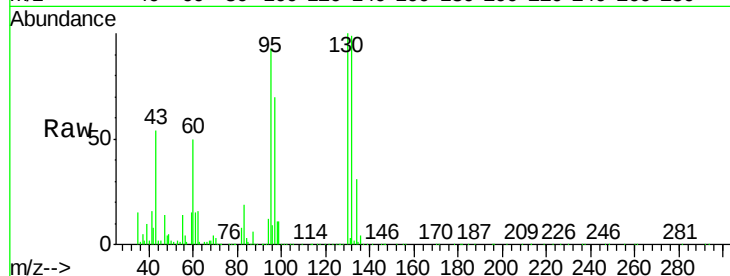
VSTDICCC050

Tot Ion:130 Resp: 612362

Ion Ratio Lower Upper

130 100

95 93.0 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.43

250000

200000

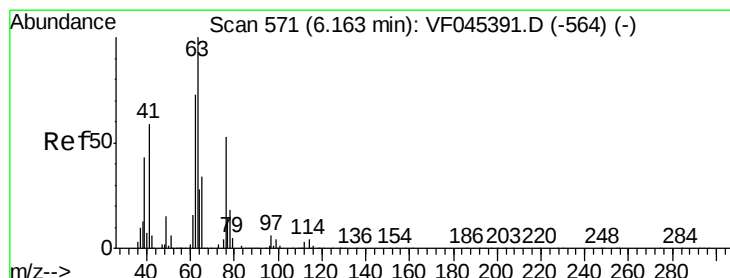
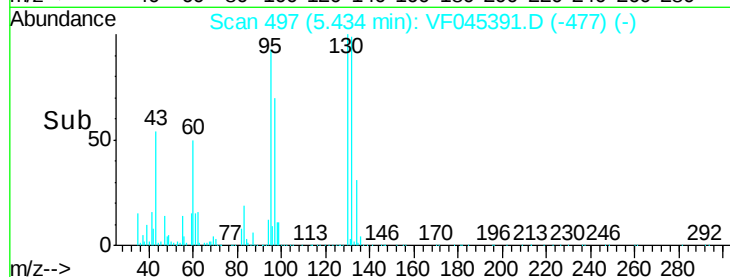
150000

100000

50000

0

Time-->



#44

1,2-Dichloropropane

Concen: 48.80 ug/l

RT: 6.16 min Scan# 571

Delta R.T. 0.00 min

Lab File: VF045391.D

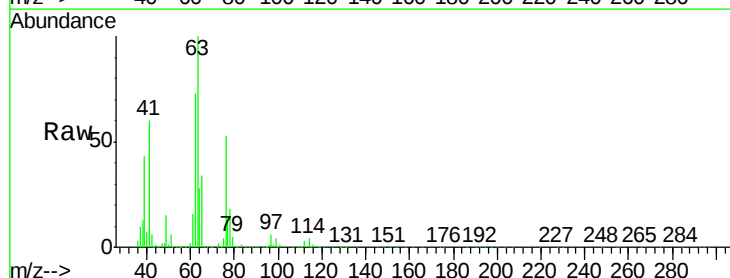
Acq: 16 Sep 2015 14:40

Tgt Ion: 63 Resp: 561762

Ion Ratio Lower Upper

63 100

65 33.8 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.16

200000

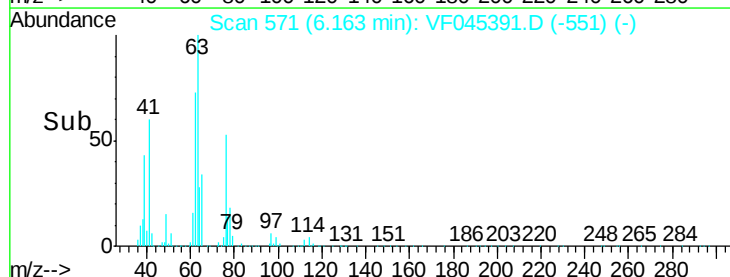
150000

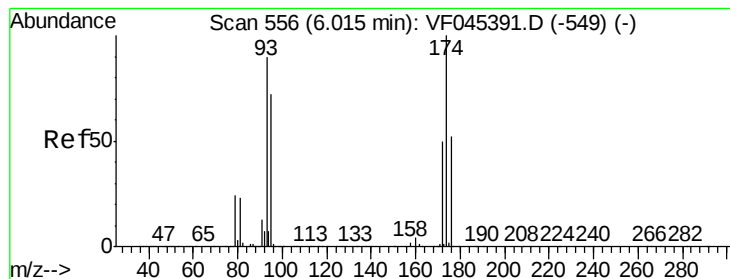
100000

50000

0

Time-->





#45

Dibromomethane

Concen: 56.95 ug/l

RT: 6.02 min Scan# 556

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

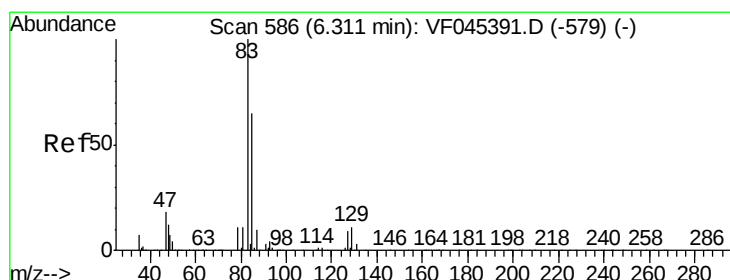
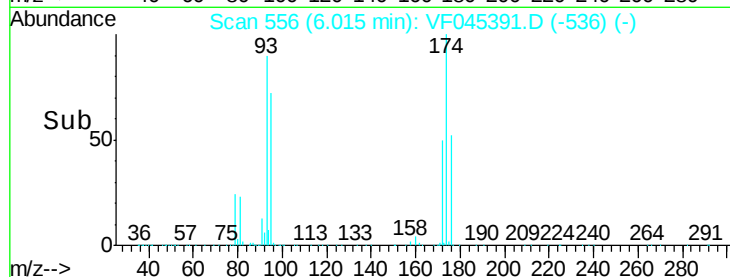
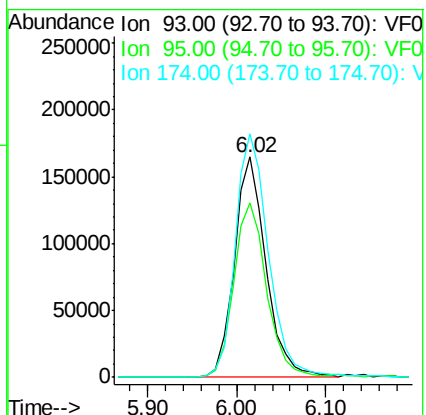
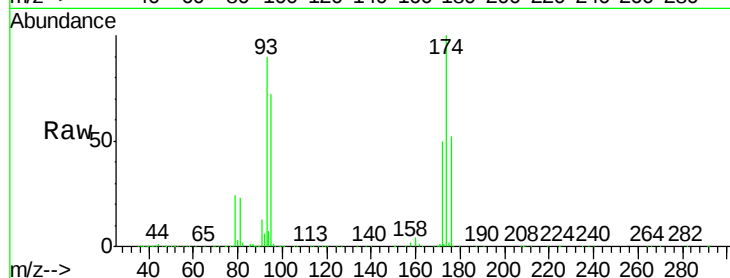
Tot Ion: 93 Resp: 407674

Ion Ratio Lower Upper

93 100

95 79.3 69.8 104.6

174 110.6 90.5 135.7



#46

Bromodichloromethane

Concen: 59.20 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

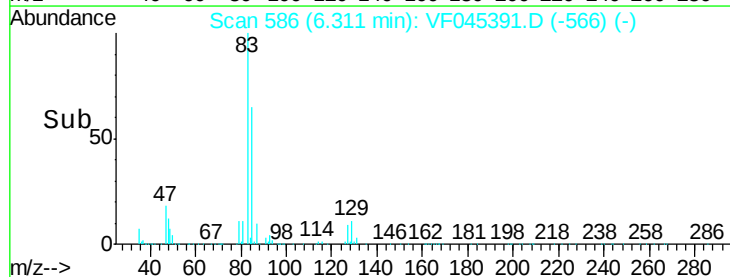
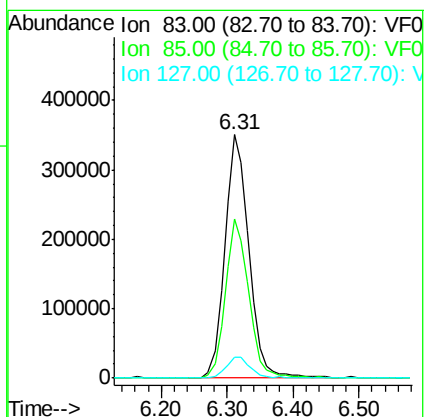
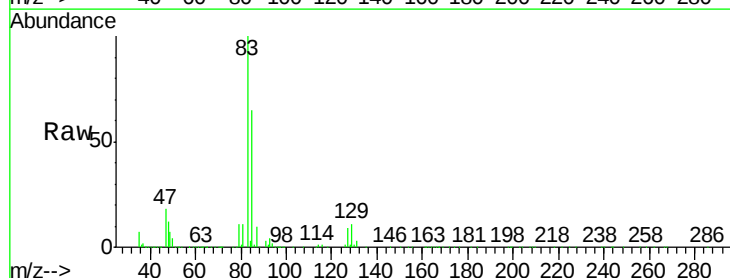
Tgt Ion: 83 Resp: 897304

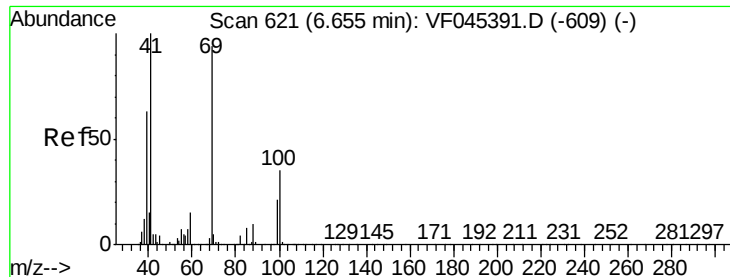
Ion Ratio Lower Upper

83 100

85 65.3 50.6 75.8

127 8.5 7.7 11.5

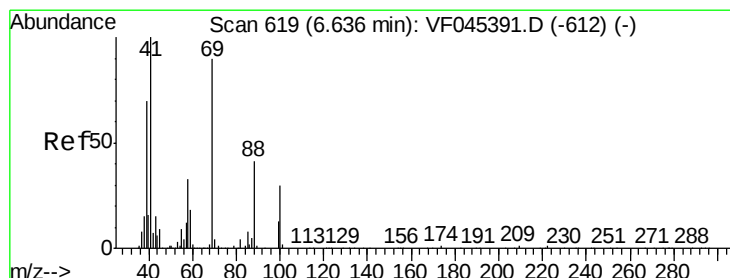
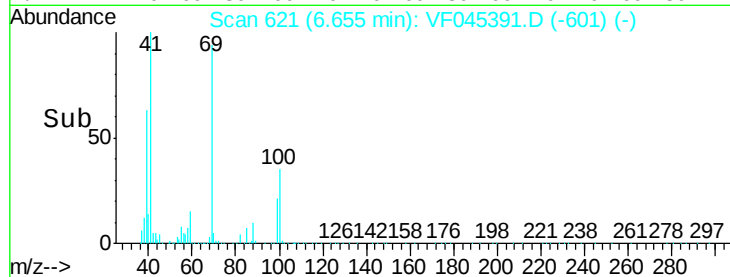
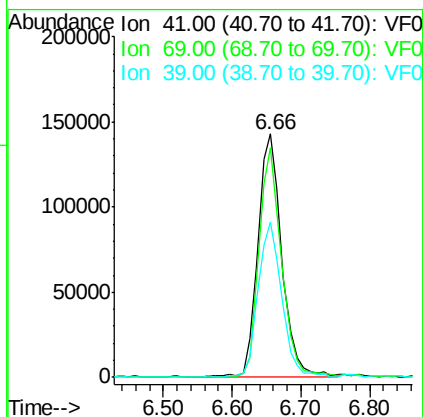
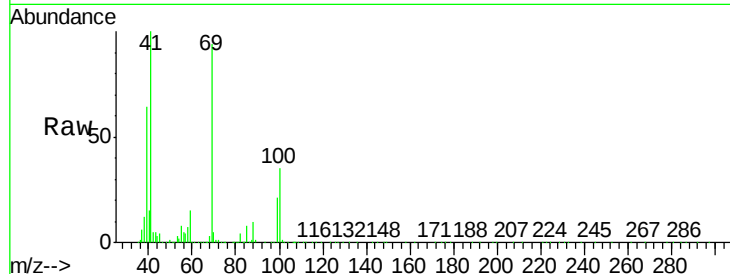




#47
Methvl methacrvlate
Concen: 47.91 ug/l
RT: 6.66 min Scan# 621
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

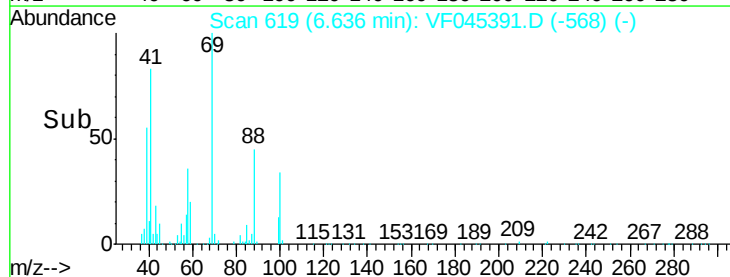
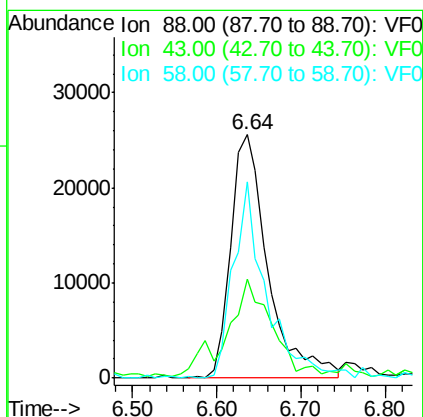
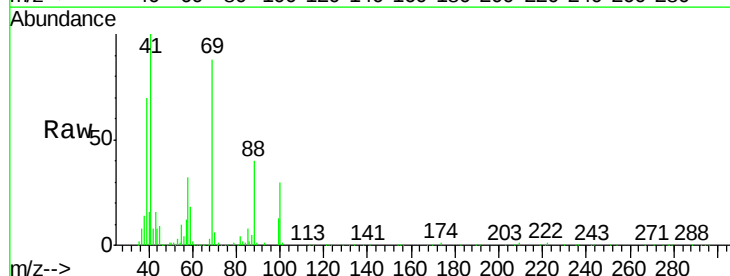
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

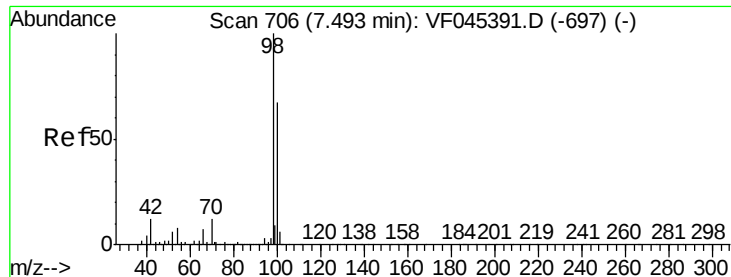
Tot Ion	Ratio	Lower	Upper
41	100		
69	94.0	63.3	94.9
39	63.5	48.9	73.3



#48
1,4-Dioxane
Concen: 1071.75 ug/l
RT: 6.64 min Scan# 619
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.7	34.5	51.7
58	80.5	46.5	69.7#





#49

Toluene-d8

Concen: 50.91 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

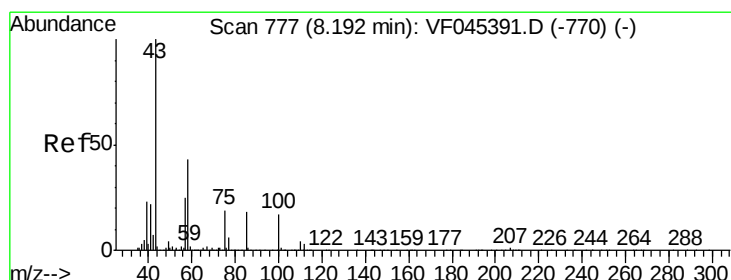
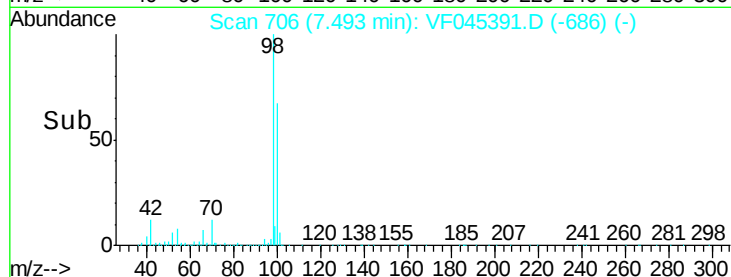
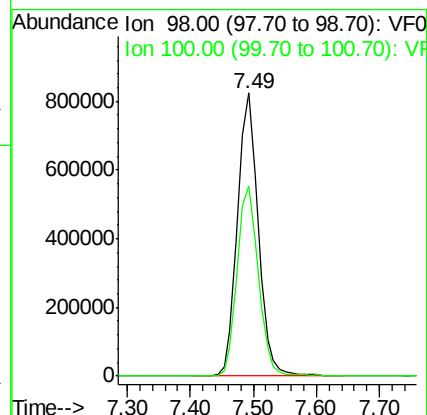
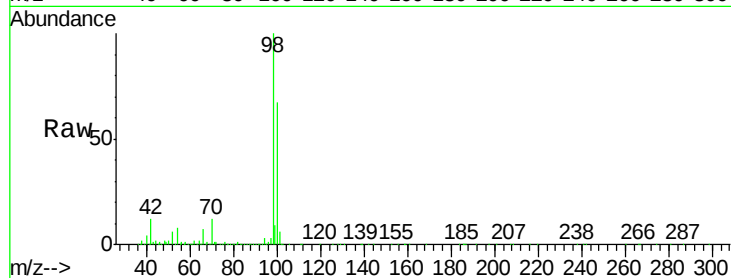
VSTDICCC050

