

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045390.D
 Acq On : 16 Sep 2015 14:12
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 16 15:25:28 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	1115053	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1675865	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.69	117	1637103	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.48	152	915031	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.77	65	227707	19.34	ug/l	0.00
Spiked Amount			Recovery	=	38.68%	
34) Dibromofluoromethane	4.03	113	248900	19.38	ug/l	0.00
Spiked Amount			Recovery	=	38.76%	
49) Toluene-d8	7.49	98	786503	20.39	ug/l	0.00
Spiked Amount			Recovery	=	40.78%	
61) 4-Bromofluorobenzene	11.35	95	374503	21.24	ug/l	0.00
Spiked Amount			Recovery	=	42.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	188945	20.88	ug/l	91
3) Chloromethane	1.02	50	162367	16.33	ug/l	96
4) Vinyl Chloride	1.09	62	140639	18.34	ug/l	96
5) Bromomethane	1.25	94	81227	21.70	ug/l	94
6) Chloroethane	1.32	64	46532	18.27	ug/l	95
7) Trichlorofluoromethane	1.39	101	140718	11.28	ug/l	99
8) Diethyl Ether	1.59	74	52834	16.79	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.77	101	164967	20.63	ug/l	95
10) Methyl Iodide	1.80	142	318380	20.28	ug/l	96
11) Tert butyl alcohol	2.50	59	16949	127.05	ug/l #	82
12) 1,1-Dichloroethene	1.71	96	134325	20.11	ug/l	90
13) Acrolein	1.95	56	53130	76.28	ug/l	98
14) Allyl chloride	2.05	41	197944	15.88	ug/l	94
15) Acrylonitrile	2.88	53	124700	77.08	ug/l #	90
16) Acetone	2.18	43	230964	80.24	ug/l	99
17) Carbon Disulfide	1.72	76	449165	20.26	ug/l	100
18) Methyl Acetate	2.38	43	43363	3.28	ug/l	94
19) Methyl tert-butyl Ether	2.38	73	116840	22.37	ug/l #	88
20) Methylene Chloride	2.13	84	156217	20.70	ug/l	92
21) trans-1,2-Dichloroethene	2.26	96	148009	19.13	ug/l	87
22) Diisopropyl ether	2.74	45	434566	15.93	ug/l	98
23) Vinyl Acetate	3.12	43	631975	75.93	ug/l	99
24) 1,1-Dichloroethane	2.81	63	292368	18.00	ug/l	99
25) 2-Butanone	4.25	43	356619	72.24	ug/l #	90
26) 2,2-Dichloropropane	3.53	77	292715	20.73	ug/l	94
27) cis-1,2-Dichloroethene	3.41	96	228638	18.69	ug/l	99
28) Bromochloromethane	3.64	49	122307	14.39	ug/l #	96
29) Chloroform	3.77	83	419381	19.47	ug/l	95
30) Cyclohexane	3.64	56	261315	15.39	ug/l	96
31) 1,1,1-Trichloroethane	4.02	97	339849	20.36	ug/l	96
35) 1,1-Dichloropropene	4.20	75	308374	19.33	ug/l	95
36) Ethyl Acetate	4.03	43	143897	15.02	ug/l #	50
37) Carbon Tetrachloride	3.91	117	306092	22.33	ug/l	96
38) Methylcyclohexane	5.39	83	337360	19.58	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	729984	18.25	ug/l	98
40) Methacrylonitrile	4.67	41	70740	15.59	ug/l	97
41) 1,2-Dichloroethane	4.87	62	285087	21.22	ug/l	100
42) Isopropyl Acetate	6.90	43	205244	15.84	ug/l #	99
43) Trichloroethene	5.44	130	260523	22.68	ug/l	100
44) 1,2-Dichloropropane	6.17	63	220241	18.29	ug/l	97
45) Dibromomethane	6.01	93	150894	20.15	ug/l	99
46) Bromodichloromethane	6.32	83	336789	21.24	ug/l	95
47) Methyl methacrylate	6.65	41	128352	16.99	ug/l	88
48) 1,4-Dioxane	6.64	88	27088	352.29	ug/l	95
50) 4-Methyl-2-Pentanone	8.19	43	714257	76.54	ug/l	94
51) Toluene	7.56	92	572025	20.87	ug/l	100
52) t-1,3-Dichloropropene	8.21	75	298029	19.59	ug/l	91
53) cis-1,3-Dichloropropene	7.23	75	363707	19.57	ug/l	92
54) 1,1,2-Trichloroethane	8.41	97	185930	19.57	ug/l	98
55) Ethyl methacrylate	8.55	69	248182	18.76	ug/l	95
56) 1,3-Dichloropropane	8.78	76	326818	19.87	ug/l	91
58) 2-Hexanone	9.42	43	587716	79.44	ug/l	99
59) Dibromochloromethane	8.64	129	259441	21.65	ug/l	99
60) 1,2-Dibromoethane	8.91	107	217497	20.35	ug/l	91
63) Tetrachloroethene	8.09	164	250496	22.35	ug/l	95
64) Chlorobenzene	9.72	112	677417	20.15	ug/l	100
65) 1,1,1,2-Tetrachloroethane	9.85	131	237267	20.55	ug/l	95
66) Ethyl Benzene	9.82	91	1174952	19.68	ug/l	98
67) m/p-Xylenes	10.06	106	855555	41.34	ug/l	95
68) o-Xylene	10.65	106	439287	20.26	ug/l	97
69) Styrene	10.72	104	681560	19.61	ug/l	98
70) Bromoform	10.70	173	176218	21.55	ug/l	97
72) Isopropylbenzene	11.06	105	1293402	19.31	ug/l	100
73) N-amyl acetate	11.32	43	334575	14.45	ug/l #	90
74) 1,1,2,2-Tetrachloroethane	11.63	83	279762	17.40	ug/l	95
75) 1,2,3-Trichloropropane	11.73	75	179630	15.52	ug/l	95
76) Bromobenzene	11.43	156	346775	20.12	ug/l	100
77) n-propylbenzene	11.54	91	1611487	18.76	ug/l	97
78) 2-Chlorotoluene	11.65	91	874946	18.34	ug/l	100
79) 1,3,5-Trimethylbenzene	11.76	105	1022719	19.08	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.80	75	115288	20.41	ug/l	95
81) 4-Chlorotoluene	11.84	91	932519	18.24	ug/l	97
82) tert-Butylbenzene	12.07	119	1037477	20.01	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	1075751	19.84	ug/l	98
84) sec-Butylbenzene	12.25	105	1421935	19.94	ug/l	96
85) p-Isopropyltoluene	12.40	119	1096592	20.39	ug/l	98
86) 1,3-Dichlorobenzene	12.41	146	596695	20.70	ug/l	97
87) 1,4-Dichlorobenzene	12.50	146	571804	19.87	ug/l	97
88) n-Butylbenzene	12.78	91	1130611	19.75	ug/l	96
89) Hexachloroethane	12.85	117	243402	20.49	ug/l	82
90) 1,2-Dichlorobenzene	12.88	146	554802	21.14	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.57	75	33683	17.74	ug/l	83
92) 1,2,4-Trichlorobenzene	14.13	180	301338	21.23	ug/l	98
93) Hexachlorobutadiene	14.12	225	239854	21.99	ug/l	99

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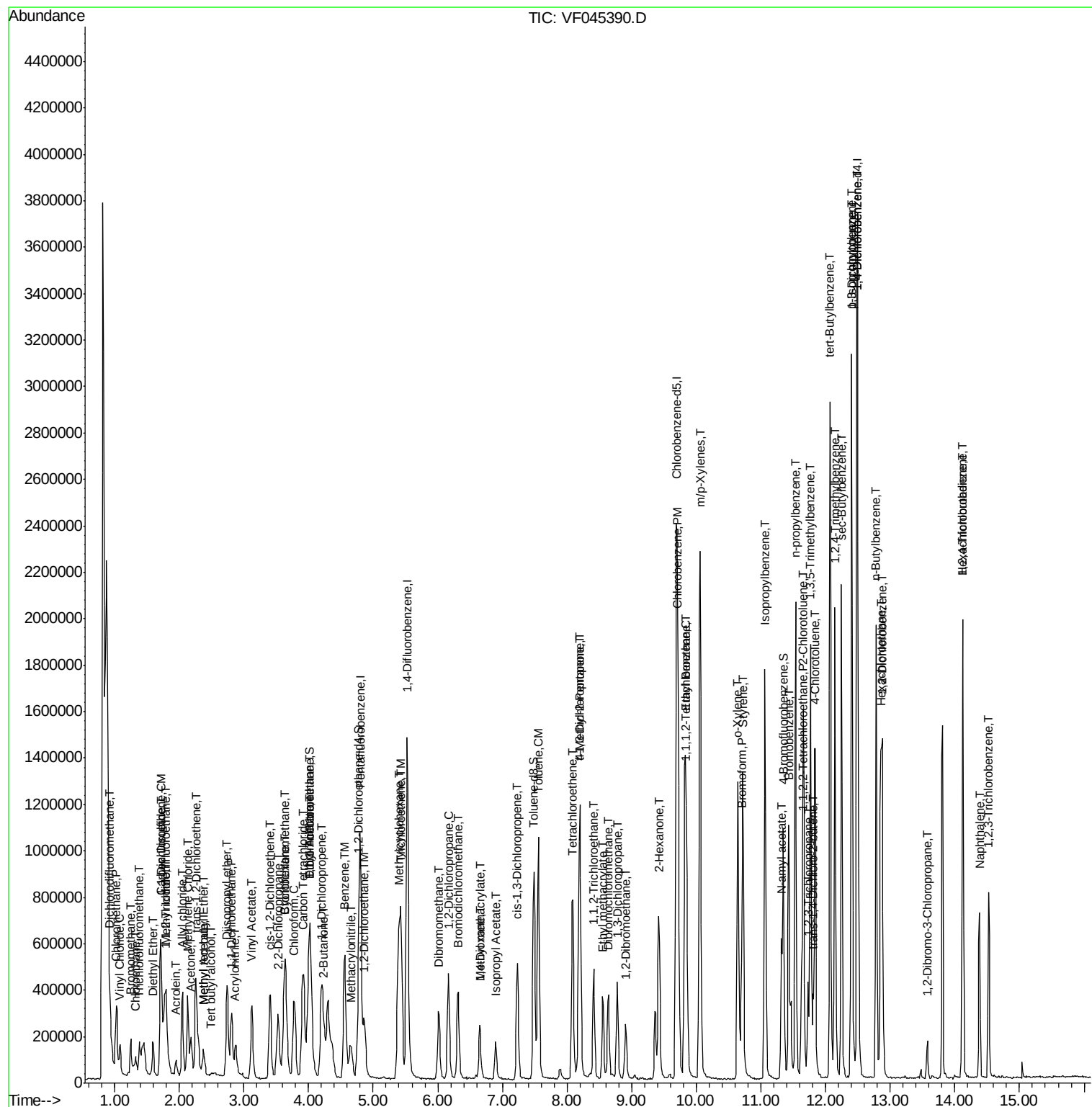
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	513838	20.53	ug/l	99
95) 1,2,3-Trichlorobenzene	14.52	180	237408	20.74	ug/l	99