Tot Ion: 98 Resp: 1876668

Ion Ratio Lower Upper

98 100

100 66.9 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 229.94 ug/l

RT: 8.19 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF045391.D

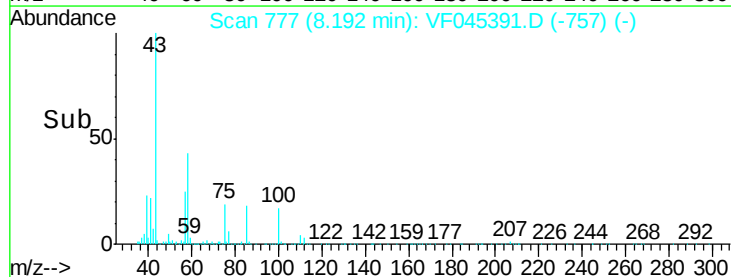
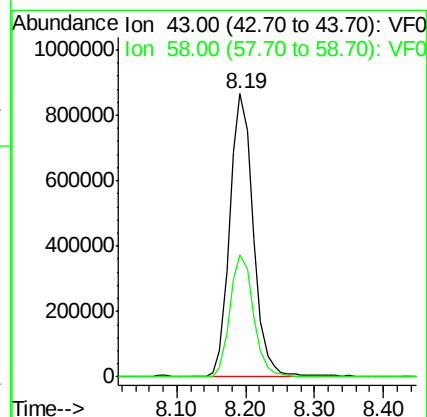
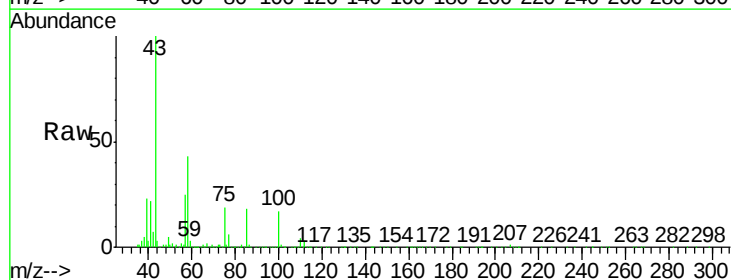
Acq: 16 Sep 2015 14:40

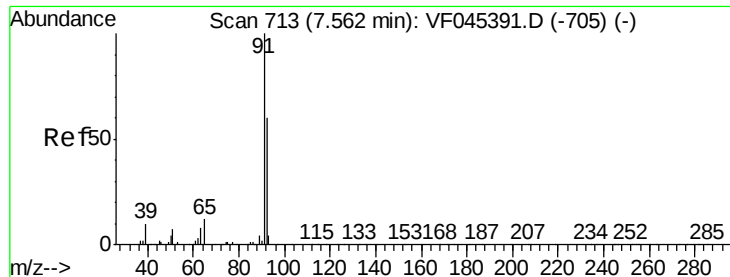
Tgt Ion: 43 Resp: 2051139

Ion Ratio Lower Upper

43 100

58 43.0 33.6 50.4





#51

Toluene

Concen: 53.20 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

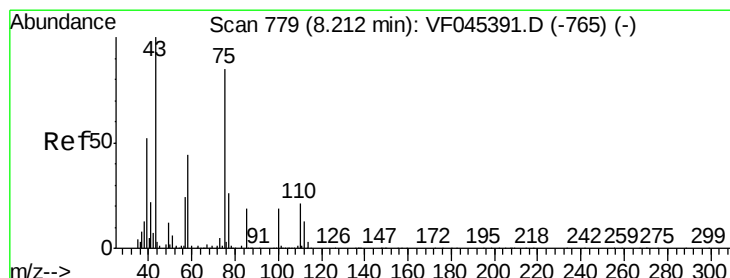
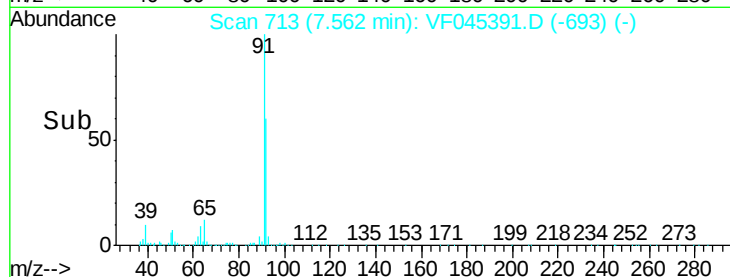
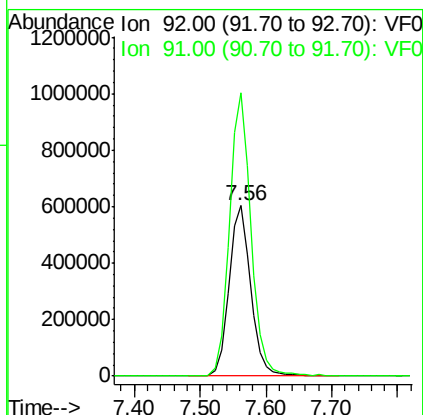
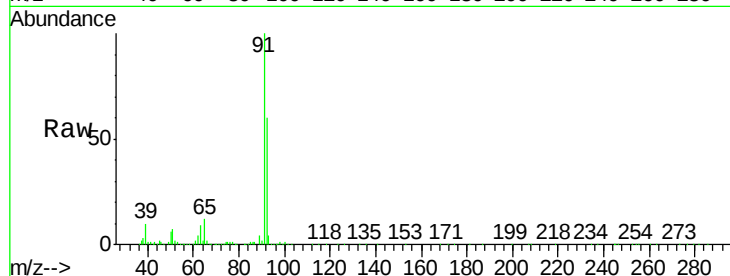
VSTDICCC050

Tot Ion: 92 Resp: 1393790

Ion Ratio Lower Upper

92 100

91 166.0 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 55.91 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF045391.D

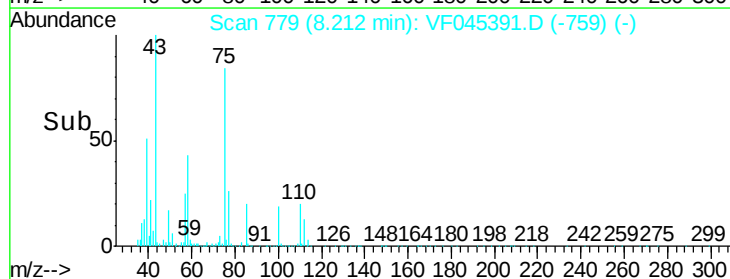
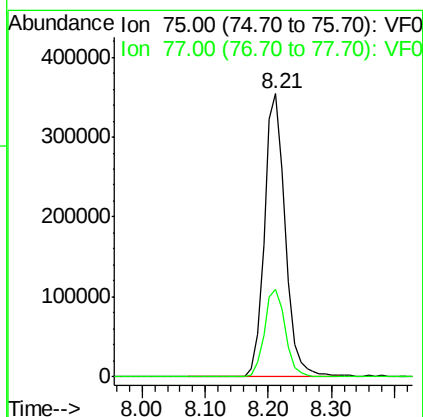
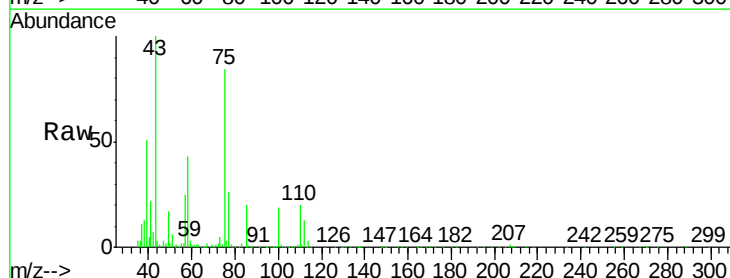
Acq: 16 Sep 2015 14:40

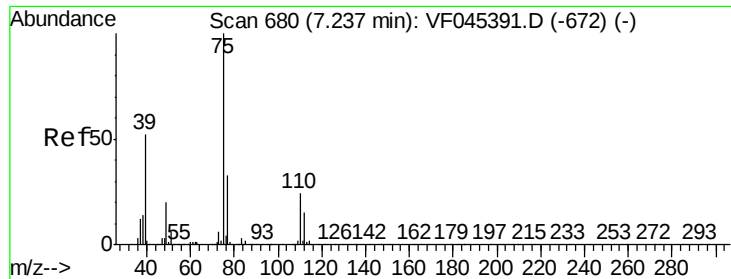
Tgt Ion: 75 Resp: 813065

Ion Ratio Lower Upper

75 100

77 31.1 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 52.15 ug/l

RT: 7.24 min Scan# 680

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

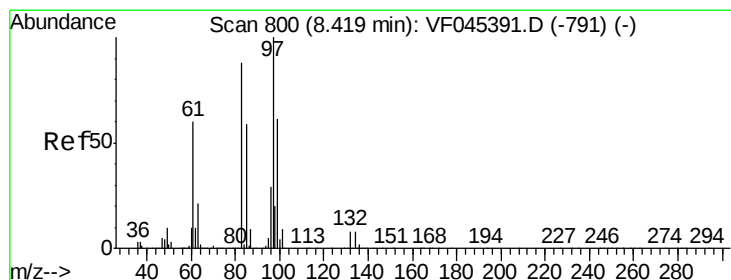
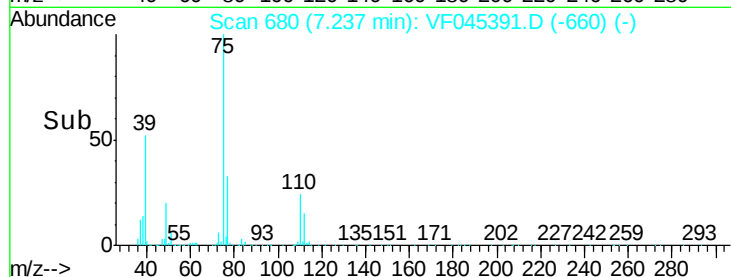
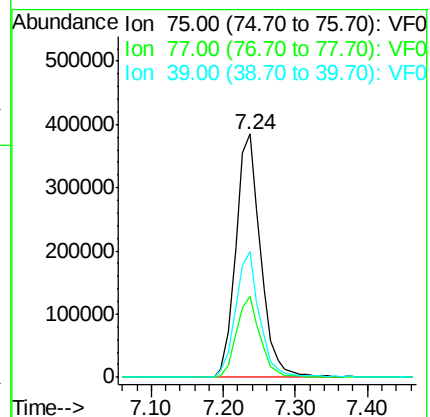
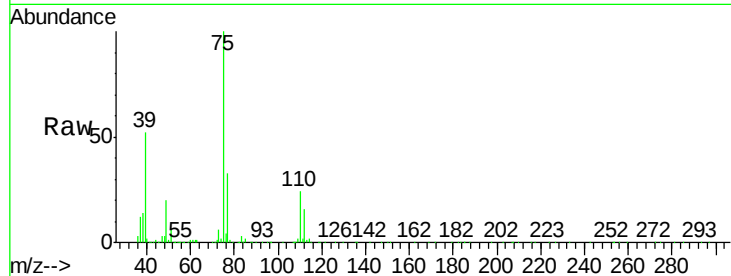
Tot Ion: 75 Resp: 926495

Ion Ratio Lower Upper

75 100

77 33.2 25.5 38.3

39 51.9 41.6 62.4



#54

1,1,2-Trichloroethane

Concen: 54.86 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion: 97 Resp: 498092

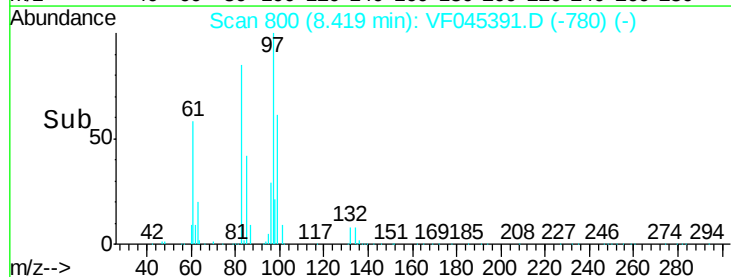
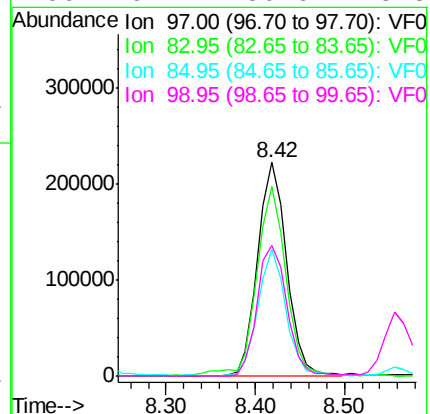
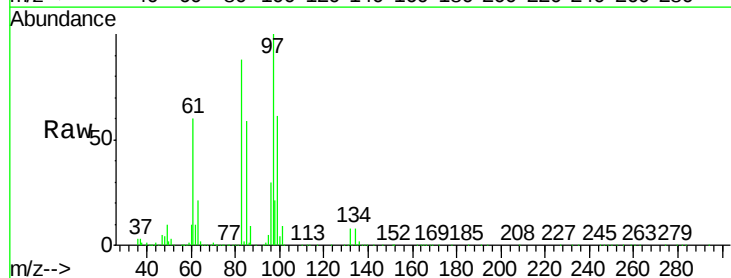
Ion Ratio Lower Upper

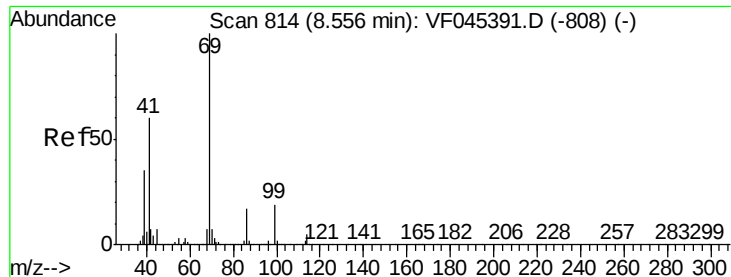
97 100

83 88.5 70.1 105.1

85 59.3 47.4 71.2

99 61.2 50.6 75.8





#55

Ethyl methacrylate

Concen: 54.21 ug/l

RT: 8.56 min Scan# 814

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

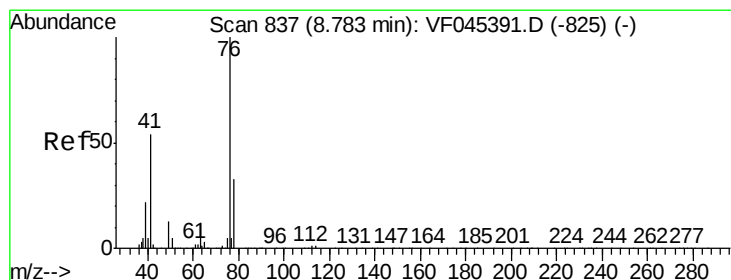
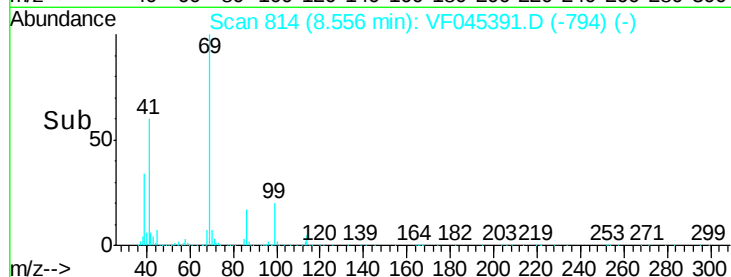
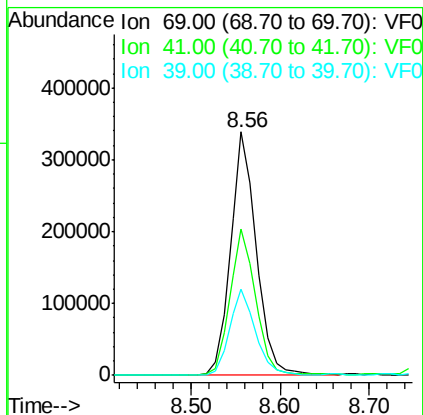
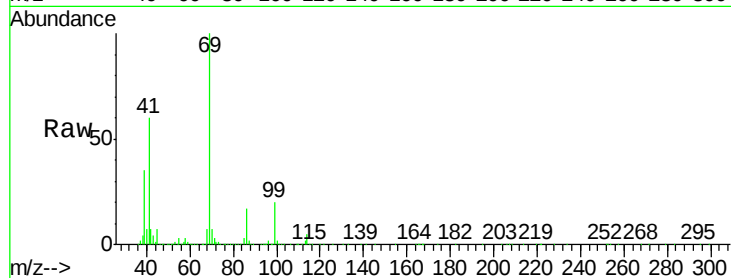
Tot Ion: 69 Resp: 685668

Ion Ratio Lower Upper

69 100

41 60.1 51.0 76.4

39 35.2 29.1 43.7



#56

1,3-Dichloropropane

Concen: 51.70 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF045391.D

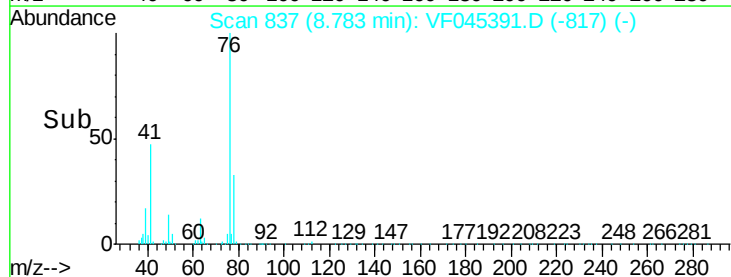
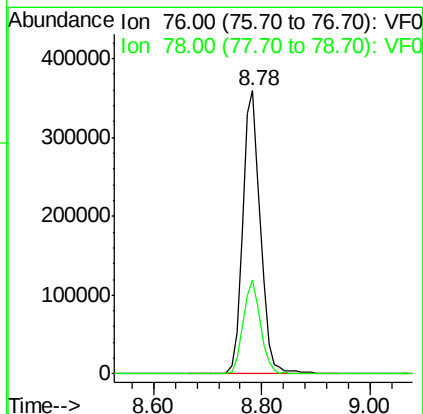
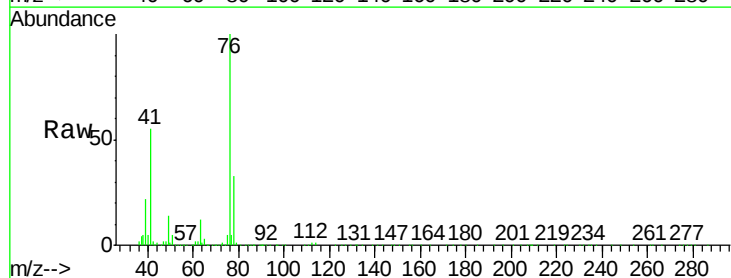
Acq: 16 Sep 2015 14:40

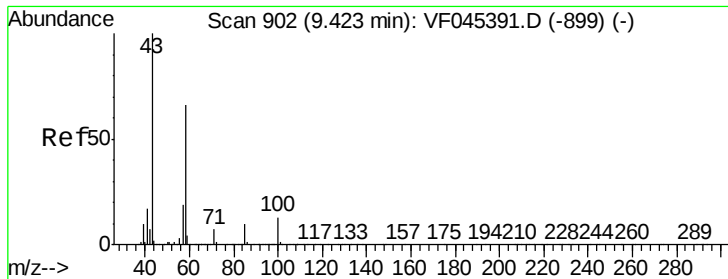
Tgt Ion: 76 Resp: 812809

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1

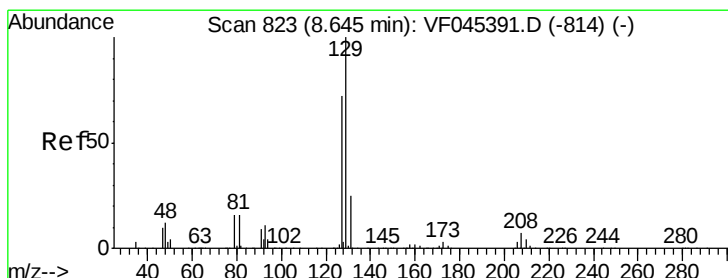
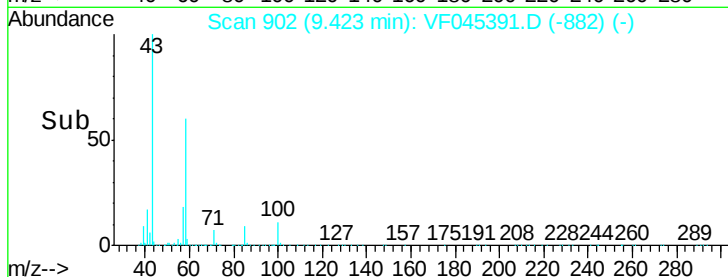
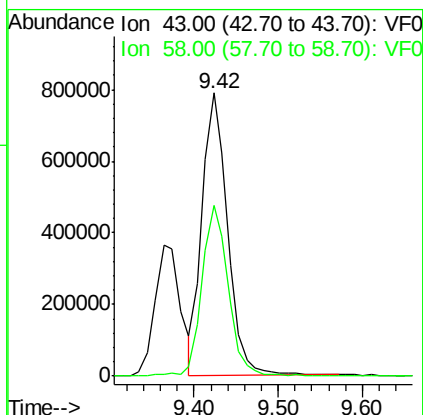
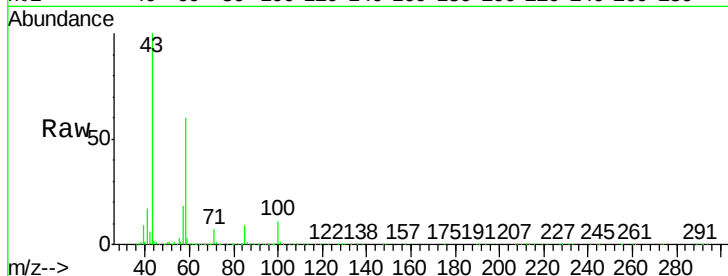




#58
2-Hexanone
Concen: 234.28 ug/l
RT: 9.42 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

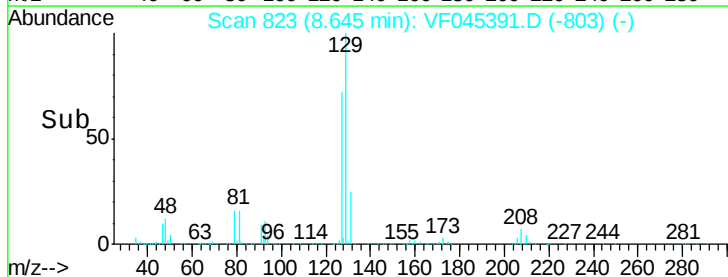
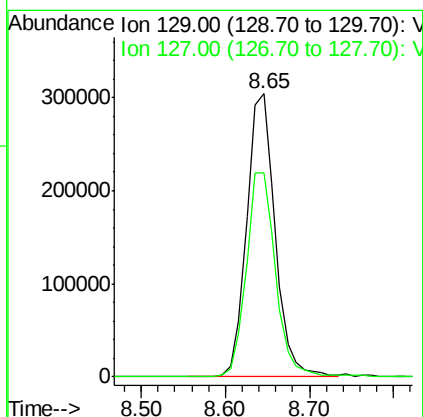
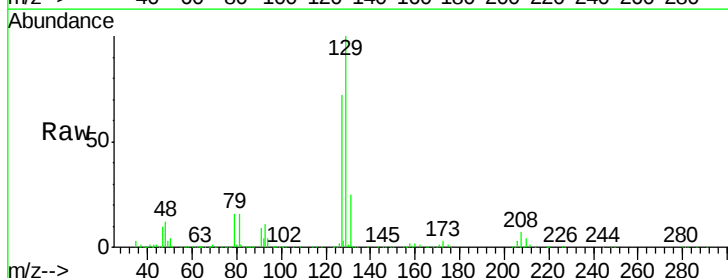
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

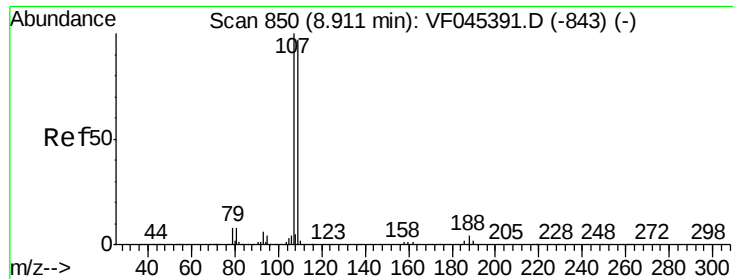
Tot Ion: 43 Resp: 1656811
Ion Ratio Lower Upper
43 100
58 60.2 28.8 86.5



#59
Dibromochloromethane
Concen: 62.80 ug/l
RT: 8.65 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion: 129 Resp: 719516
Ion Ratio Lower Upper
129 100
127 72.2 38.2 114.6





#60

1,2-Dibromoethane

Concen: 58.17 ug/l

RT: 8.91 min Scan# 850

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

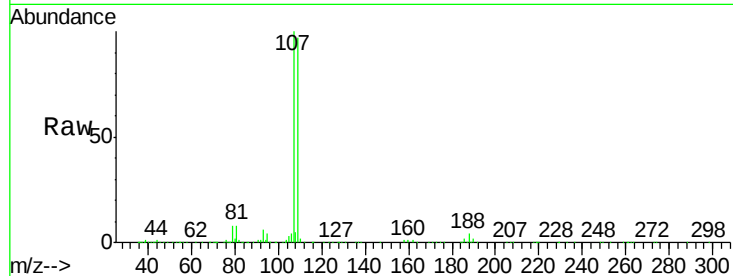
VSTDICCC050

Tot Ion:107 Resp: 594359

Ion Ratio Lower Upper

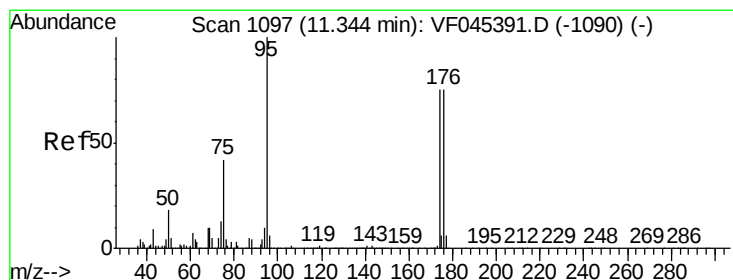
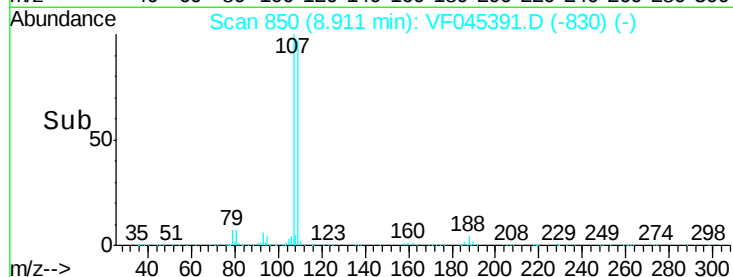
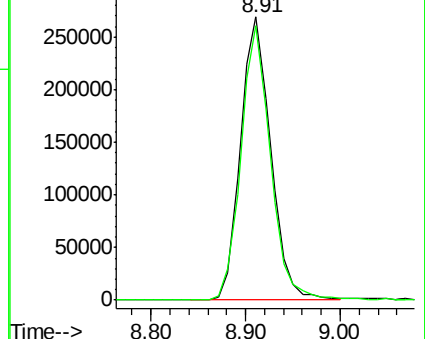
107 100

109 96.9 79.4 119.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 54.37 ug/l

RT: 11.34 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

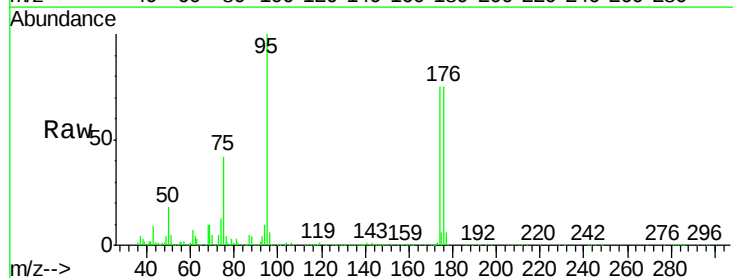
Tgt Ion: 95 Resp: 916181

Ion Ratio Lower Upper

95 100

174 75.3 0.0 177.8

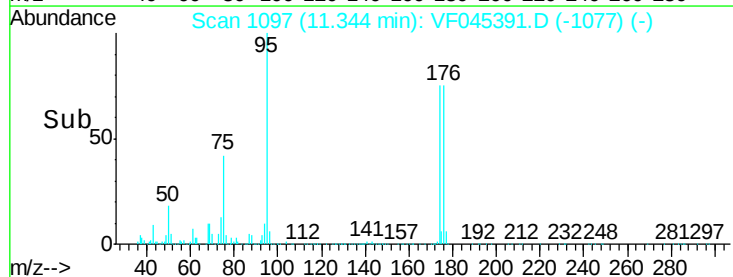
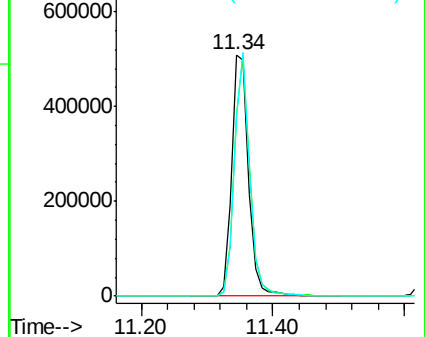
176 74.7 0.0 176.2

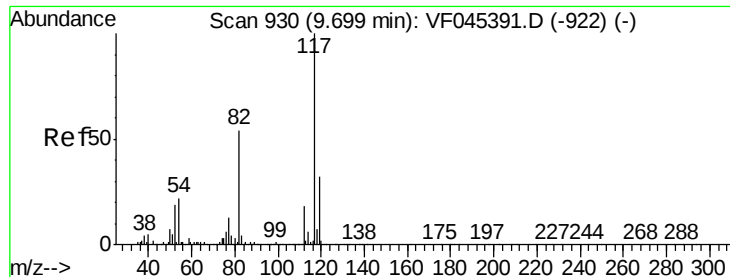


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

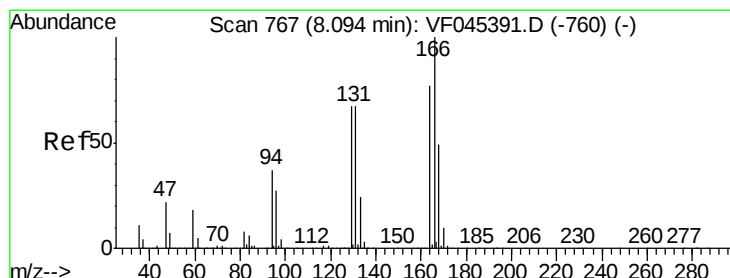
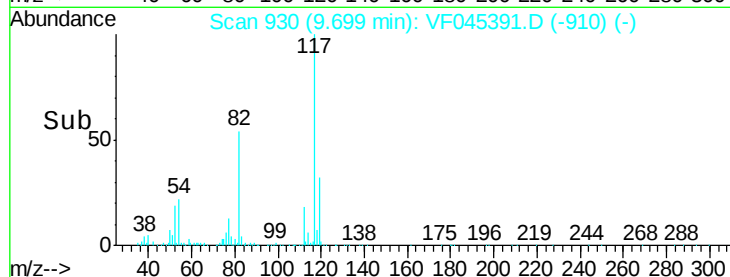
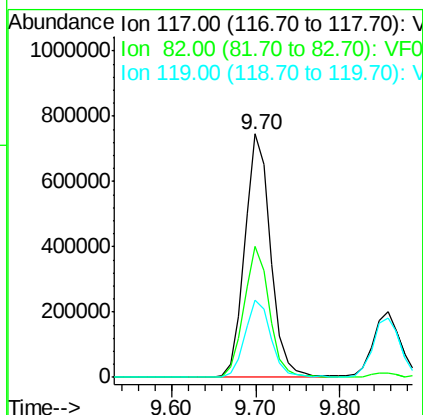
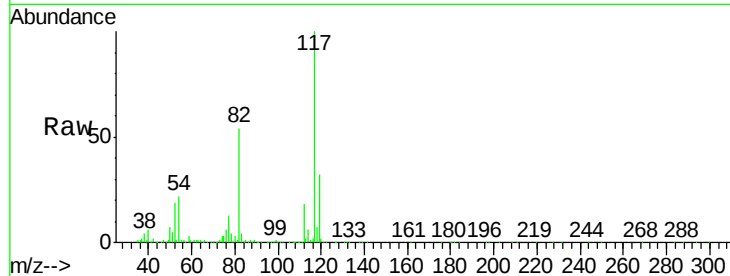




#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

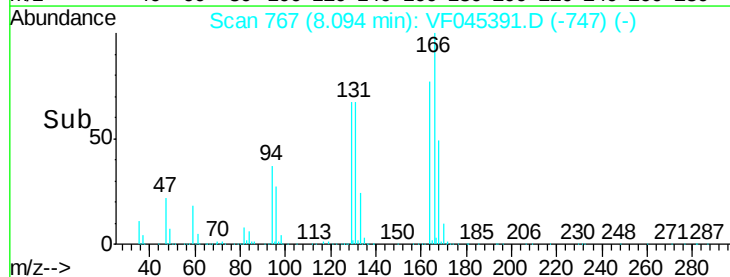
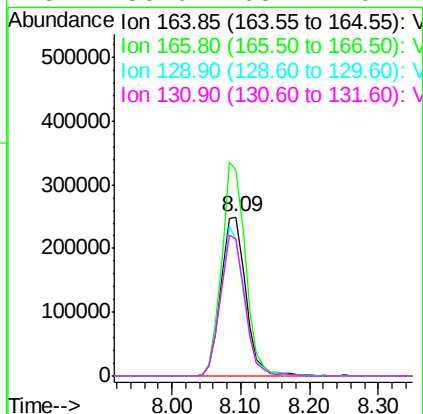
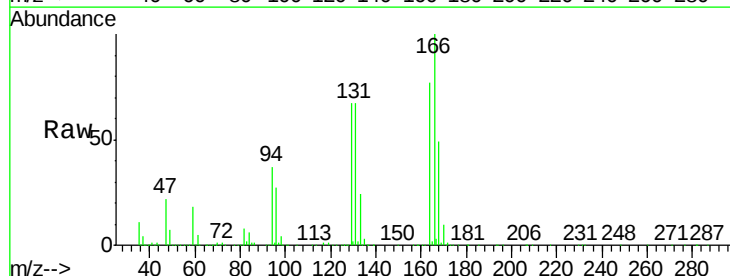
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