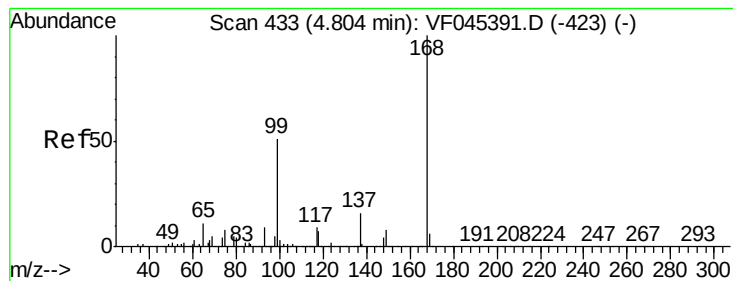
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

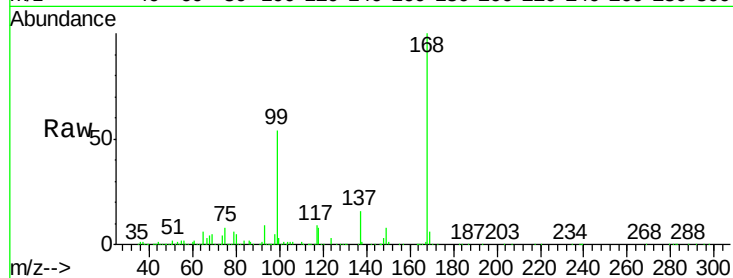
VSTDIC020

Tot Ion:168 Resp: 1115053

Ion Ratio Lower Upper

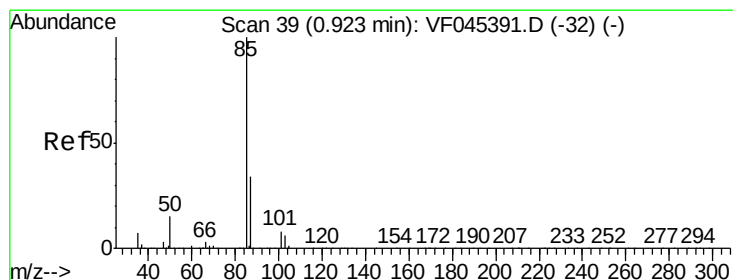
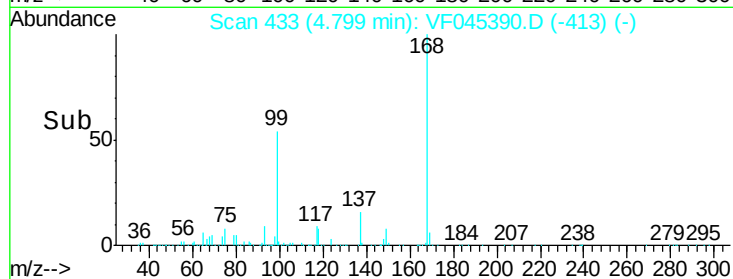
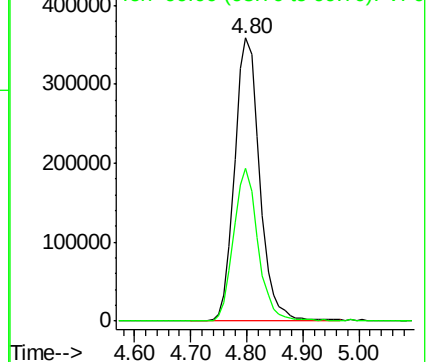
168 100

99 54.2 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.88 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.01 min

Lab File: VF045390.D

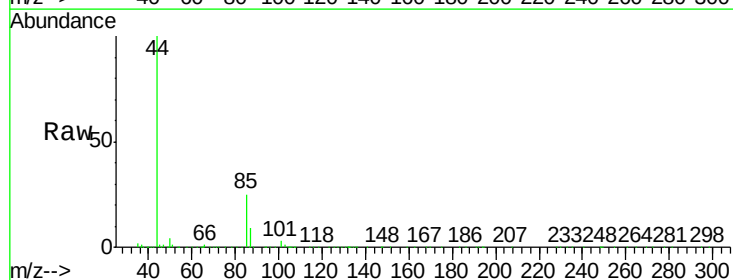
Acq: 16 Sep 2015 14:12

Tgt Ion: 85 Resp: 188945

Ion Ratio Lower Upper

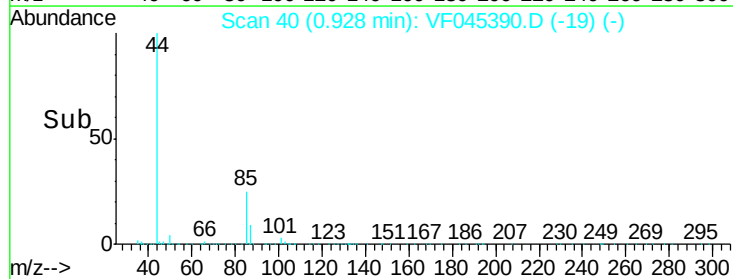
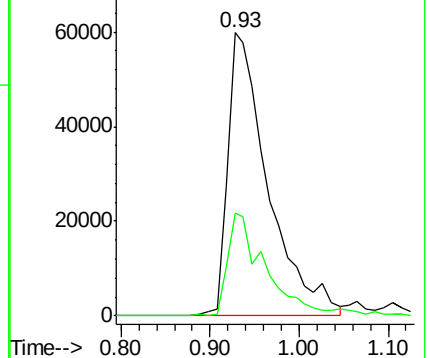
85 100

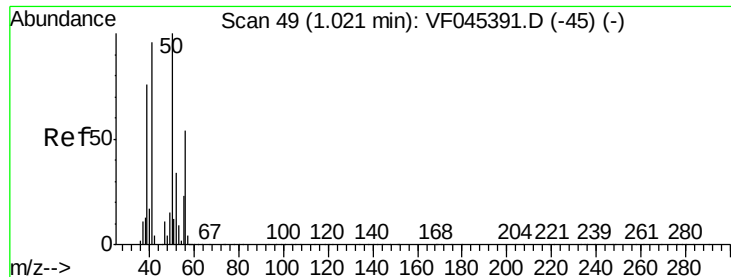
87 36.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 16.33 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

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ClientSampleId :

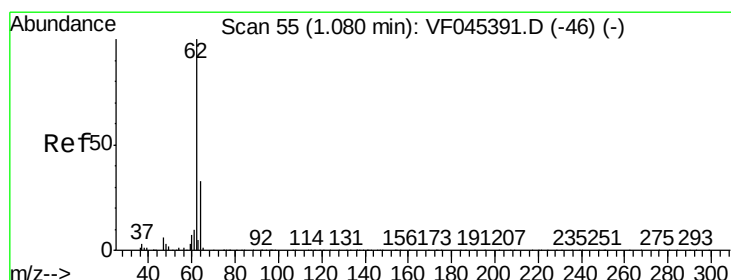
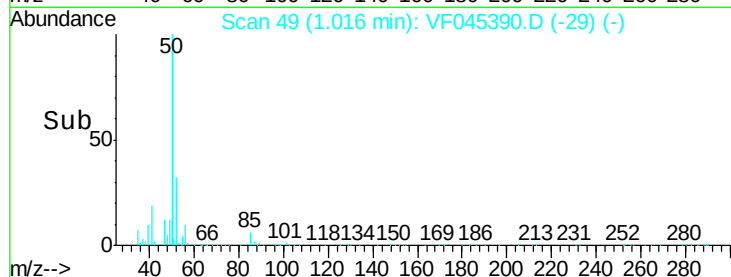
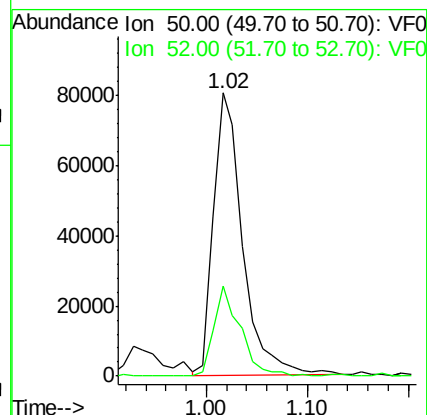
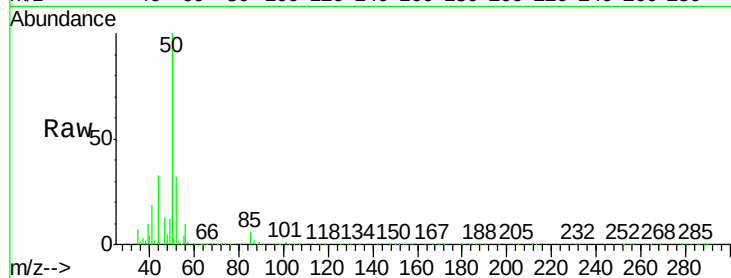
VSTDIC020

Tot Ion: 50 Resp: 162367

Ion Ratio Lower Upper

50 100

52 31.8 23.8 35.8



#4

Vinyl Chloride

Concen: 18.34 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF045390.D

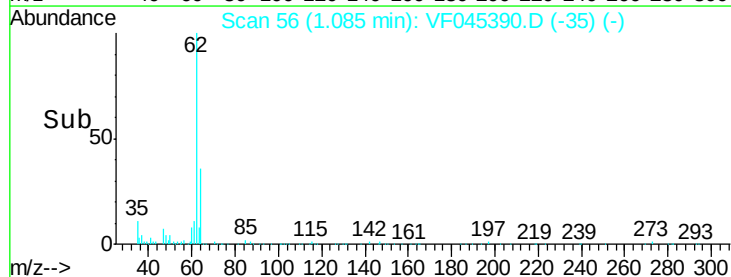
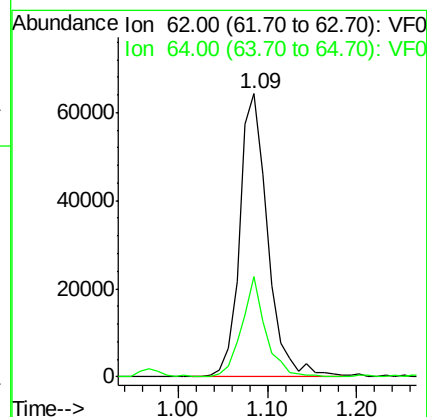
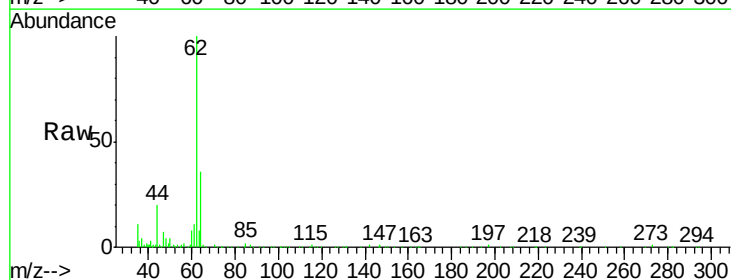
Acq: 16 Sep 2015 14:12

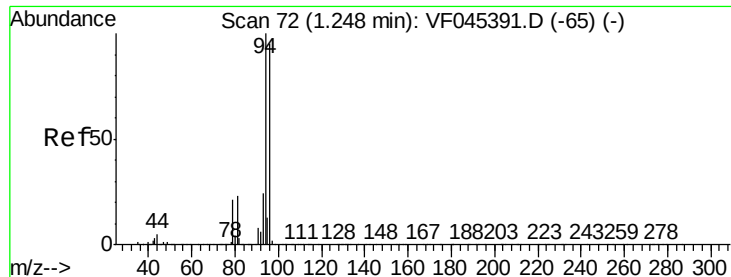
Tgt Ion: 62 Resp: 140639

Ion Ratio Lower Upper

62 100

64 35.5 26.6 39.8





#5

Bromomethane

Concen: 21.70 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

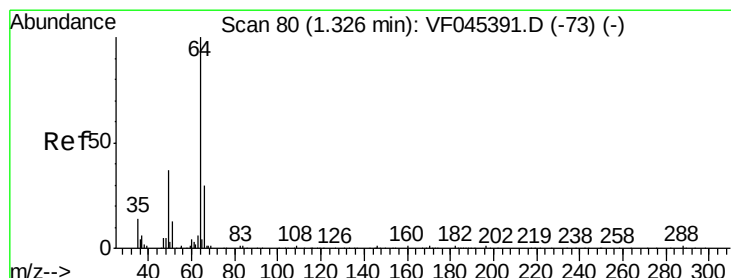
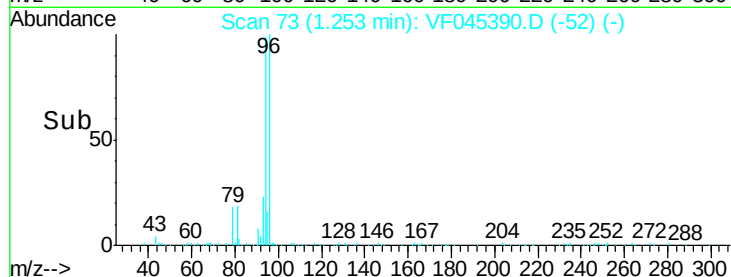
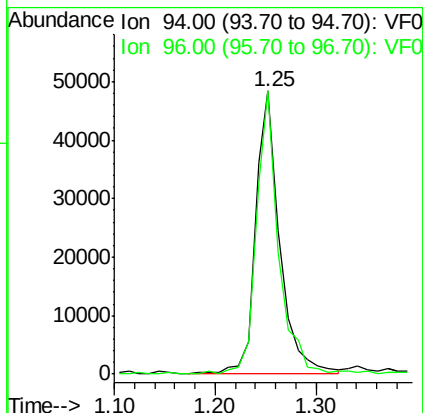
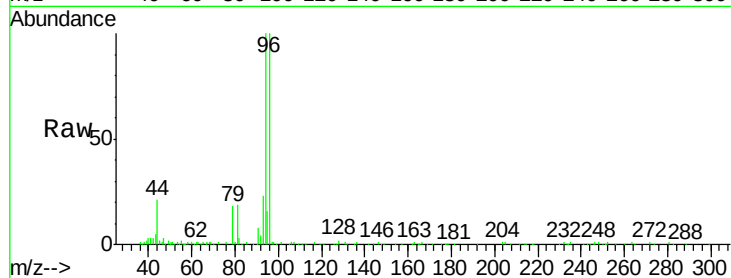
VSTDIC020

Tot Ion: 94 Resp: 81227

Ion Ratio Lower Upper

94 100

96 99.9 75.0 112.4



#6

Chloroethane

Concen: 18.27 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF045390.D

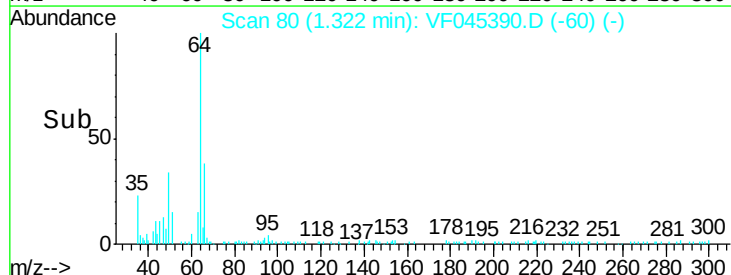
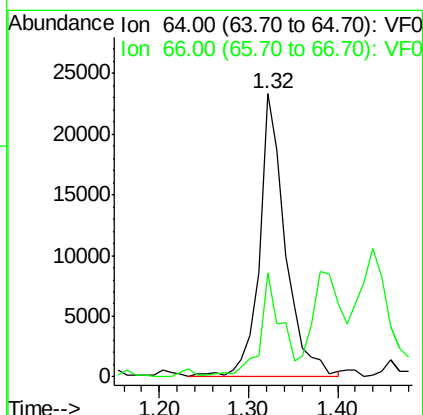
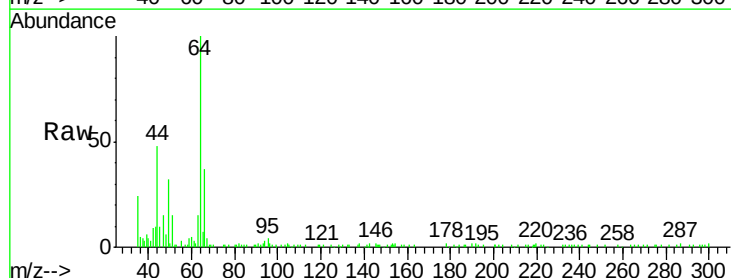
Acq: 16 Sep 2015 14:12

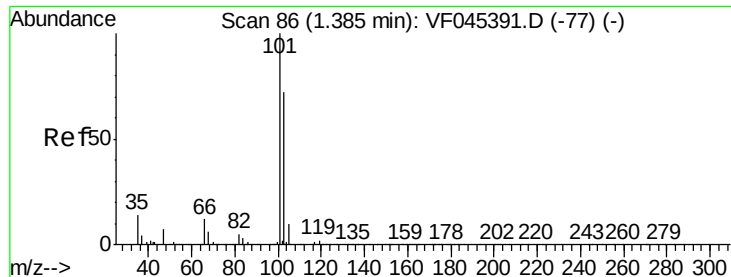
Tgt Ion: 64 Resp: 46532

Ion Ratio Lower Upper

64 100

66 36.9 27.3 40.9





#7

Trichlorofluoromethane

Concen: 11.28 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF045390.D

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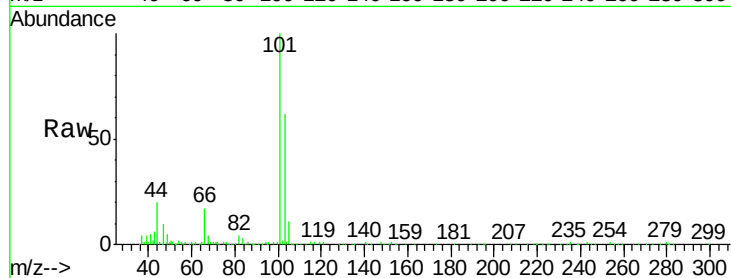
VSTDIC020