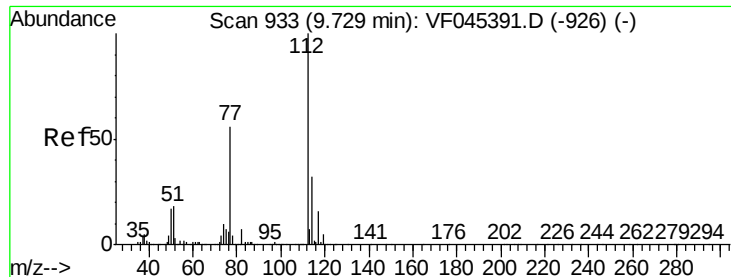
Tot Ion:117 Resp: 1596581
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.6
119 31.8 26.2 39.4



#63
Tetrachloroethene
Concen: 56.71 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion:164 Resp: 619950
Ion Ratio Lower Upper
164 100
166 129.2 106.0 159.0
129 86.0 69.8 104.6
131 86.0 68.2 102.4

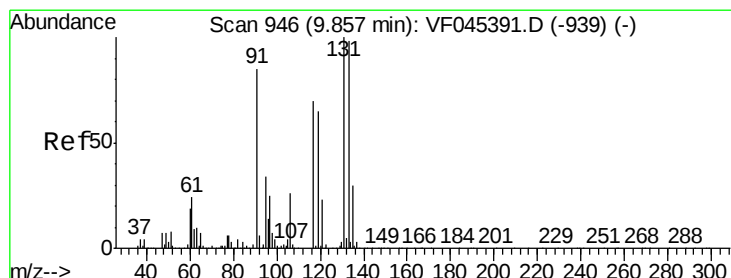
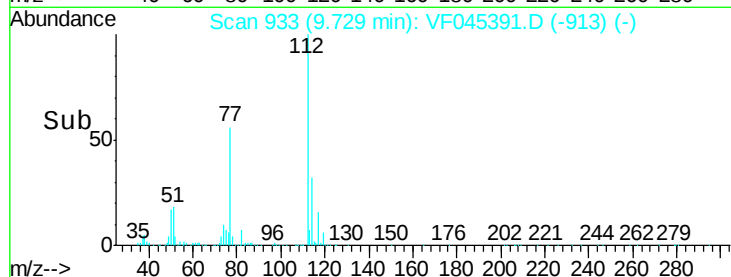
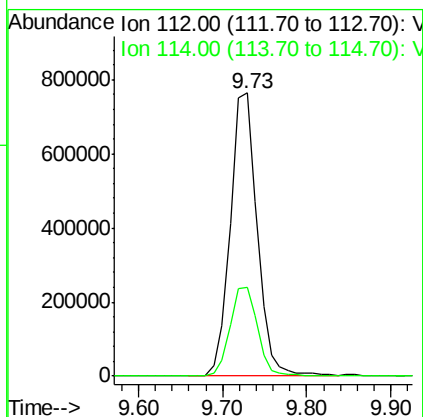
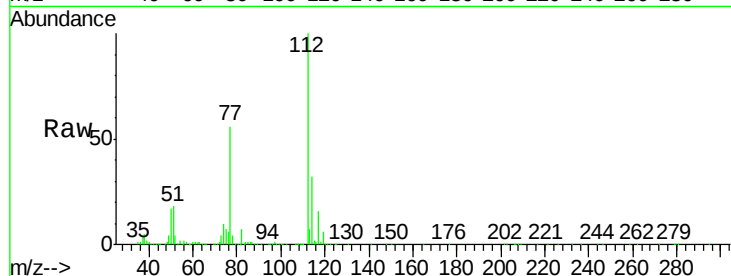




#64
Chlorobenzene
Concen: 52.09 ug/l
RT: 9.73 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

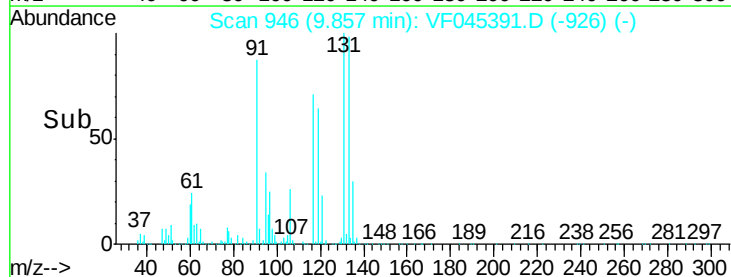
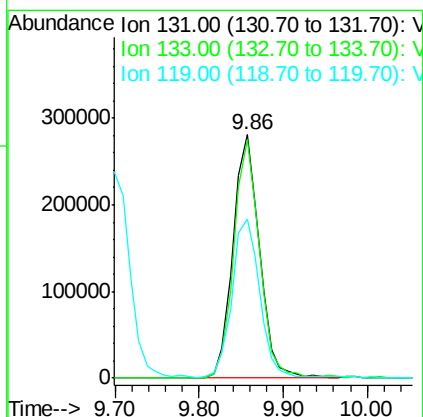
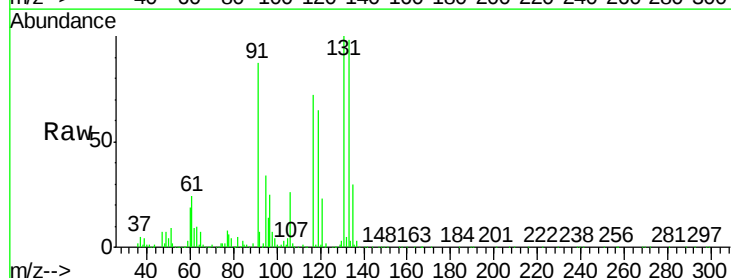
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

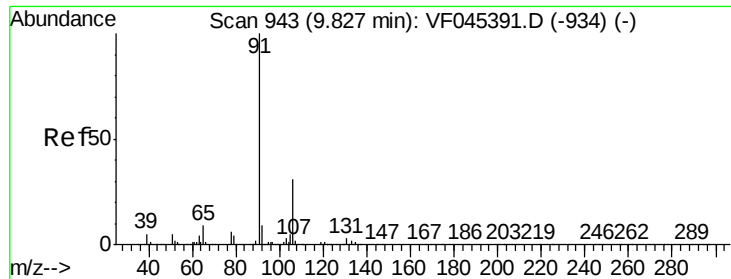
Tot Ion:112 Resp: 1707884
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 54.71 ug/l
RT: 9.86 min Scan# 946
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion:131 Resp: 616122
Ion Ratio Lower Upper
131 100
133 97.8 48.1 144.4
119 65.2 34.8 104.5

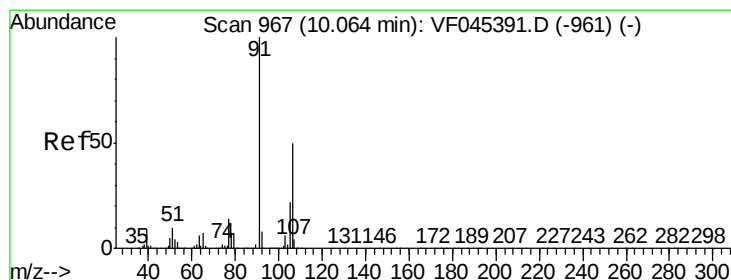
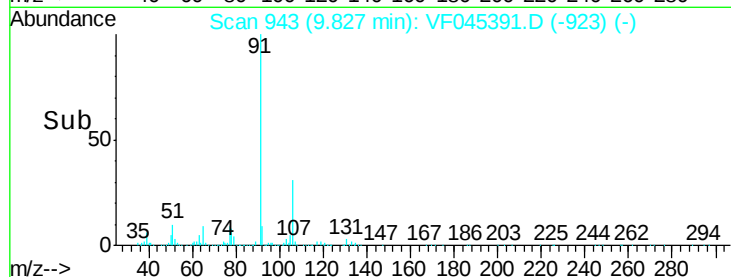
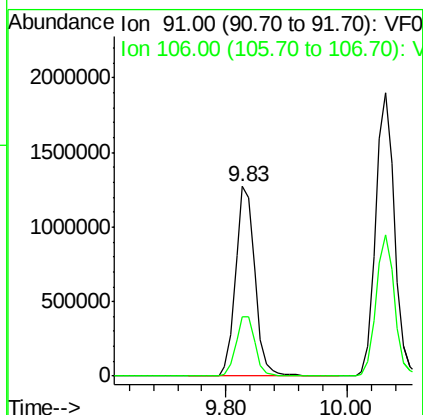
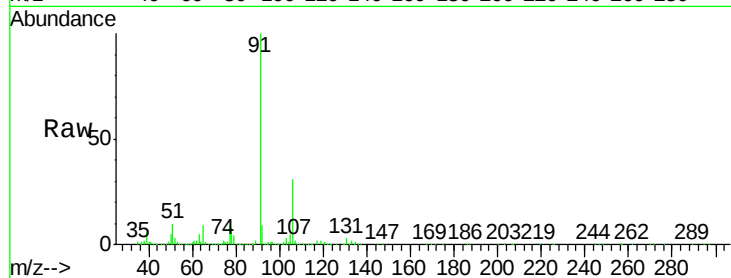




#66
Ethyl Benzene
Concen: 48.32 ug/l
RT: 9.83 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

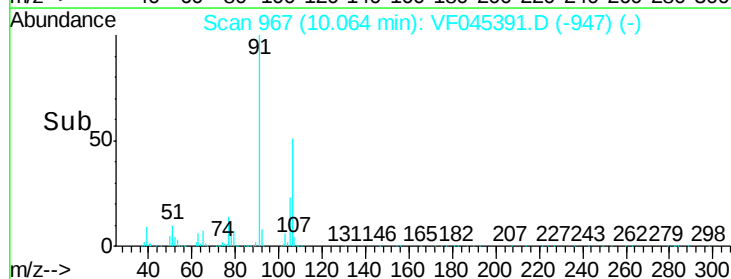
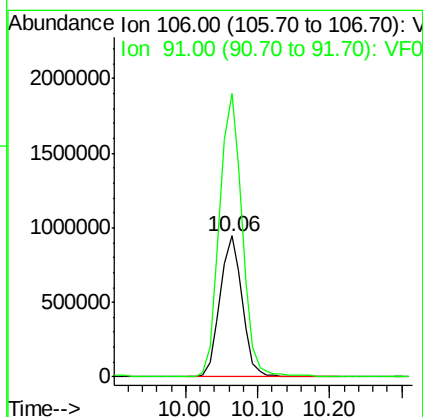
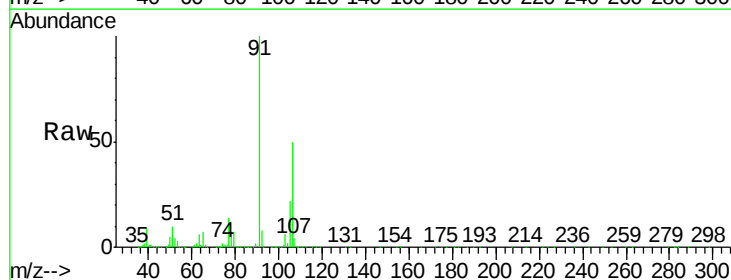
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

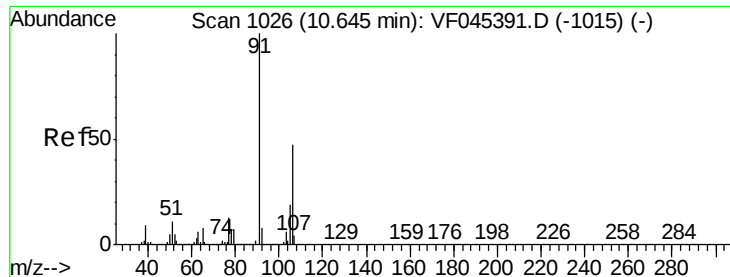
Tot Ion: 91 Resp: 2814064
Ion Ratio Lower Upper
91 100
106 31.2 23.6 35.4



#67
m/p-Xylenes
Concen: 99.44 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion:106 Resp: 2007292
Ion Ratio Lower Upper
106 100
91 201.1 166.1 249.1

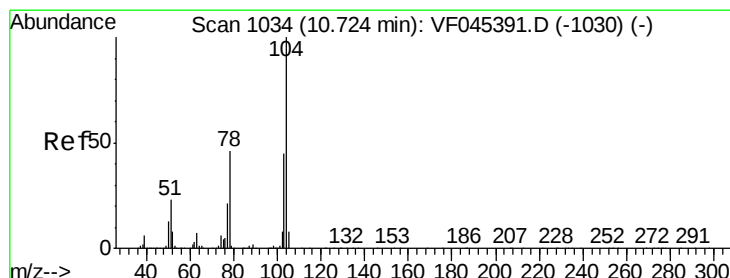
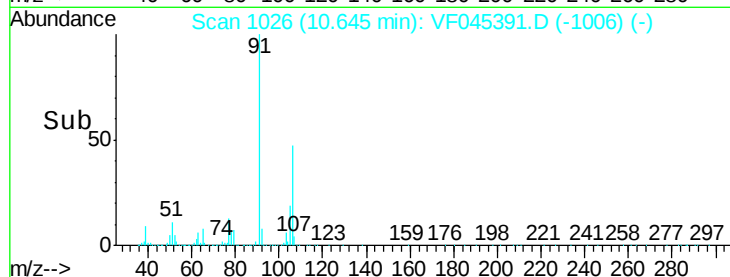
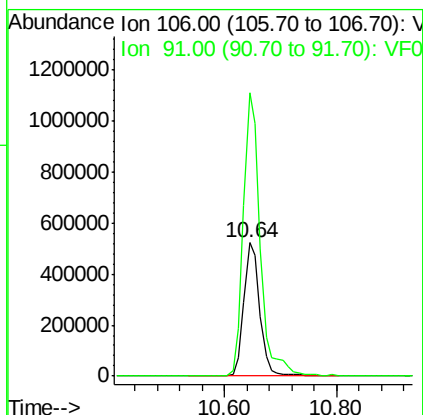
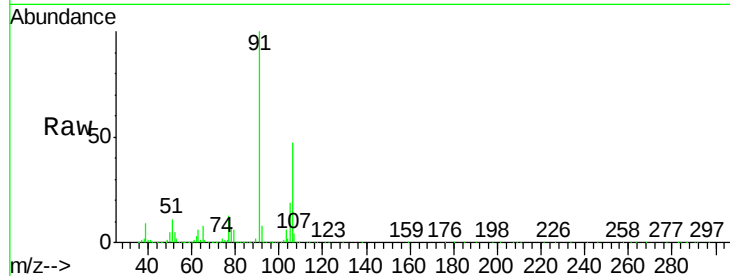




#68
o-Xylene
Concen: 48.71 ug/l
RT: 10.64 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

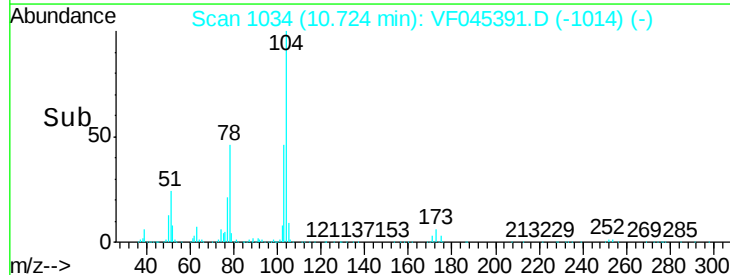
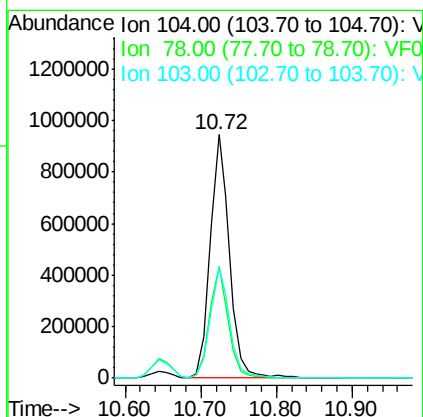
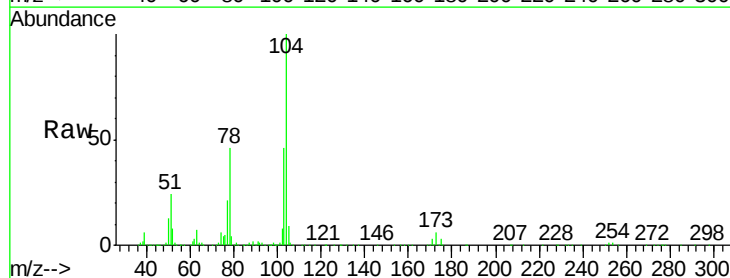
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