Tot Ion:101 Resp: 140718

Ion Ratio Lower Upper

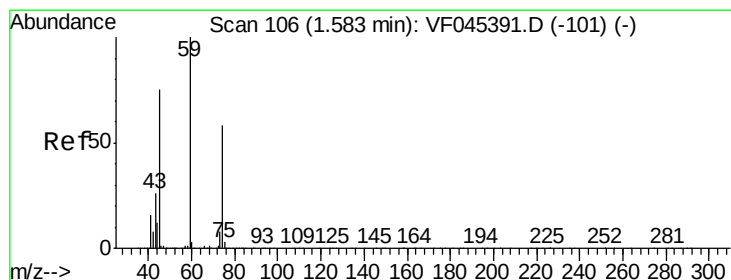
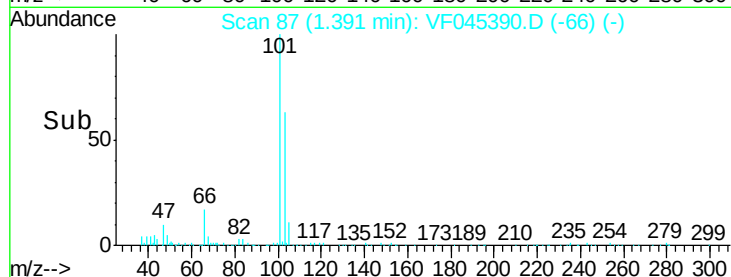
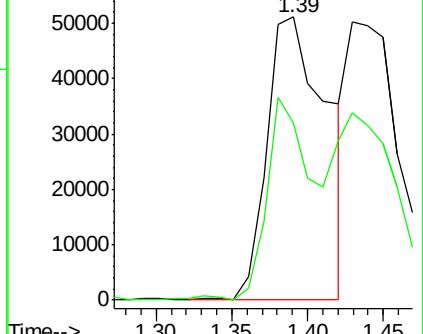
101 100

103 62.5 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: 16.79 ug/l

RT: 1.59 min Scan# 107

Delta R.T. 0.00 min

Lab File: VF045390.D

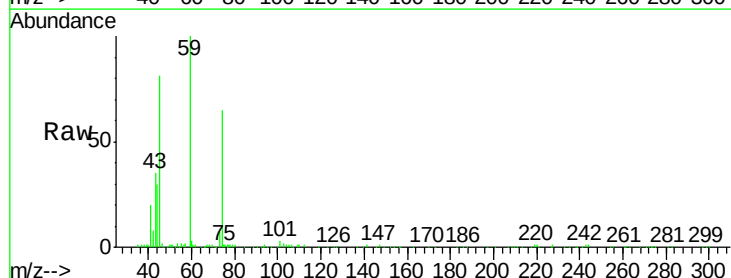
Acq: 16 Sep 2015 14:12

Tgt Ion: 74 Resp: 52834

Ion Ratio Lower Upper

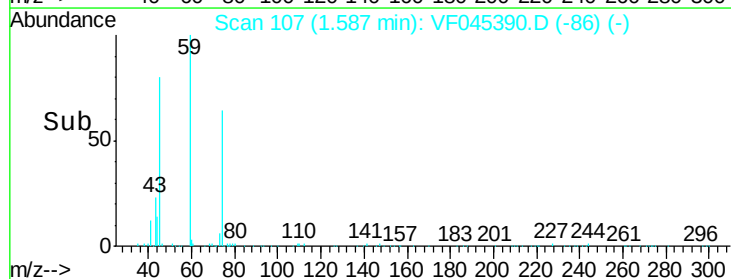
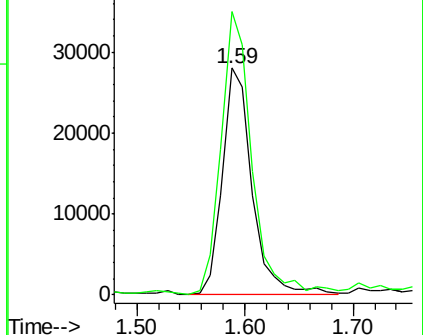
74 100

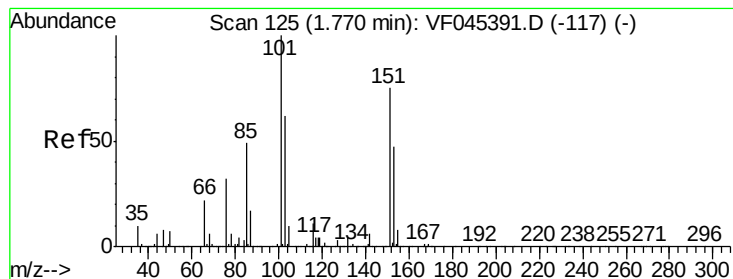
45 124.8 60.9 182.7



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: 20.63 ug/l

RT: 1.77 min Scan# 126

Delta R.T. 0.01 min

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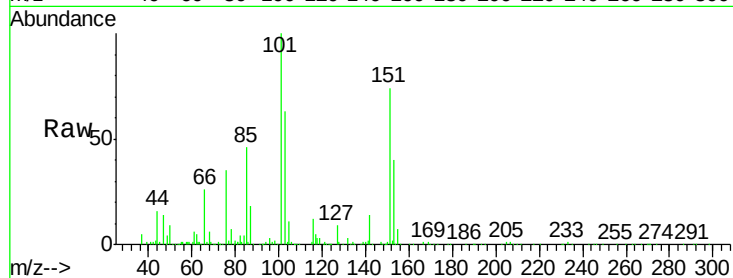
Tot Ion:101 Resp: 164967

Ion Ratio Lower Upper

101 100

85 46.4 40.0 60.0

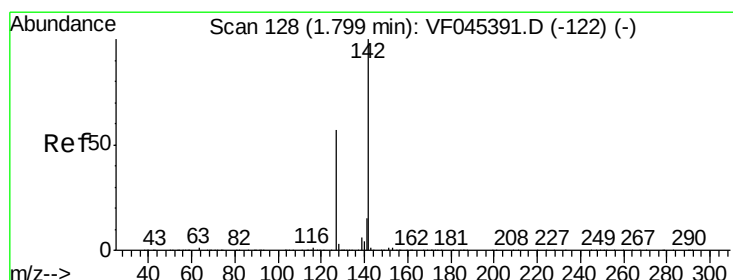
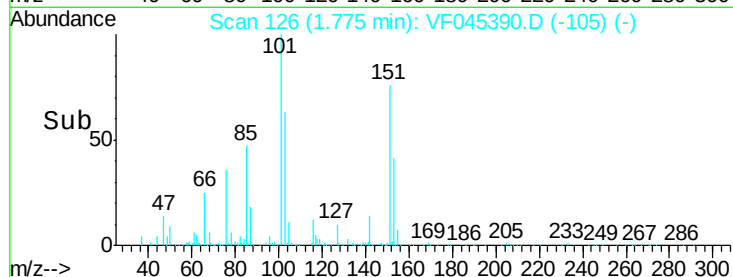
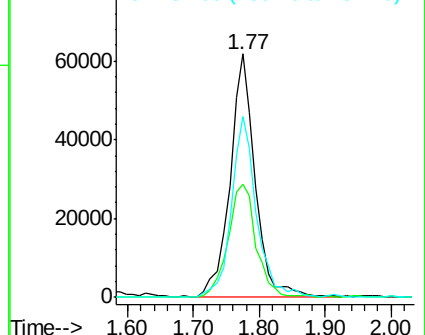
151 74.2 62.8 94.2



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: 20.28 ug/l

RT: 1.80 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

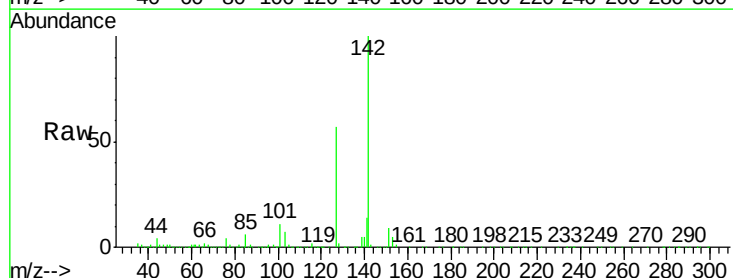
Tgt Ion:142 Resp: 318380

Ion Ratio Lower Upper

142 100

127 57.2 43.3 64.9

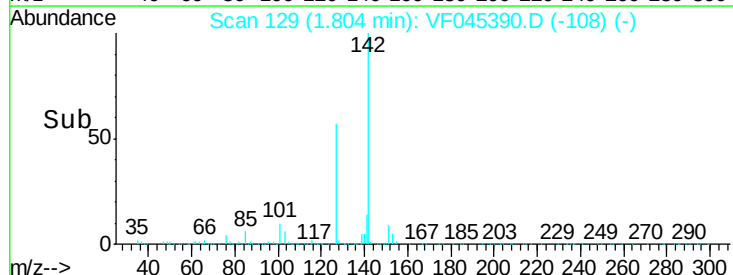
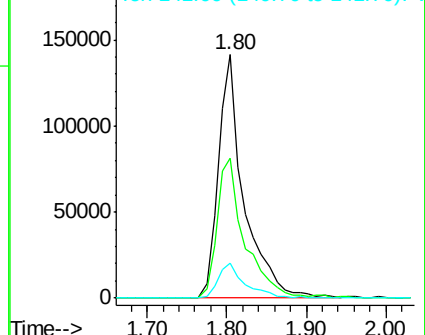
141 14.3 12.1 18.1