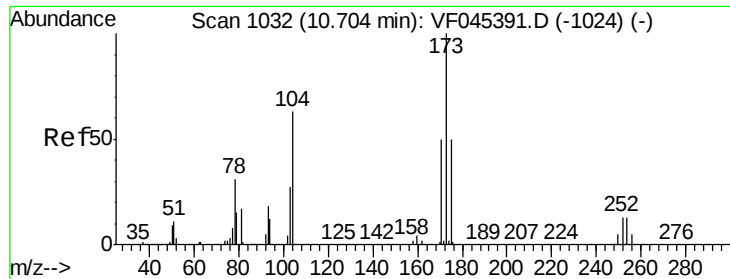
Tot Ion:106 Resp: 1029776
Ion Ratio Lower Upper
106 100
91 212.0 108.1 324.2



#69
Styrene
Concen: 49.89 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion:104 Resp: 1691010
Ion Ratio Lower Upper
104 100
78 46.1 34.2 51.4
103 45.6 36.7 55.1

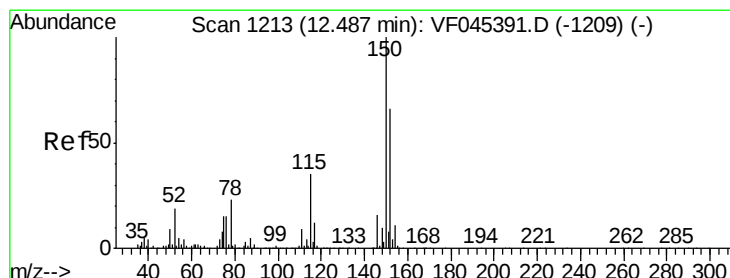
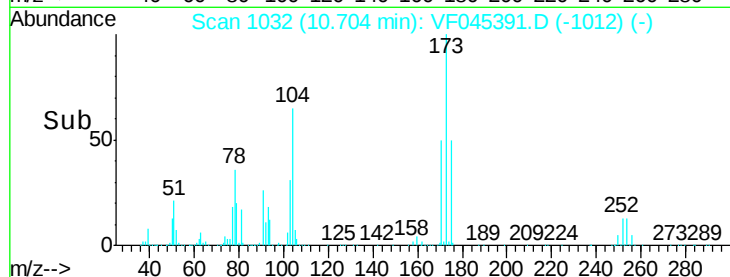
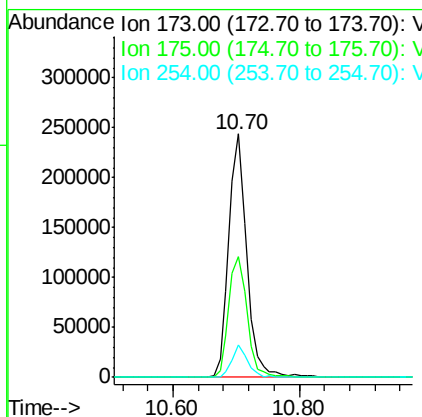
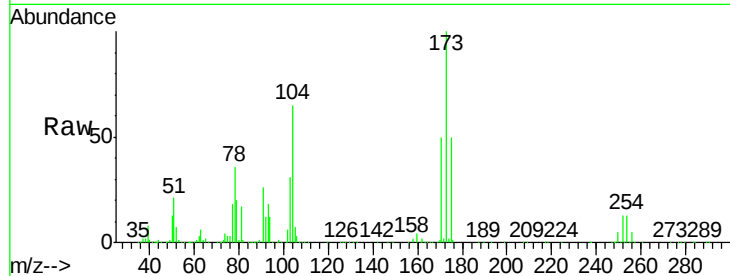




#70
Bromoform
Concen: 60.69 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

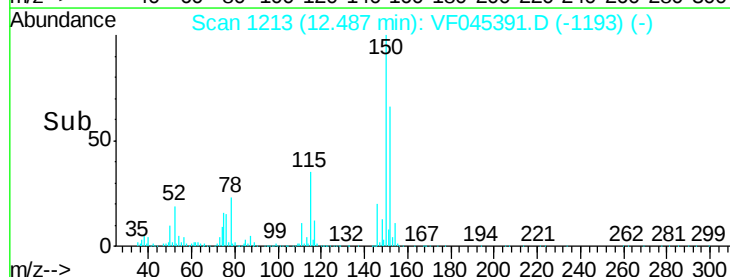
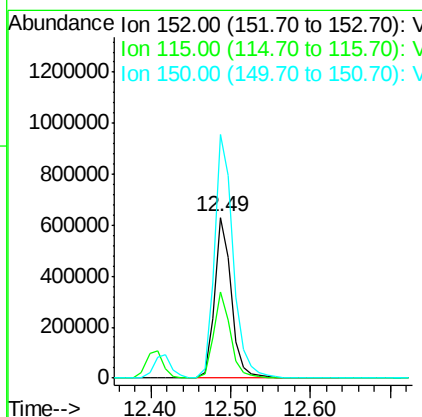
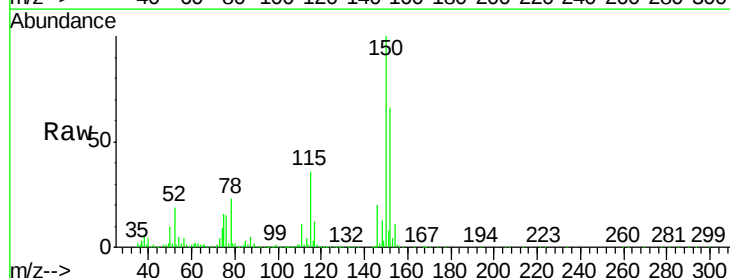
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

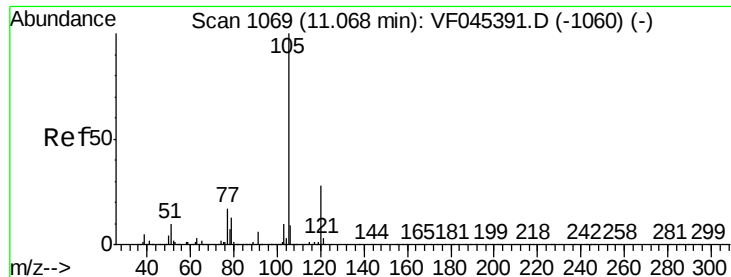
Tot Ion:173 Resp: 483913
Ion Ratio Lower Upper
173 100
175 49.5 25.7 77.0
254 13.2 9.8 14.6



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion:152 Resp: 936591
Ion Ratio Lower Upper
152 100
115 53.7 28.3 85.0
150 151.2 0.0 324.2





#72

Isopropylbenzene

Concen: 44.28 ug/l

RT: 11.07 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

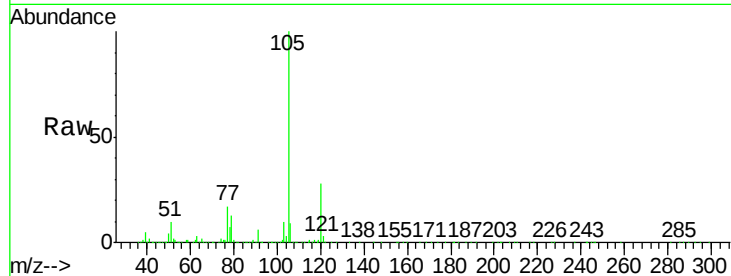
VSTDICCC050

Tot Ion:105 Resp: 3035508

Ion Ratio Lower Upper

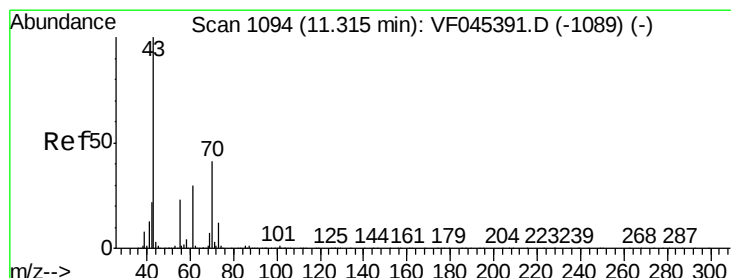
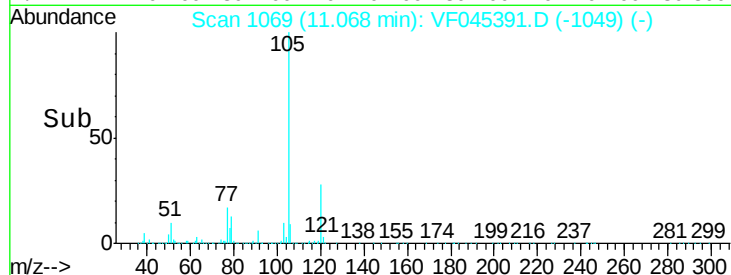
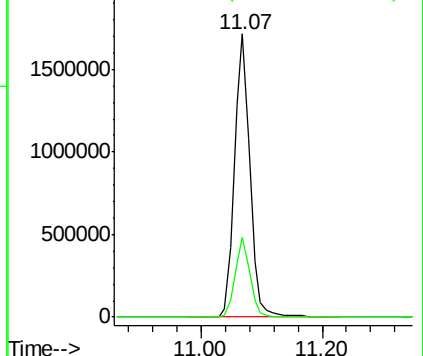
105 100

120 28.3 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: 40.72 ug/l

RT: 11.31 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion: 43 Resp: 964753

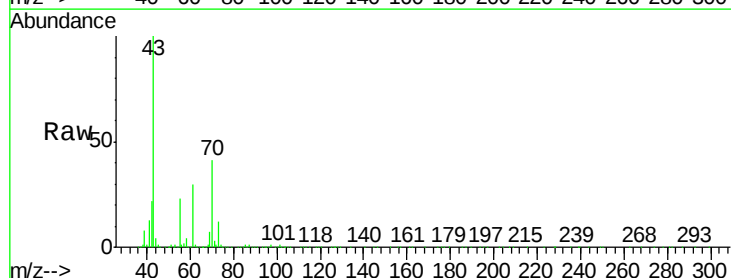
Ion Ratio Lower Upper

43 100

70 41.4 30.0 45.0

55 23.2 16.8 25.2

61 30.4 20.6 30.8

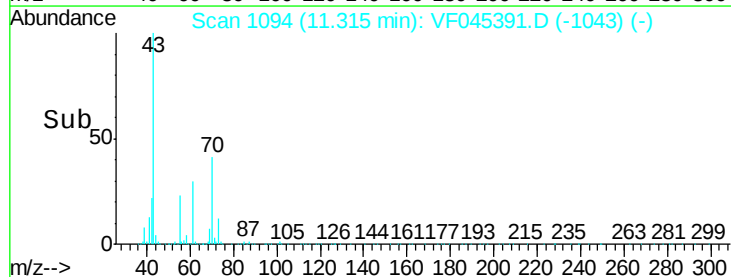
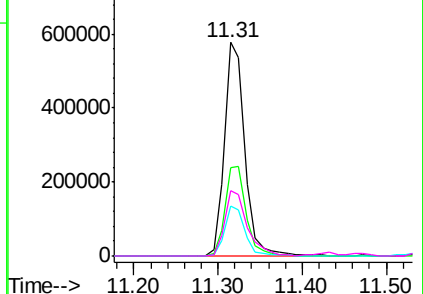


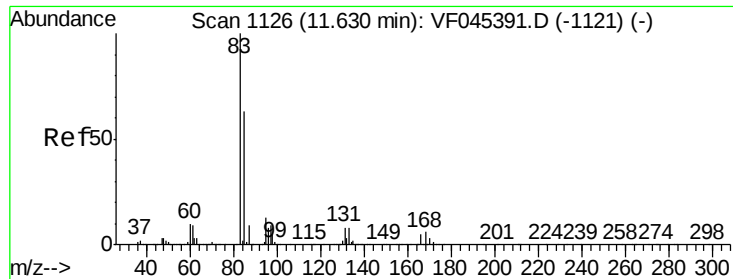
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 44.62 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

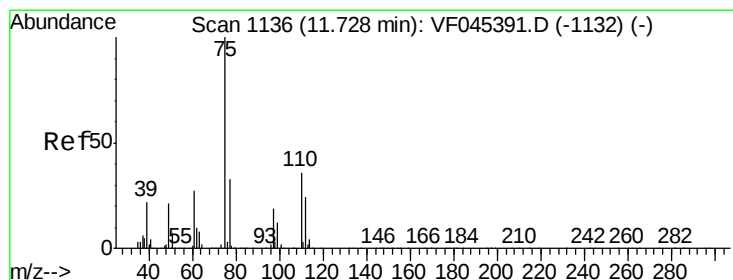
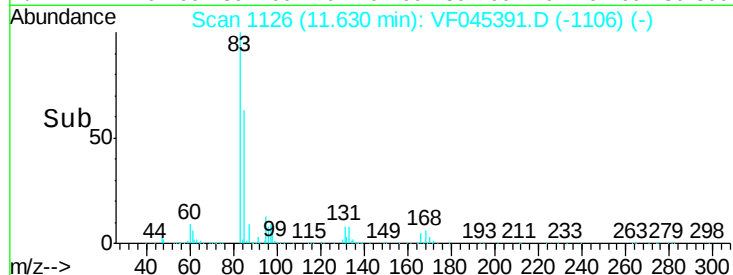
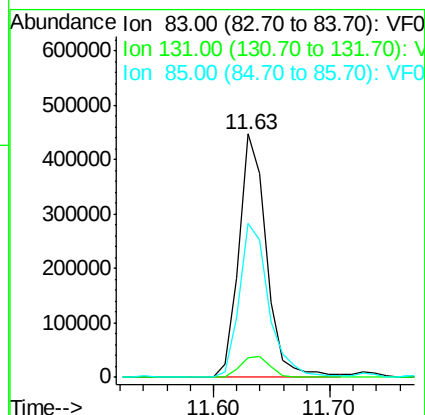
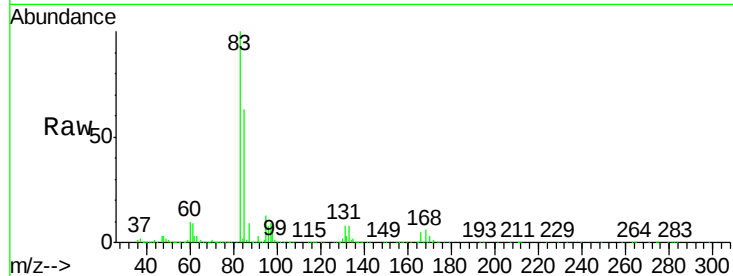
Tot Ion: 83 Resp: 734473

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.6

85 63.2 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 44.85 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF045391.D

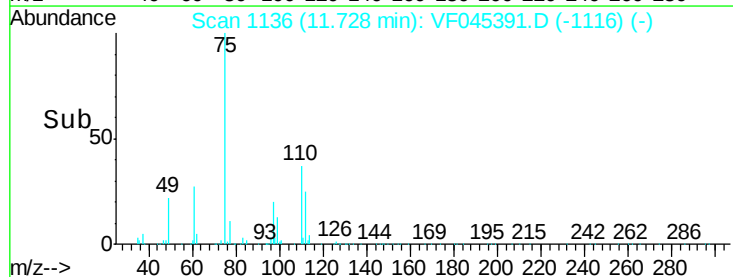
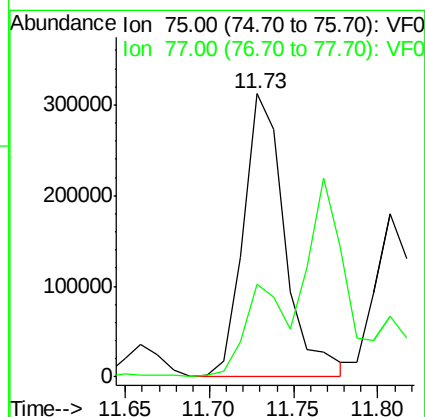
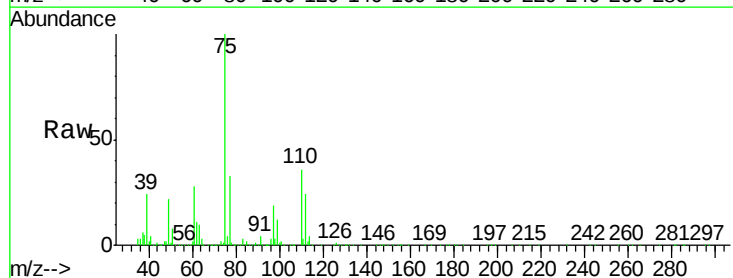
Acq: 16 Sep 2015 14:40

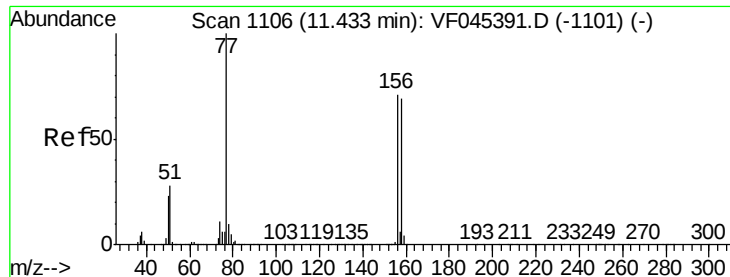
Tgt Ion: 75 Resp: 531342

Ion Ratio Lower Upper

75 100

77 32.8 15.0 45.1

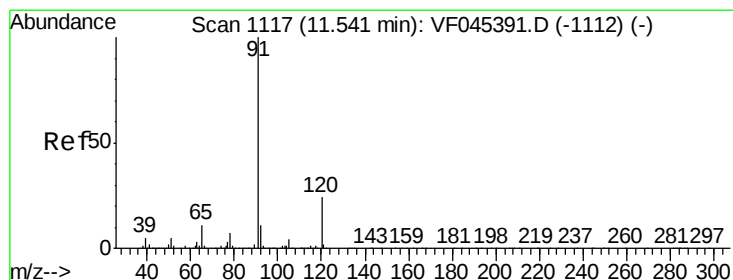
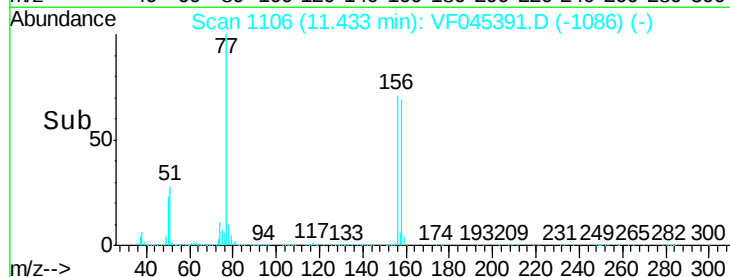
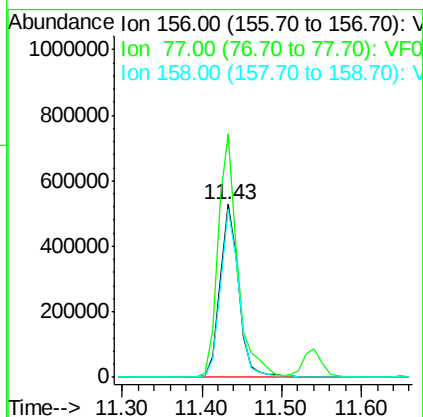
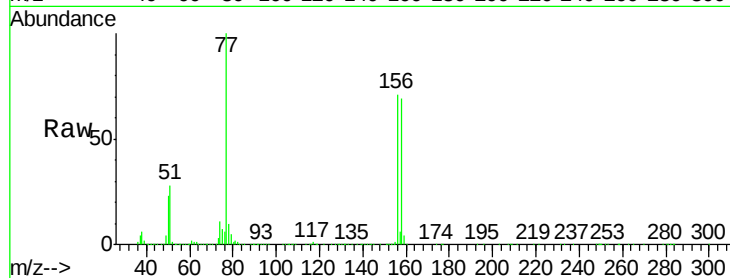




#76
Bromobenzene
Concen: 49.67 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

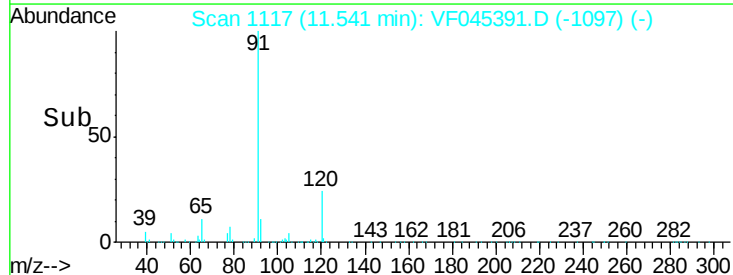
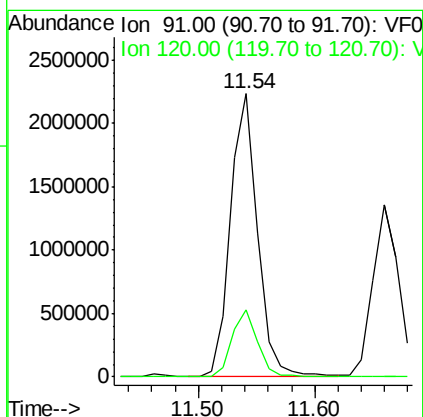
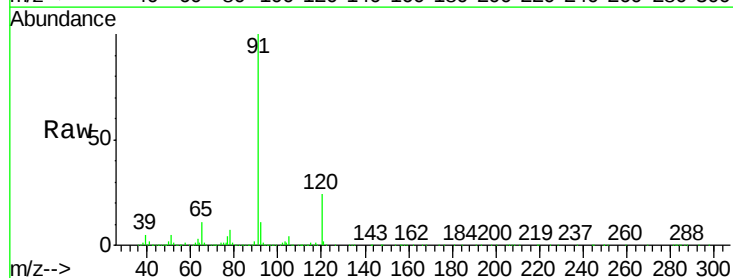
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

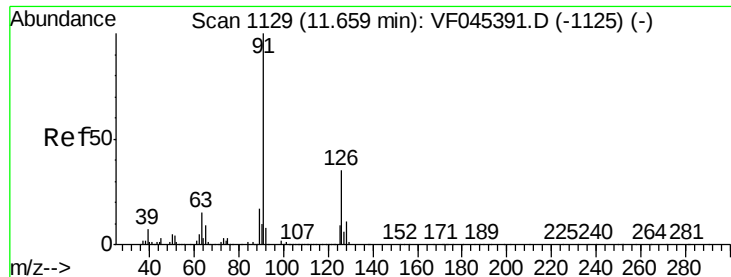
Tot Ion:156 Resp: 876368
Ion Ratio Lower Upper
156 100
77 140.8 74.8 224.3
158 96.9 49.5 148.7



#77
n-propylbenzene
Concen: 40.81 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion: 91 Resp: 3587869
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.7





#78

2-Chlorotoluene

Concen: 42.87 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

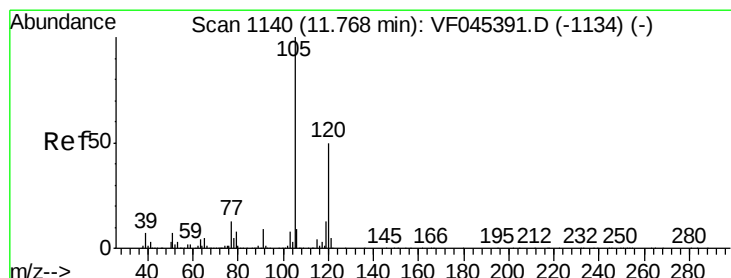
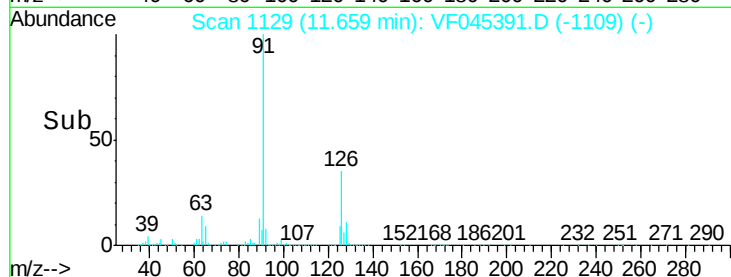
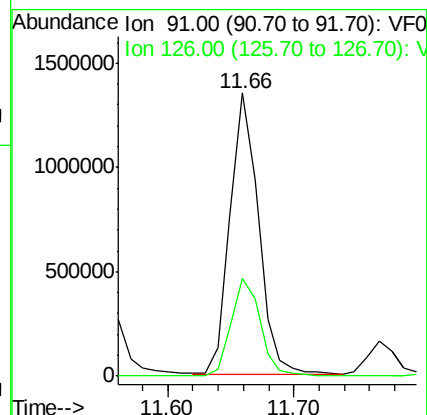
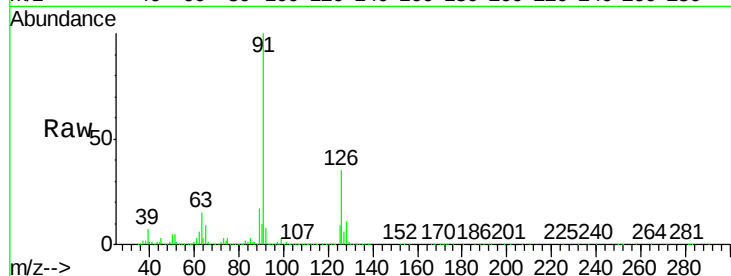
VSTDICCC050

Tot Ion: 91 Resp: 2092779

Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 45.36 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF045391.D

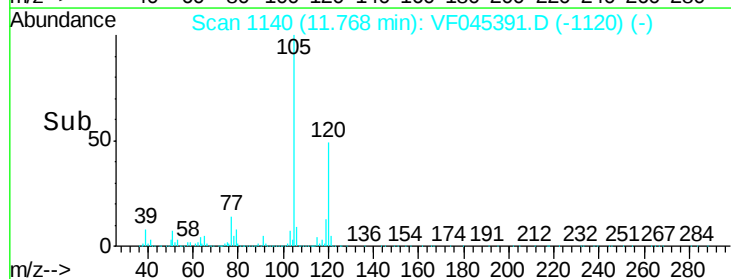
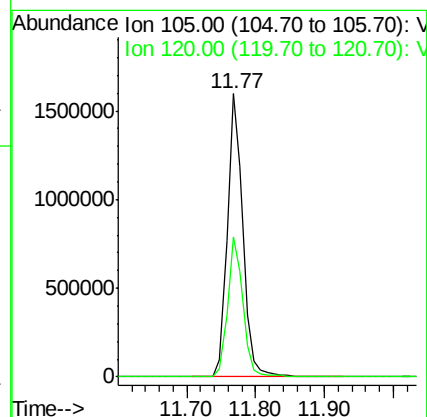
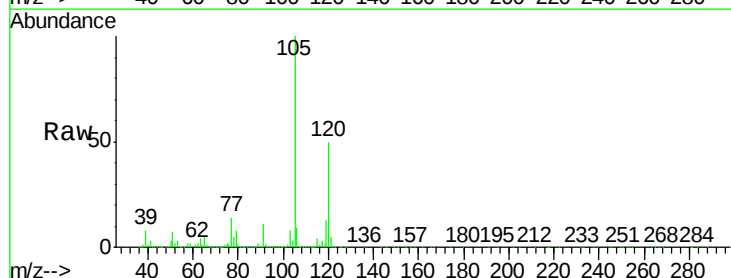
Acq: 16 Sep 2015 14:40

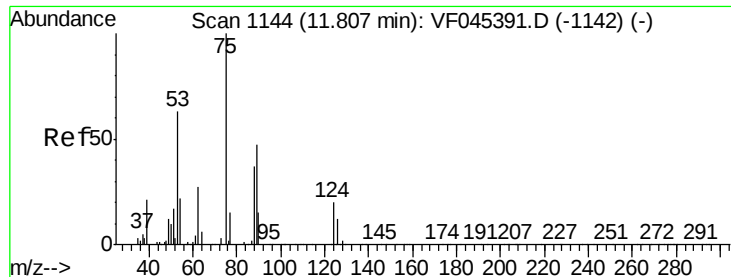
Tgt Ion:105 Resp: 2488961

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 60.34 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

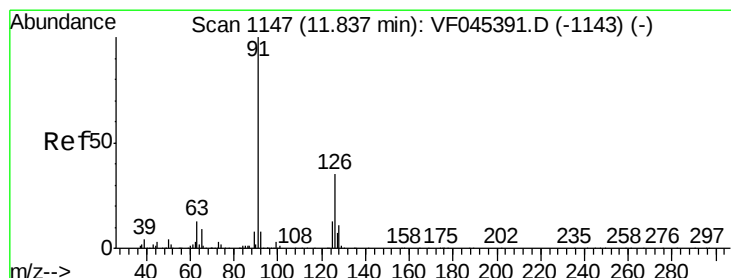
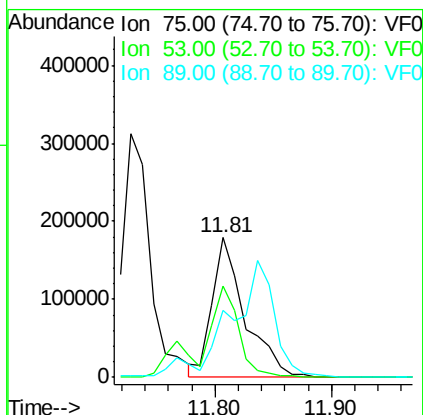
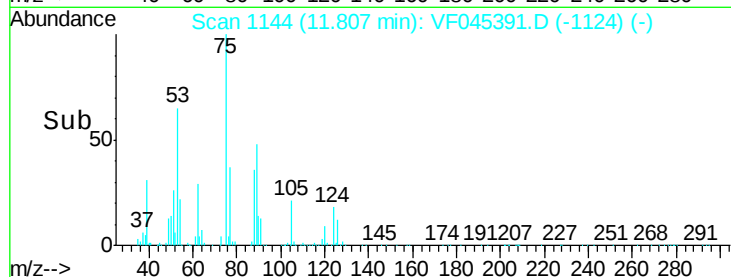
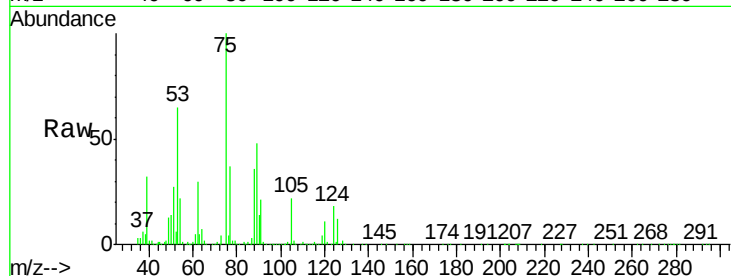
Tot Ion: 75 Resp: 348931

Ion Ratio Lower Upper

75 100

53 65.5 51.0 76.6

89 48.3 38.6 57.8



#81

4-Chlorotoluene

Concen: 43.74 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VF045391.D

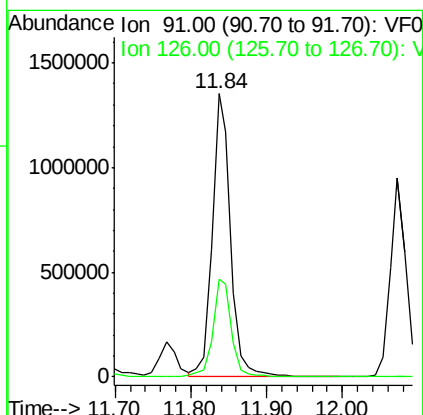
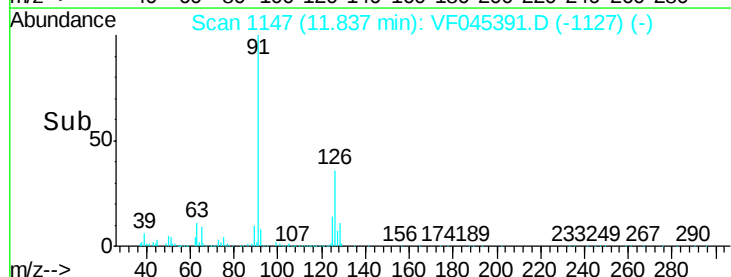
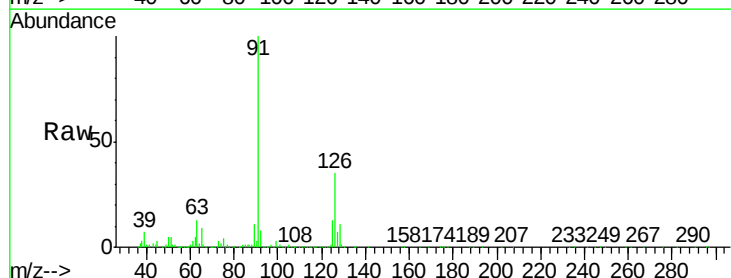
Acq: 16 Sep 2015 14:40

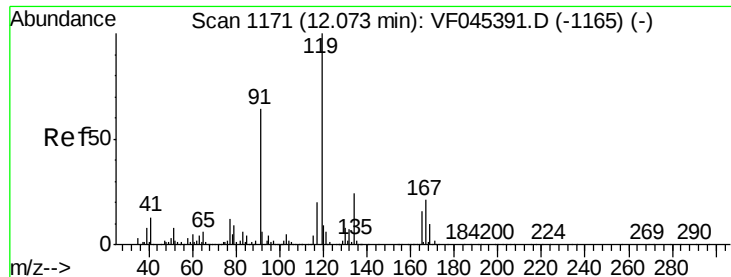
Tgt Ion: 91 Resp: 2289144

Ion Ratio Lower Upper

91 100

126 34.6 15.8 47.4





#82

tert-Butylbenzene

Concen: 44.26 ug/l

RT: 12.07 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

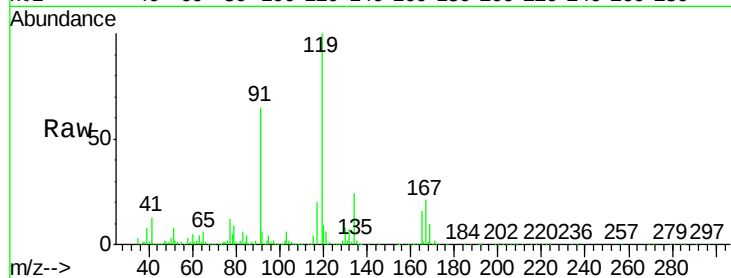
Tot Ion:119 Resp: 2348423

Ion Ratio Lower Upper

119 100

91 64.5 31.1 93.2

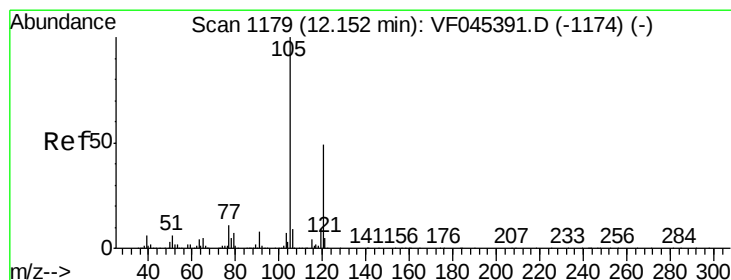
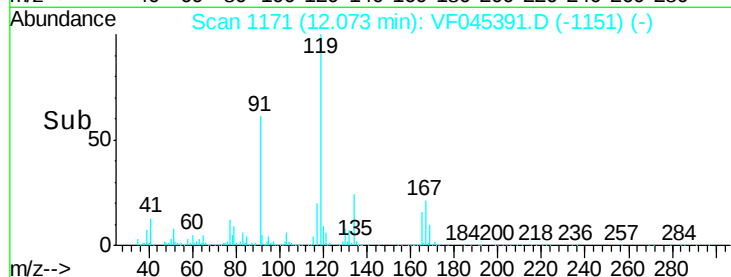
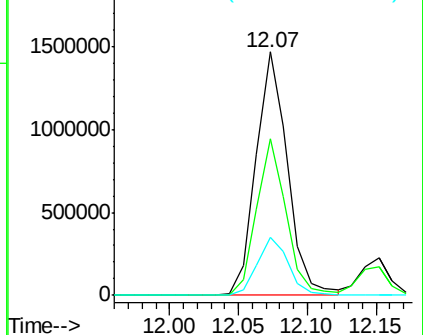
134 23.7 12.2 36.6