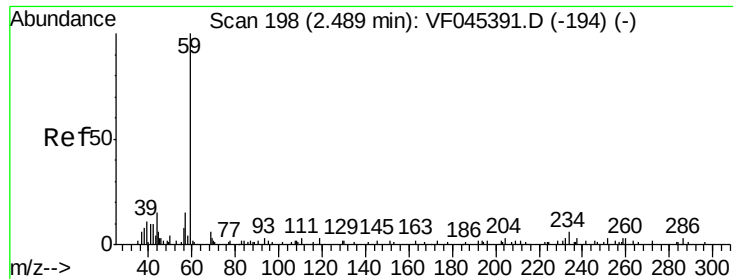


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

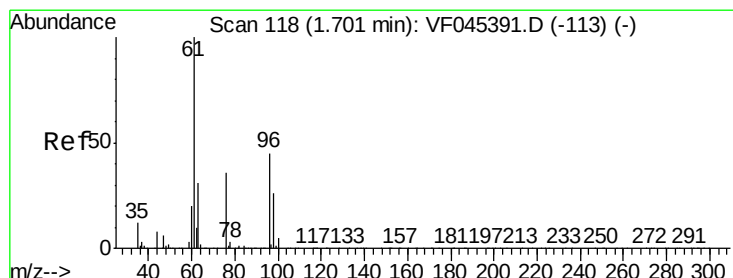
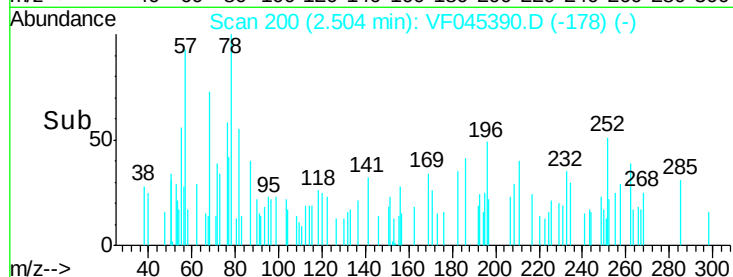
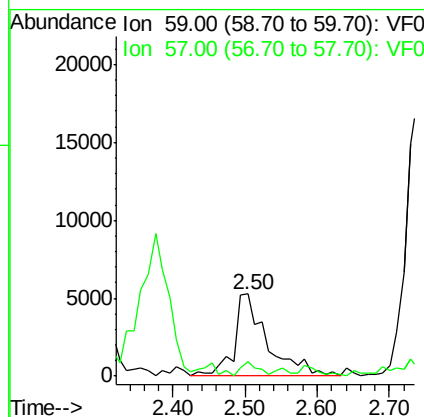
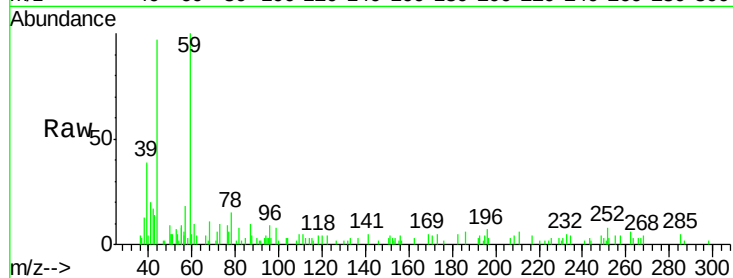




#11
Tert butyl alcohol
Concen: 127.05 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

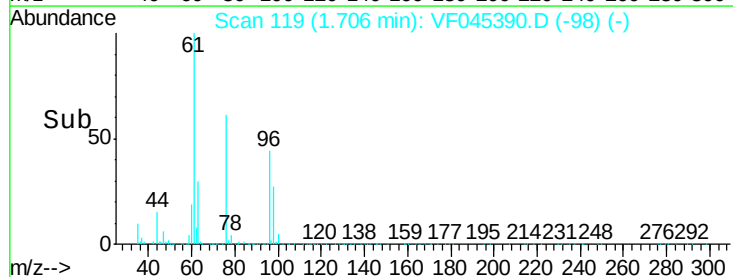
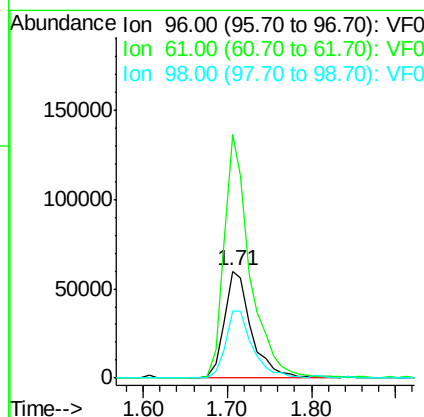
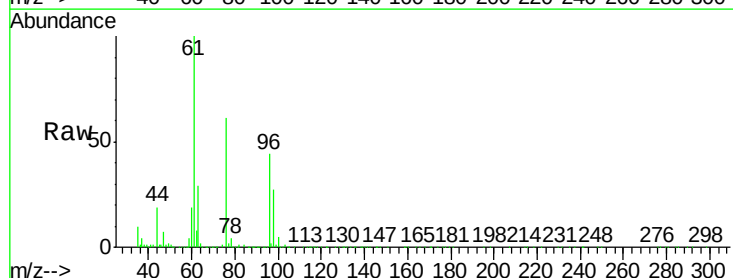
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

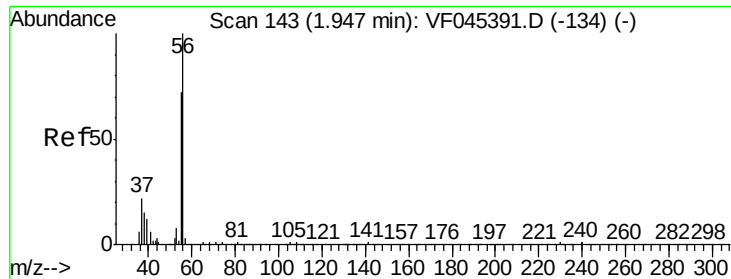
Tot Ion: 59 Resp: 16949
Ion Ratio Lower Upper
59 100
57 17.5 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 20.11 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion: 96 Resp: 134325
Ion Ratio Lower Upper
96 100
61 227.2 165.8 248.8
98 62.3 51.2 76.8

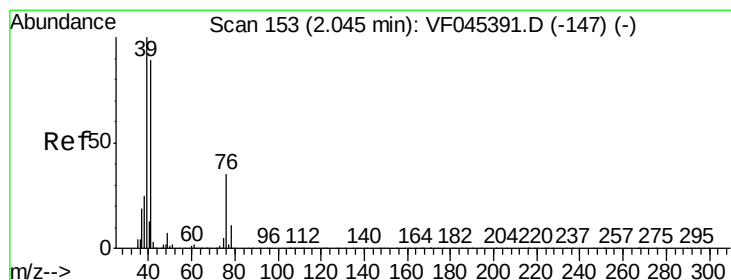
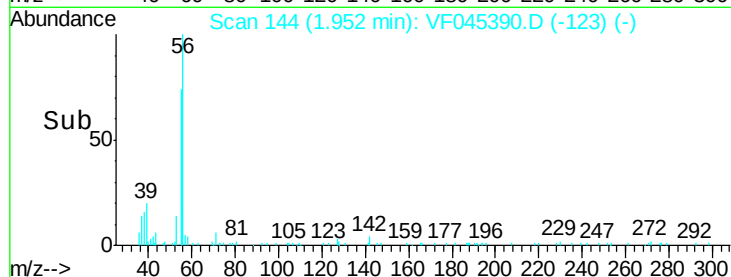
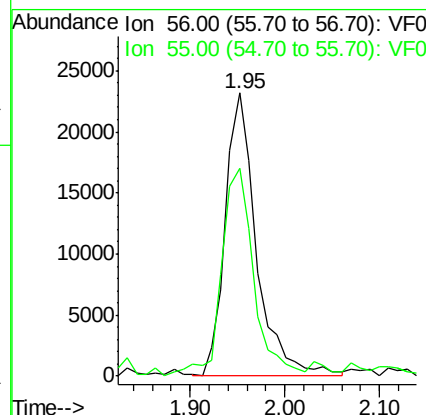
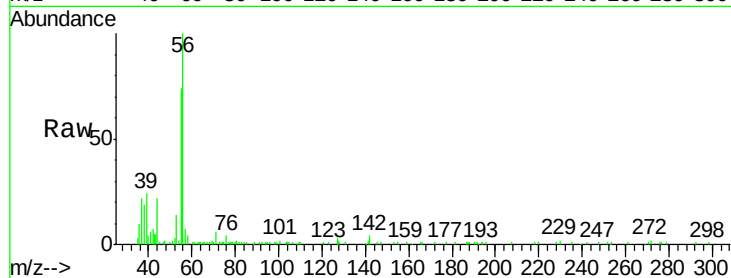




#13
Acrolein
Concen: 76.28 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.01 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

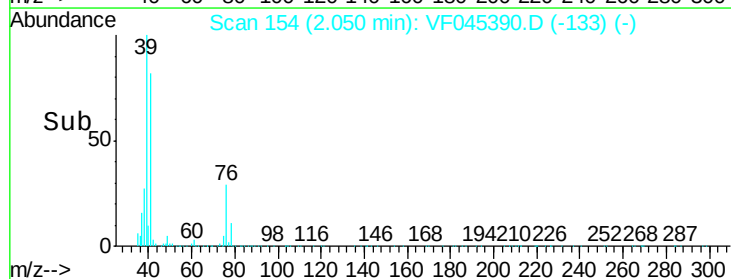
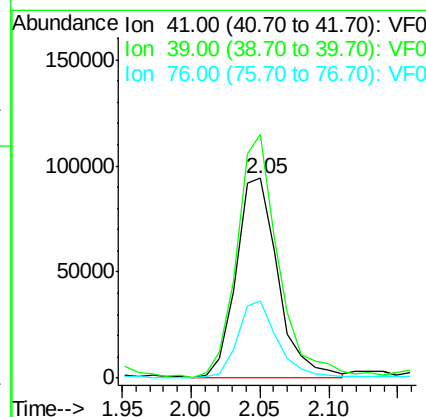
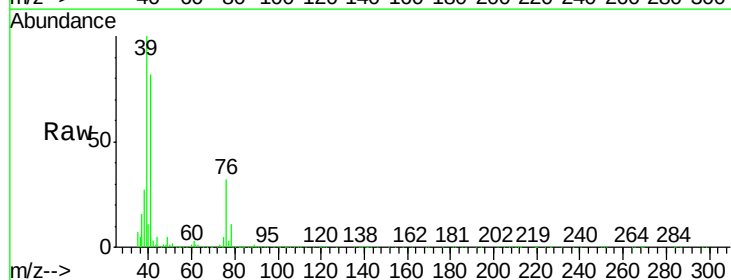
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