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: 46.36 ug/l

RT: 12.15 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VF045391.D

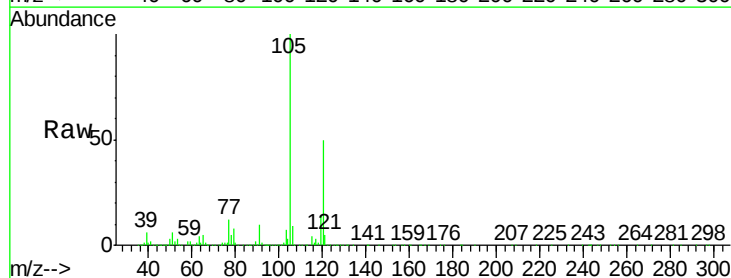
Acq: 16 Sep 2015 14:40

Tgt Ion:105 Resp: 2572473

Ion Ratio Lower Upper

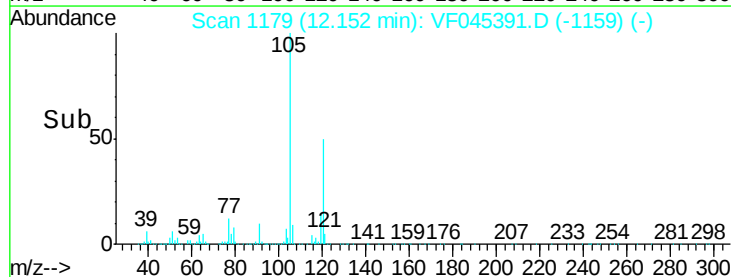
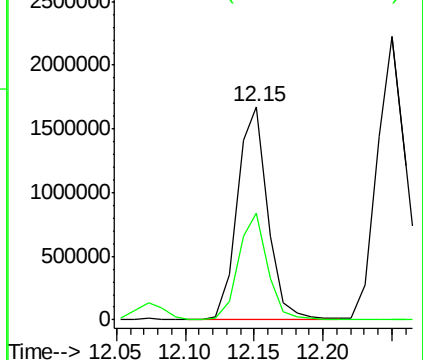
105 100

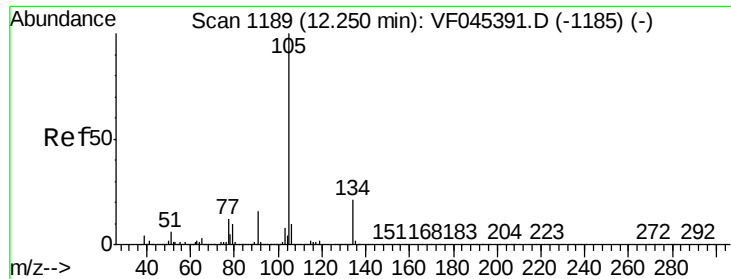
120 49.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

sec-Butylbenzene

Concen: 45.63 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

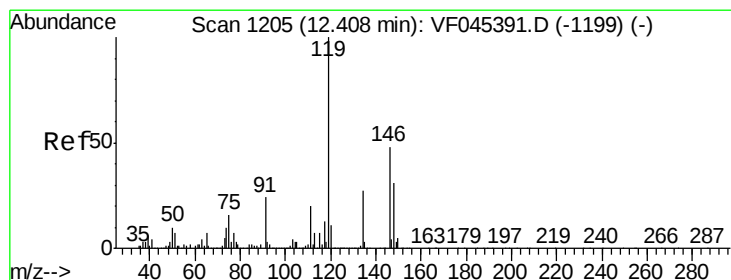
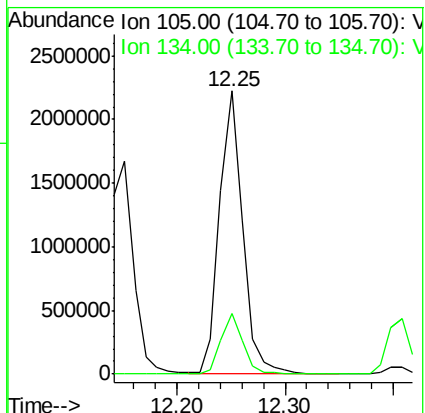
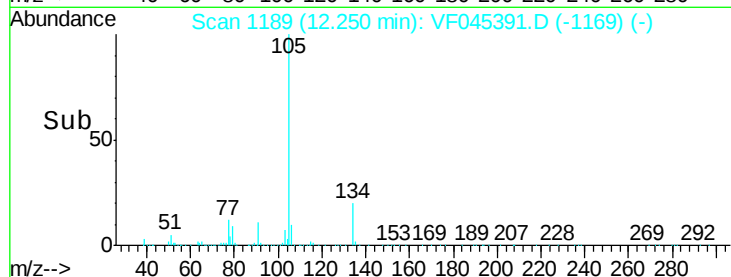
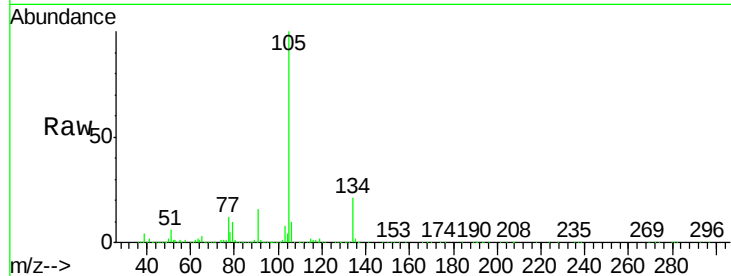
VSTDICCC050

Tot Ion:105 Resp: 3331550

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.6



#85

p-Isopropyltoluene

Concen: 44.79 ug/l

RT: 12.41 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

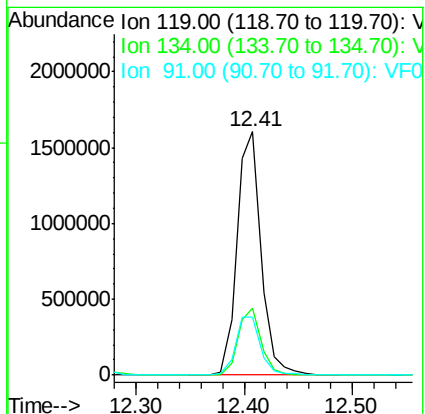
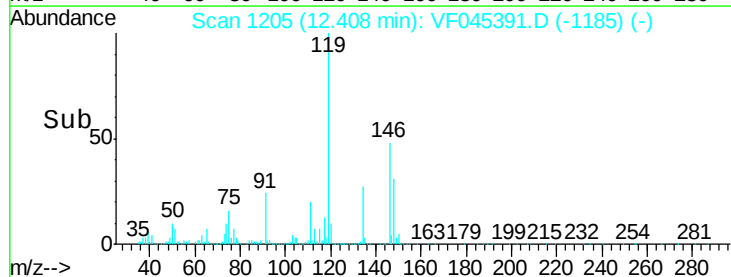
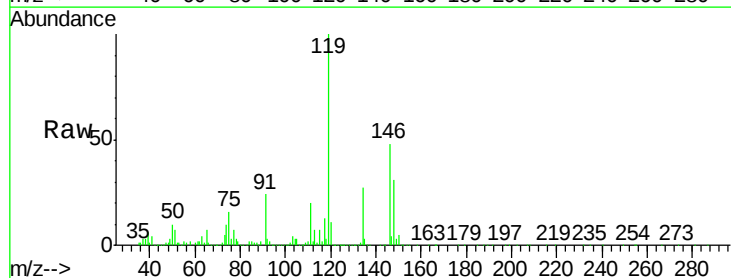
Tgt Ion:119 Resp: 2465334

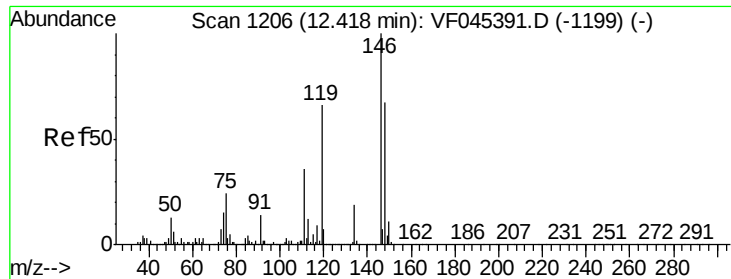
Ion Ratio Lower Upper

119 100

134 27.4 13.0 38.9

91 24.1 12.2 36.6

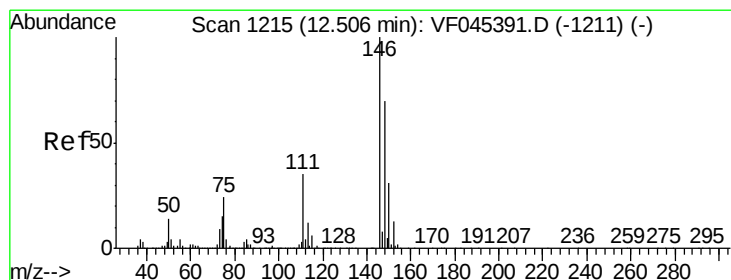
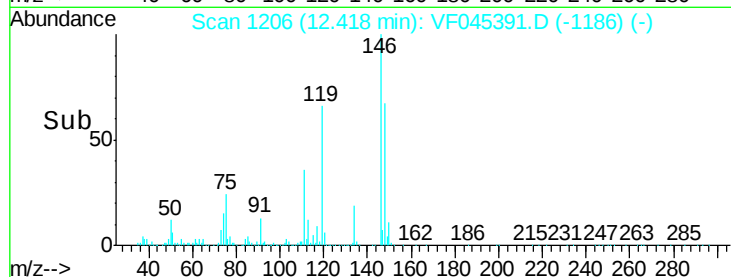
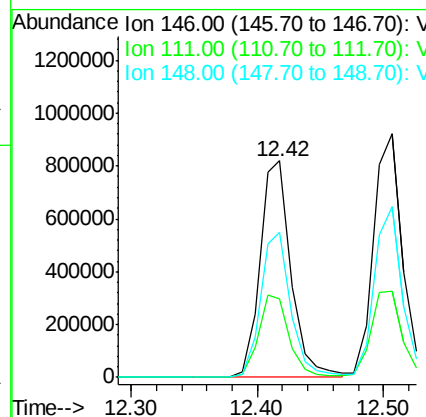
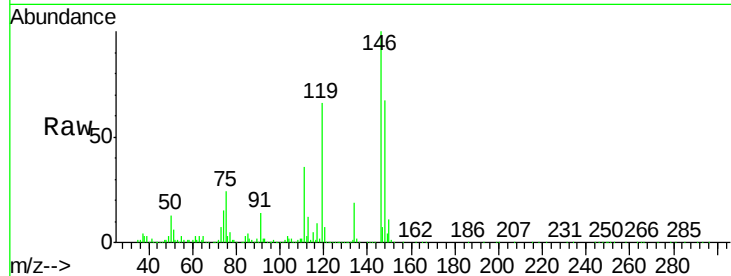




#86
 1,3-Dichlorobenzene
 Concen: 47.57 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

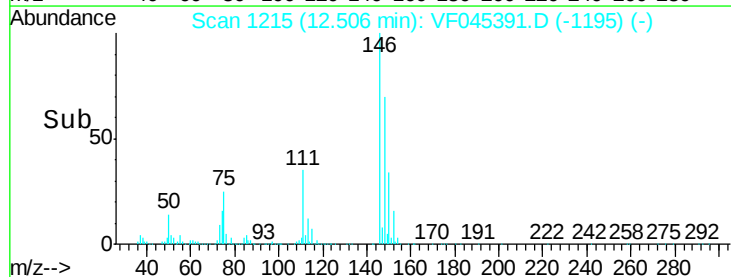
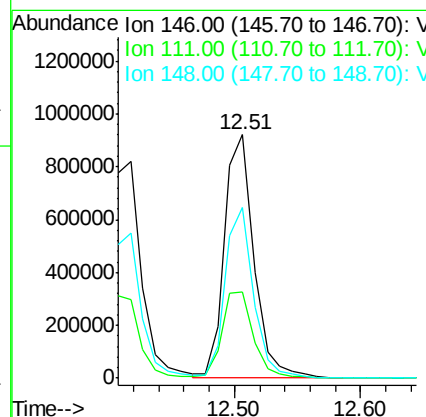
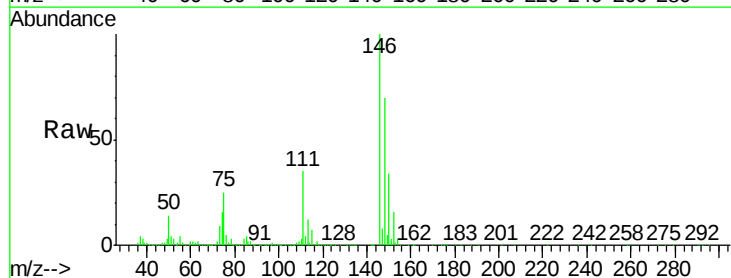
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

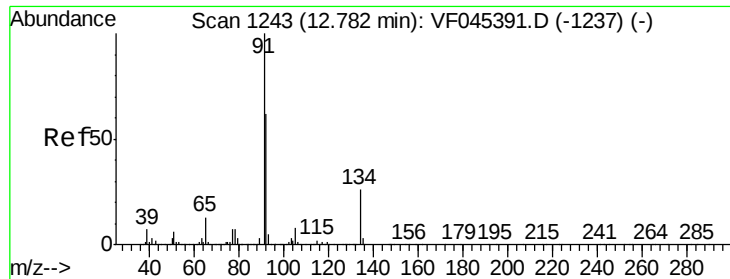
Tot Ion:146 Resp: 1403205
 Ion Ratio Lower Upper
 146 100
 111 36.3 19.9 59.7
 148 66.8 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 50.57 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion:146 Resp: 1489406
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.3 52.0
 148 69.9 32.4 97.0

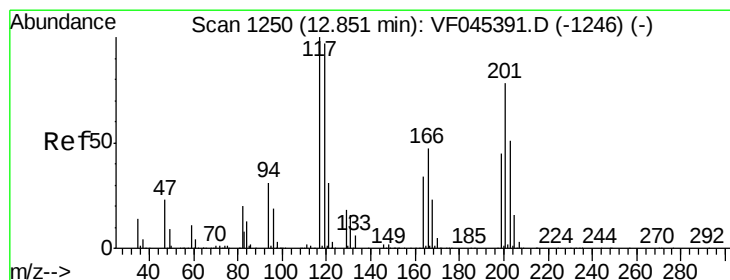
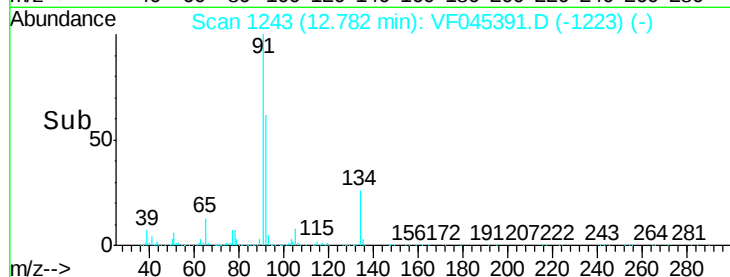
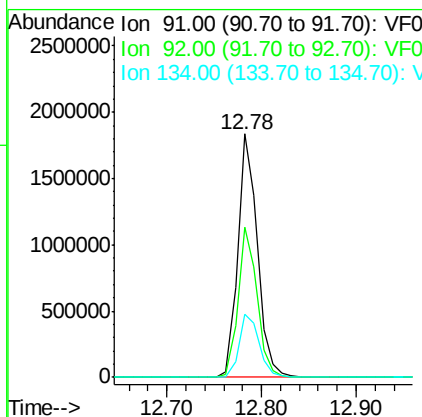
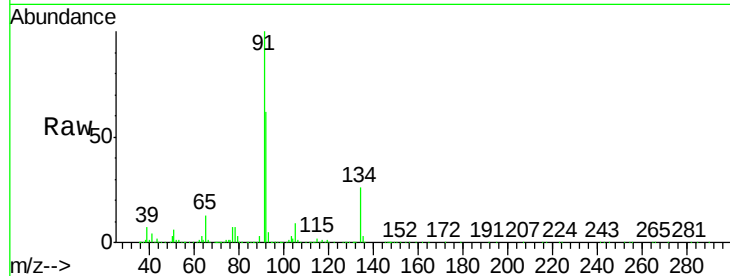