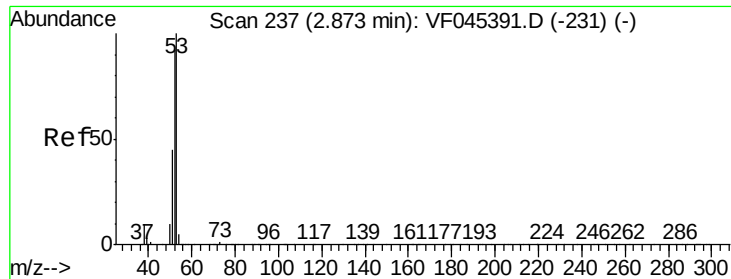
Tot Ion: 56 Resp: 53130
Ion Ratio Lower Upper
56 100
55 73.6 60.5 90.7



#14
Allyl chloride
Concen: 15.88 ug/l
RT: 2.05 min Scan# 154
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion: 41 Resp: 197944
Ion Ratio Lower Upper
41 100
39 121.7 92.8 139.2
76 38.5 27.7 41.5

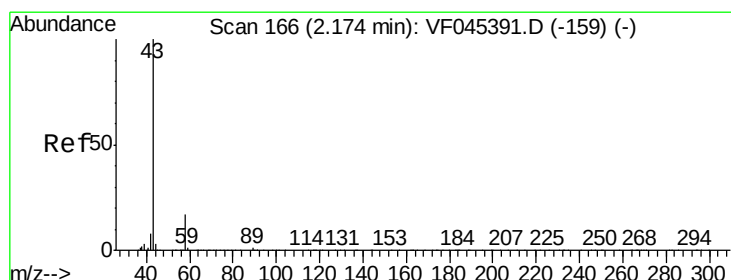
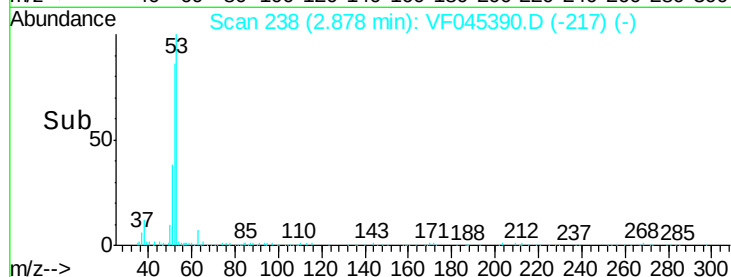
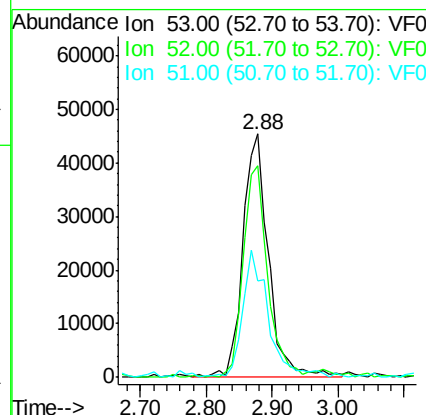
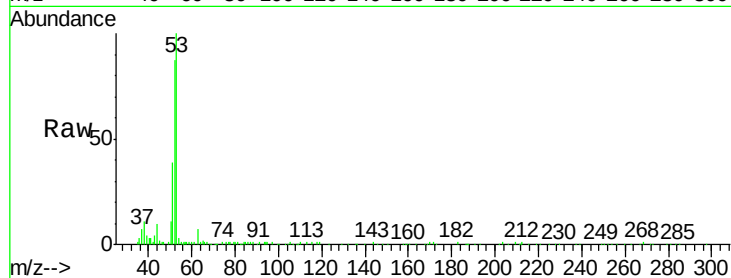




#15
 Acrylonitrile
 Concen: 77.08 ug/l
 RT: 2.88 min Scan# 238
 Delta R.T. 0.01 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

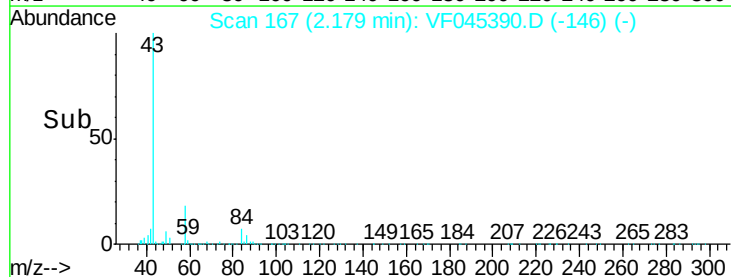
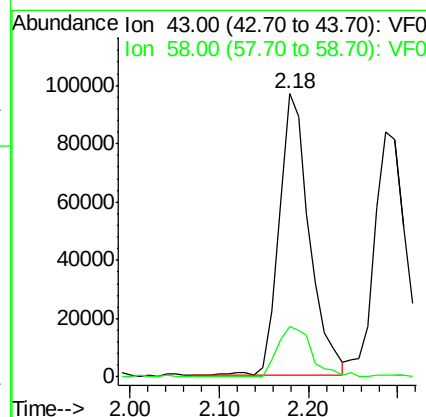
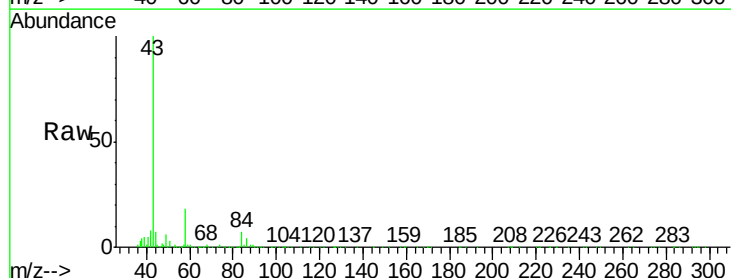
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

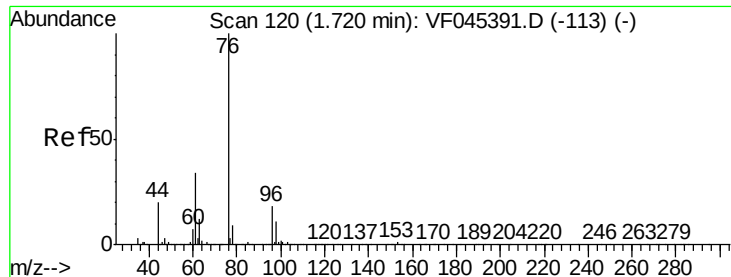
Tot Ion	53	Resp	124700
Ion Ratio	Lower	Upper	
53	100		
52	86.9	72.7	109.1
51	39.4	42.2	63.2#



#16
 Acetone
 Concen: 80.24 ug/l
 RT: 2.18 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	43	Resp	230964
Ion Ratio	Lower	Upper	
43	100		
58	17.8	13.9	20.9





#17

Carbon Disulfide

Concen: 20.26 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

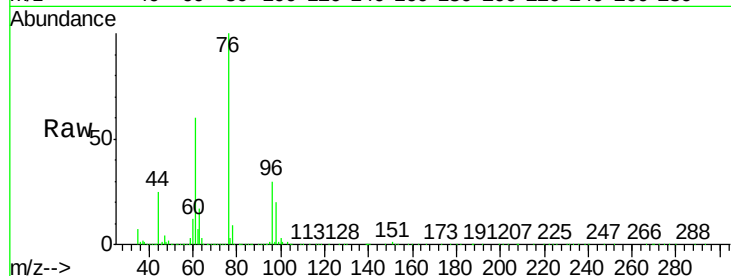
VSTDIC020

Tot Ion: 76 Resp: 449165

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

200000

150000

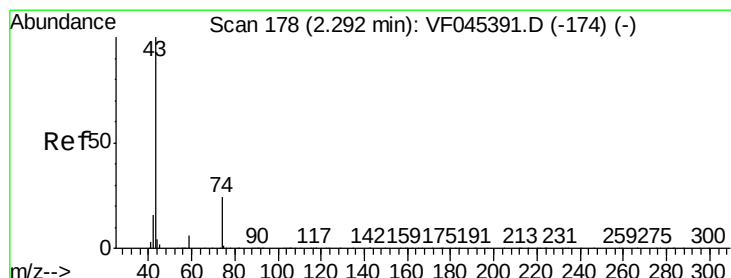
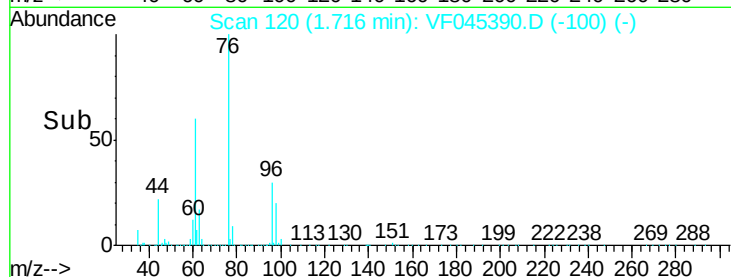
100000

50000

0

1.60 1.70 1.80 1.90

Time-->



#18

Methyl Acetate

Concen: 3.28 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.08 min

Lab File: VF045390.D

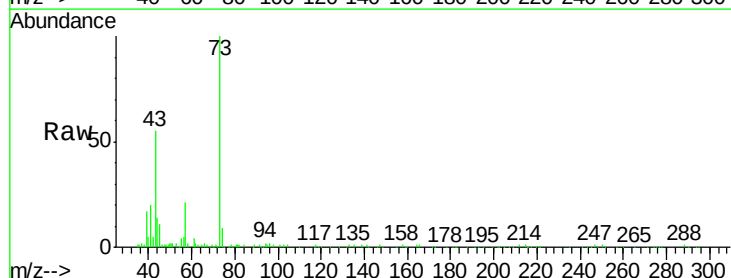
Acq: 16 Sep 2015 14:12

Tgt Ion: 43 Resp: 43363

Ion Ratio Lower Upper

43 100

74 16.0 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

80000

60000

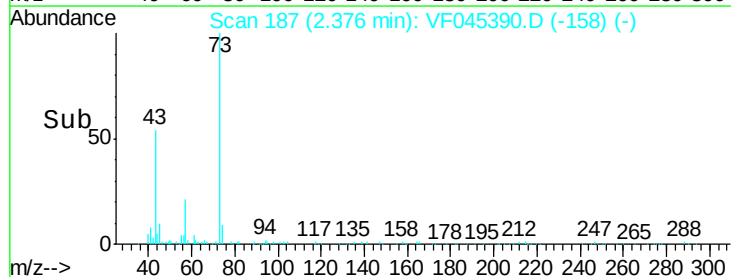
40000

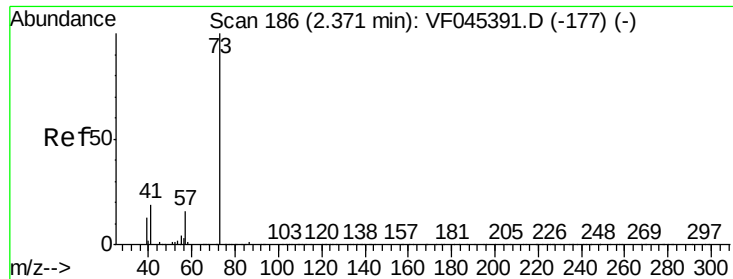
20000

0

2.30 2.35 2.40 2.45

Time-->

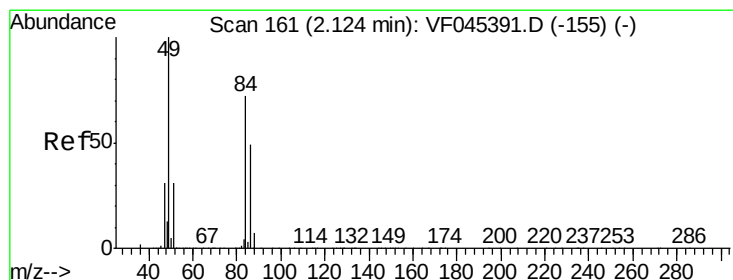
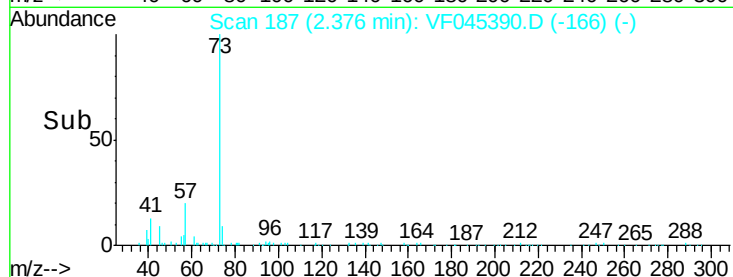
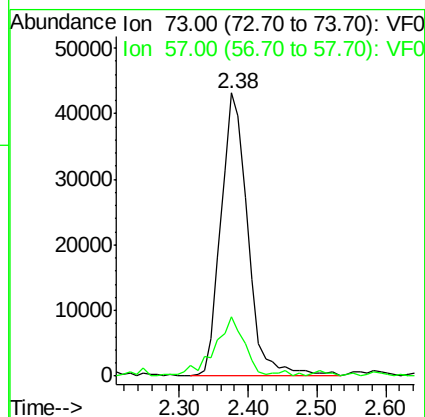
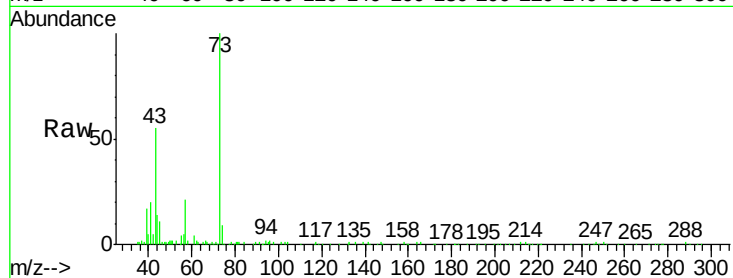




#19
Methyl tert-butyl Ether
Concen: 22.37 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

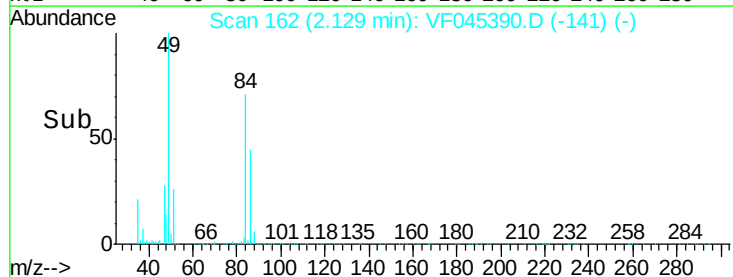
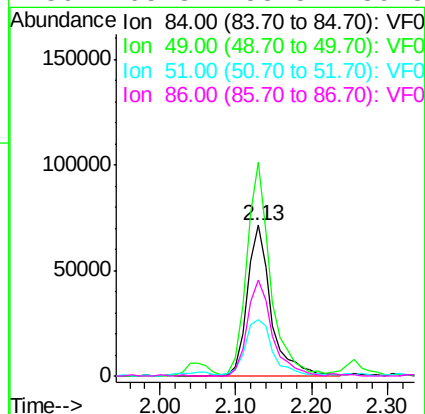
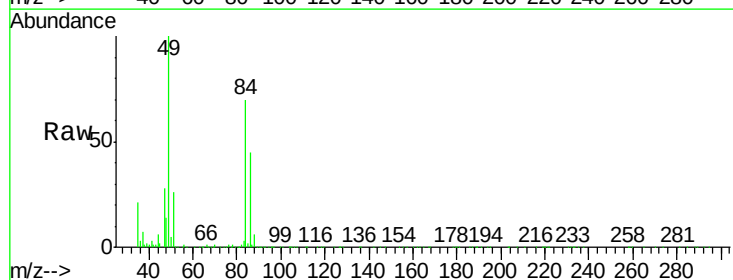
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

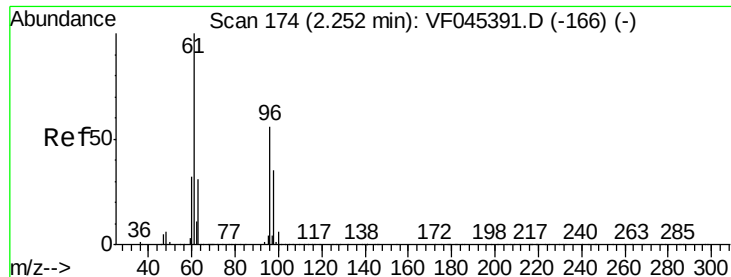
Tot Ion: 73 Resp: 116840
Ion Ratio Lower Upper
73 100
57 21.1 12.9 19.3#



#20
Methylene Chloride
Concen: 20.70 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion: 84 Resp: 156217
Ion Ratio Lower Upper
84 100
49 141.9 122.8 184.2
51 37.3 35.4 53.2
86 63.8 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 19.13 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

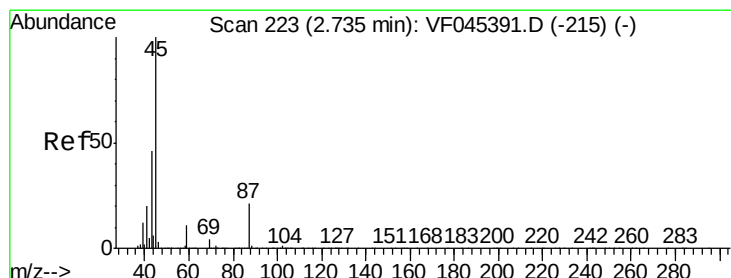
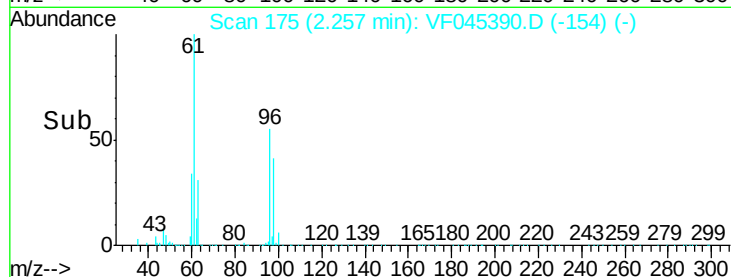
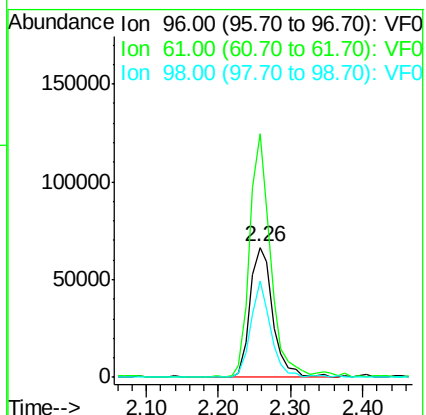
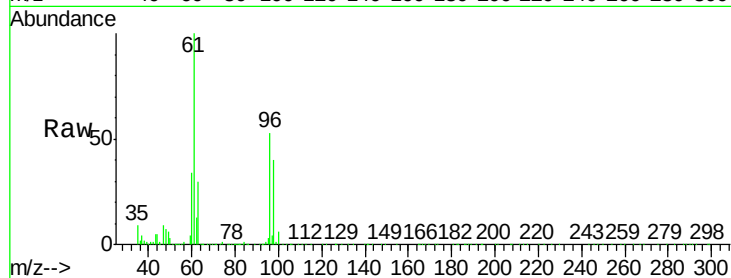
Tot Ion: 96 Resp: 148009