#88
n-Butylbenzene
Concen: 44.92 ug/l
RT: 12.78 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

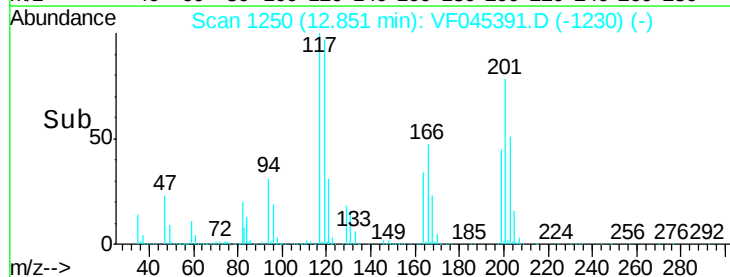
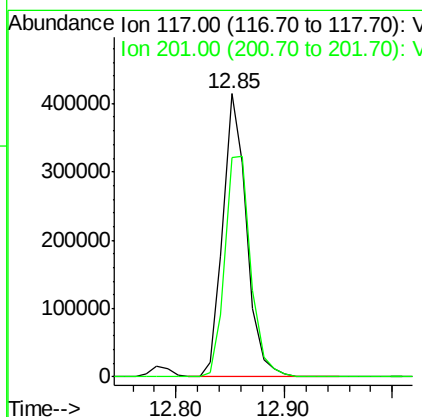
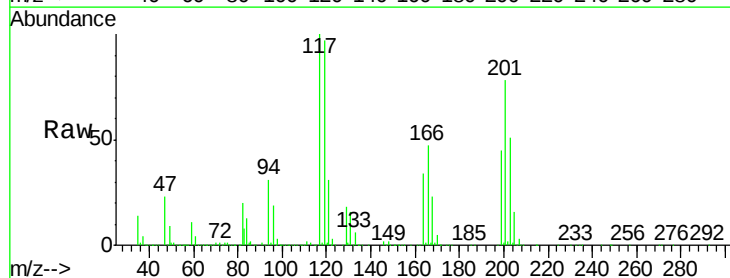
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

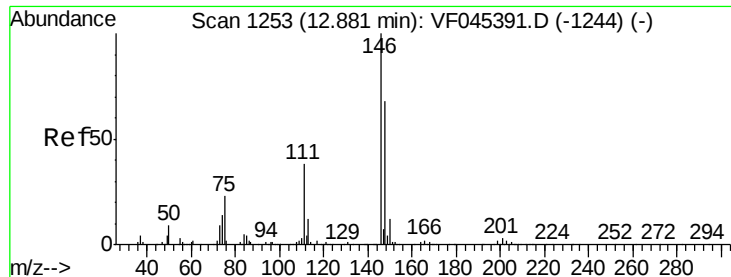
Tot Ion: 91 Resp: 2631891
Ion Ratio Lower Upper
91 100
92 61.6 30.1 90.5
134 26.2 13.8 41.4



#89
Hexachloroethane
Concen: 51.92 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion: 117 Resp: 631376
Ion Ratio Lower Upper
117 100
201 77.5 42.0 126.1

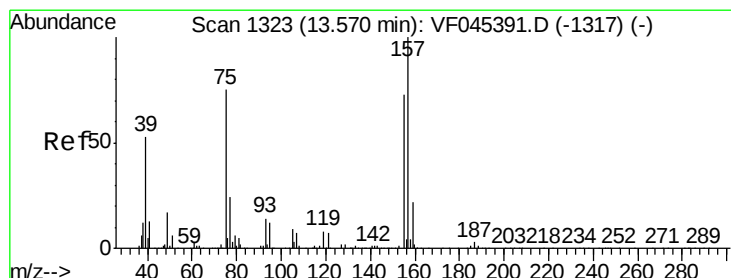
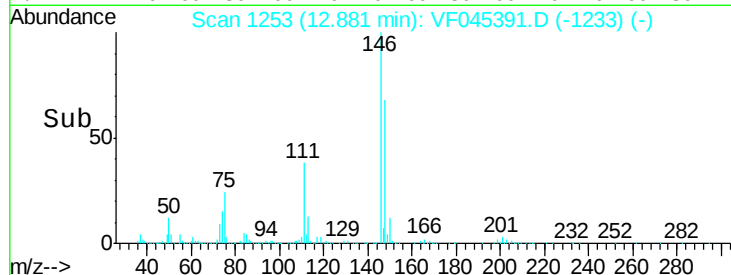
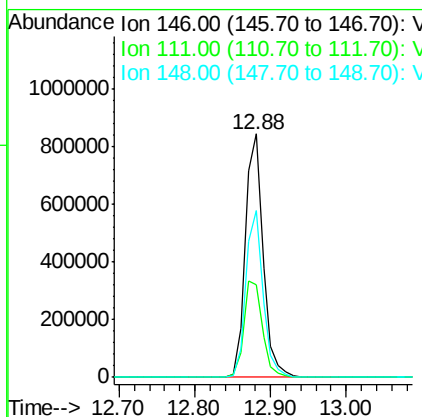
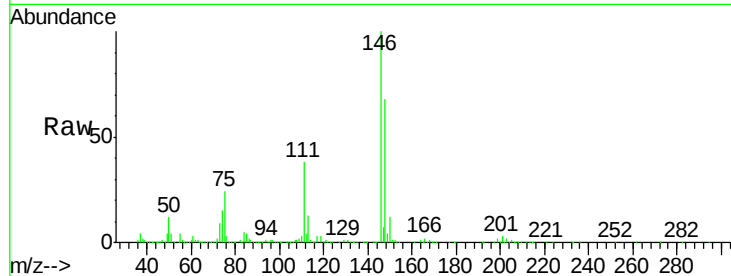




#90
 1,2-Dichlorobenzene
 Concen: 50.64 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

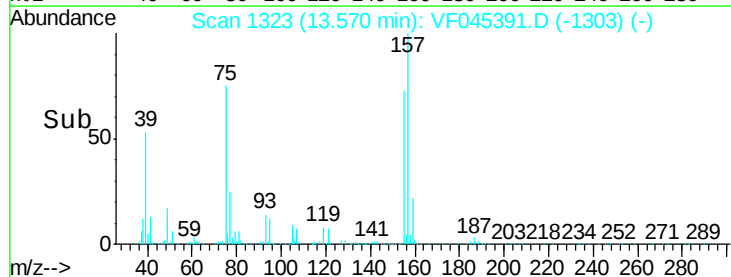
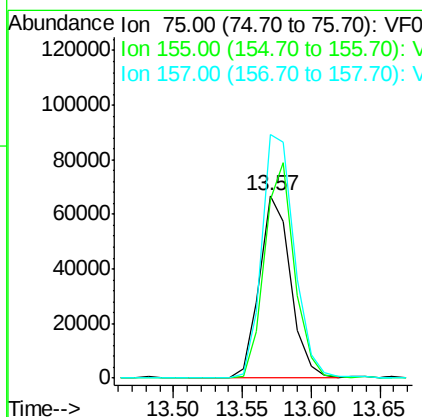
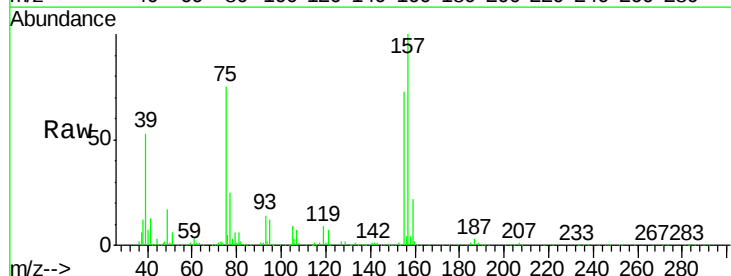
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

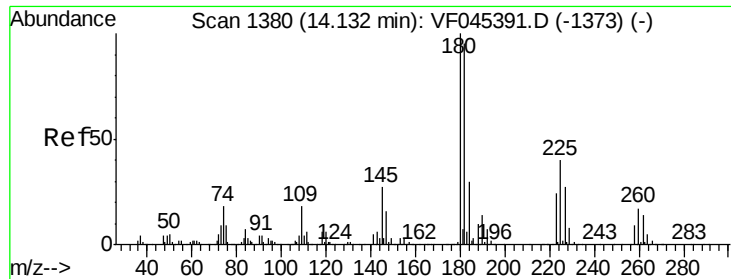
Tot Ion:146 Resp: 1360451
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.4 64.3
 148 68.3 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 54.55 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion: 75 Resp: 106027
 Ion Ratio Lower Upper
 75 100
 155 97.9 49.2 147.6
 157 133.3 66.8 200.4





#92

1,2,4-Trichlorobenzene

Concen: 57.50 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

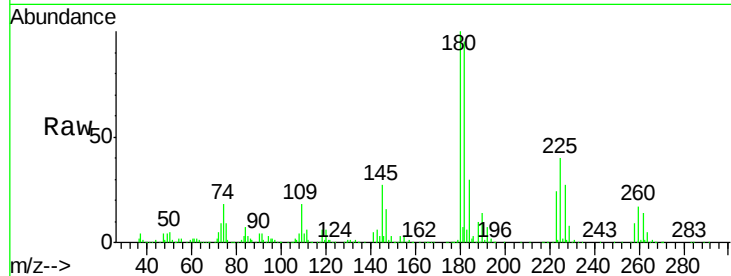
Tot Ion:180 Resp: 835305

Ion Ratio Lower Upper

180 100

182 94.6 49.4 148.0

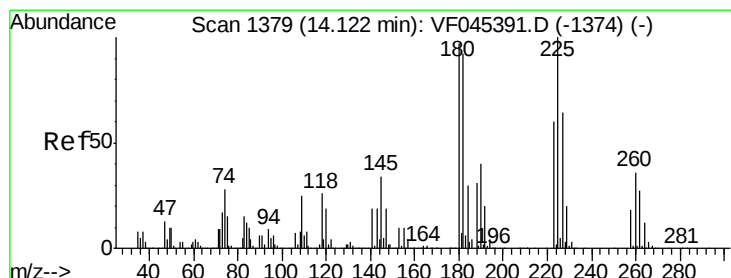
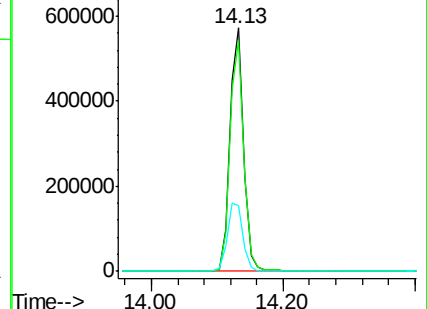
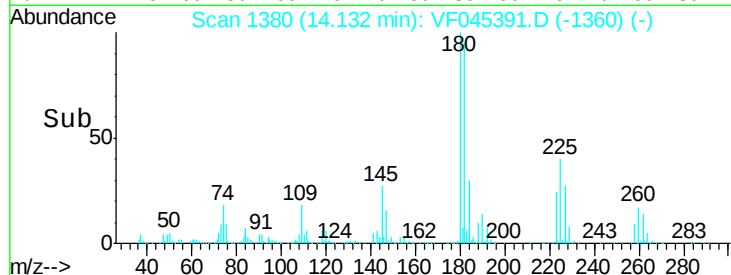
145 26.9 16.7 50.1



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: 53.09 ug/l

RT: 14.12 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

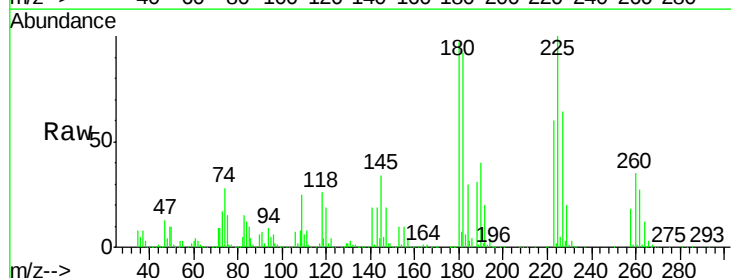
Tgt Ion:225 Resp: 592678

Ion Ratio Lower Upper

225 100

223 59.8 31.9 95.5

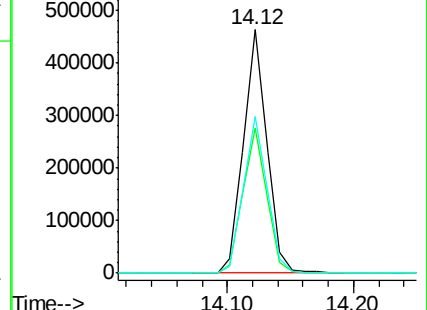
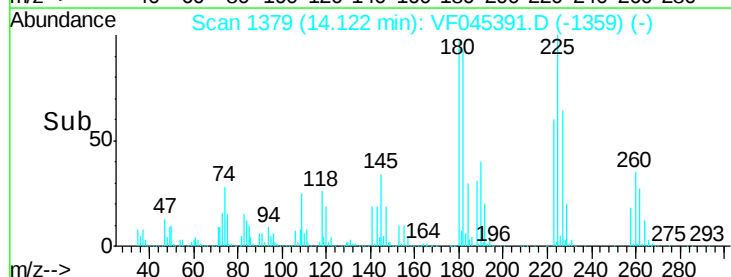
227 64.1 32.9 98.7

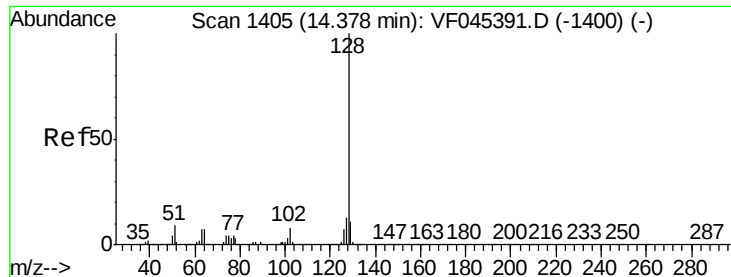


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#94

Naphthalene

Concen: 60.39 ug/l

RT: 14.38 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

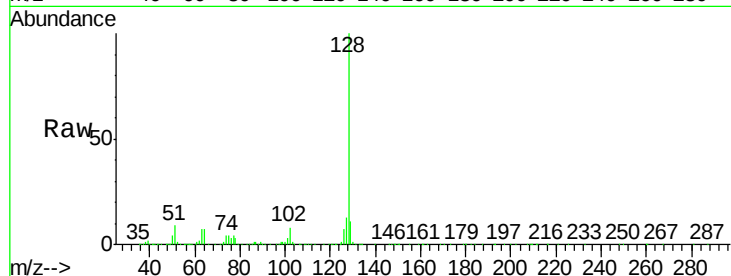
Tot Ion:128 Resp: 1546758

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

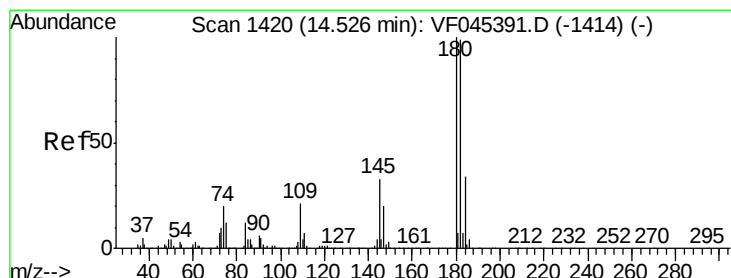
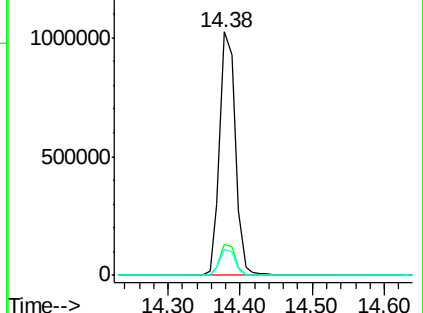
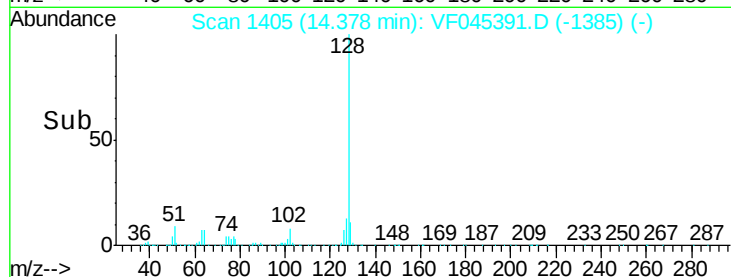
129 10.7 8.8 13.2



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: 59.46 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

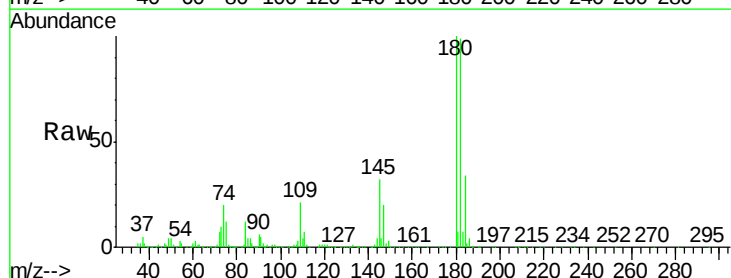
Tgt Ion:180 Resp: 696587

Ion Ratio Lower Upper

180 100

182 98.8 47.6 142.8

145 32.5 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