Ion Ratio Lower Upper

96 100

61 187.6 136.8 205.2

98 74.6 51.0 76.4



#22

Diisopropyl ether

Concen: 15.93 ug/l

RT: 2.74 min Scan# 224

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion: 45 Resp: 434566

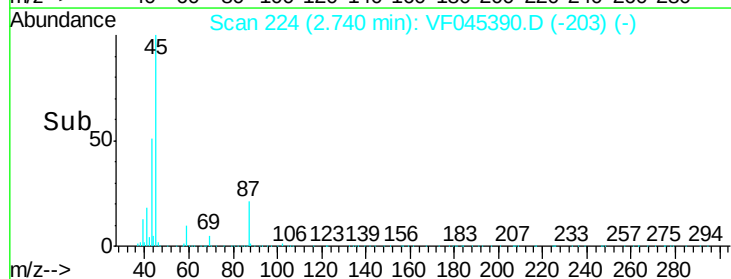
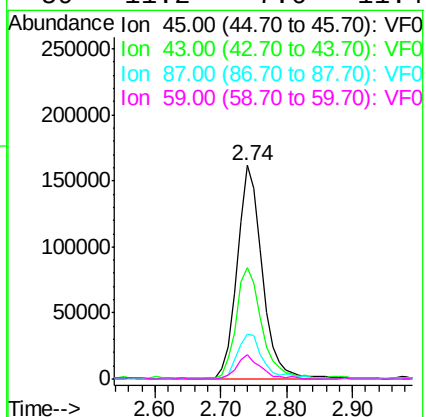
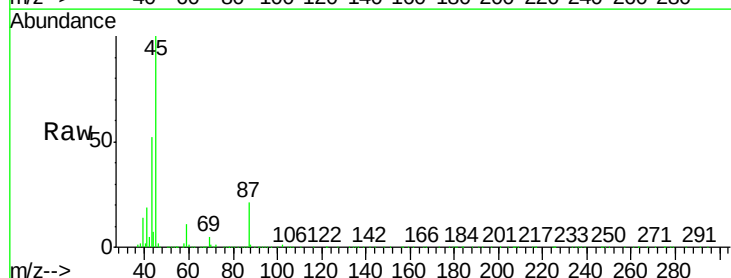
Ion Ratio Lower Upper

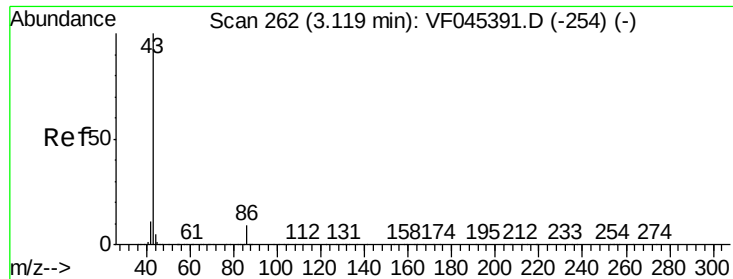
45 100

43 51.9 42.2 63.4

87 21.2 16.6 25.0

59 11.2 7.6 11.4





#23

Vinyl Acetate

Concen: 75.93 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

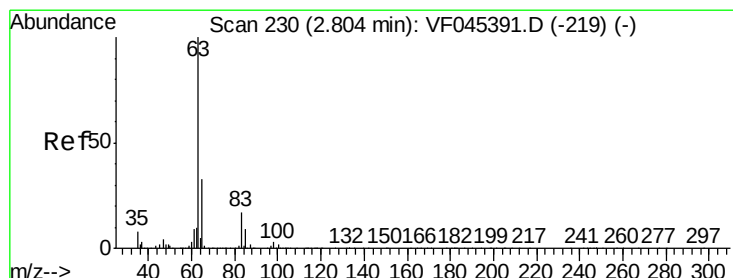
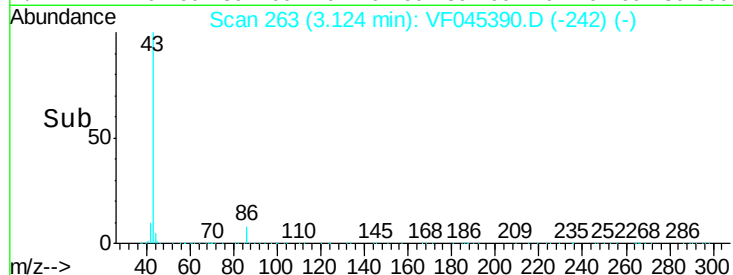
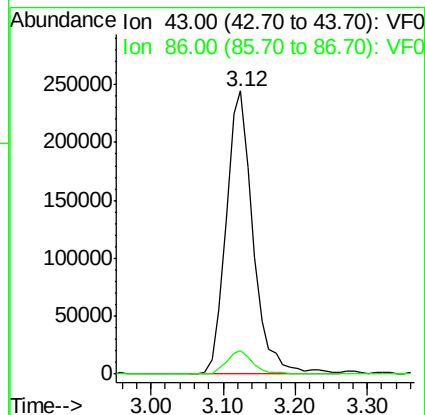
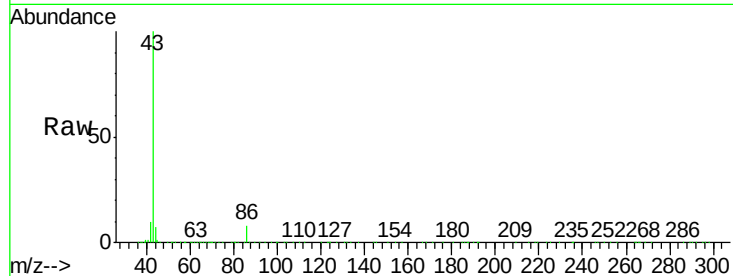
VSTDIC020

Tot Ion: 43 Resp: 631975

Ion Ratio Lower Upper

43 100

86 8.1 6.3 9.5



#24

1,1-Dichloroethane

Concen: 18.00 ug/l

RT: 2.81 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

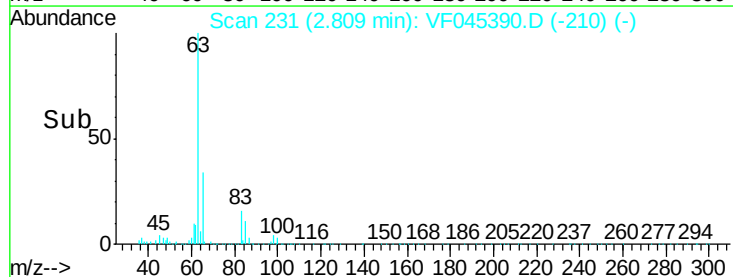
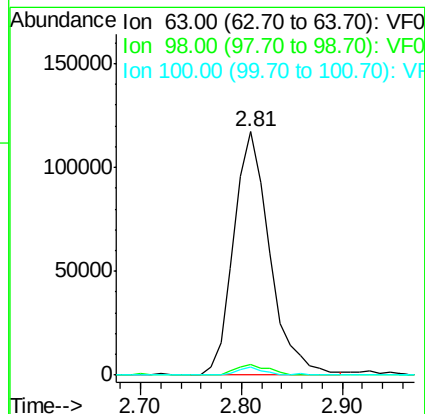
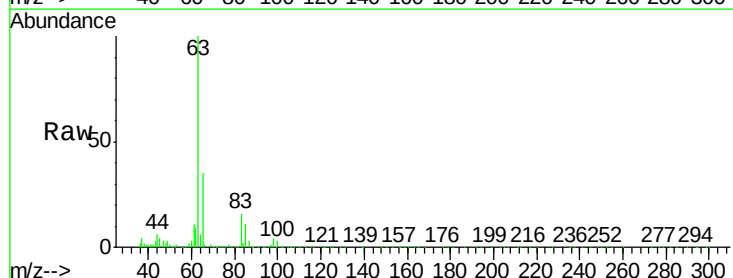
Tgt Ion: 63 Resp: 292368

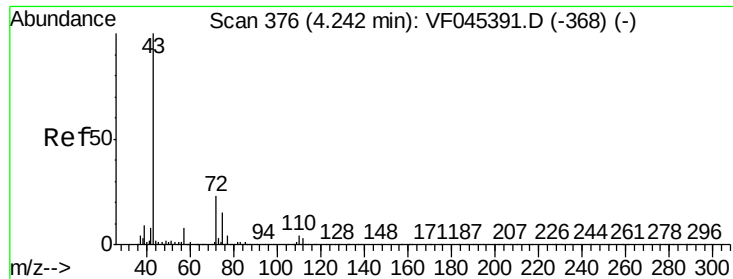
Ion Ratio Lower Upper

63 100

98 4.2 2.2 6.6

100 3.3 1.1 3.5





#25

2-Butanone

Concen: 72.24 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

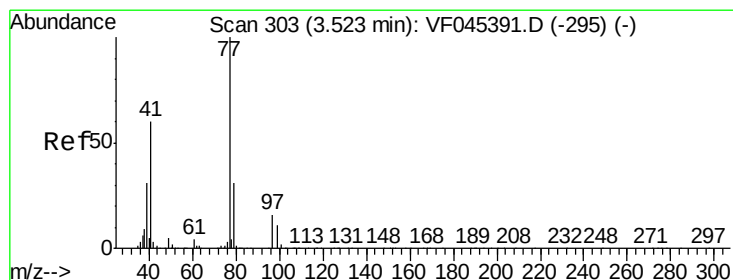
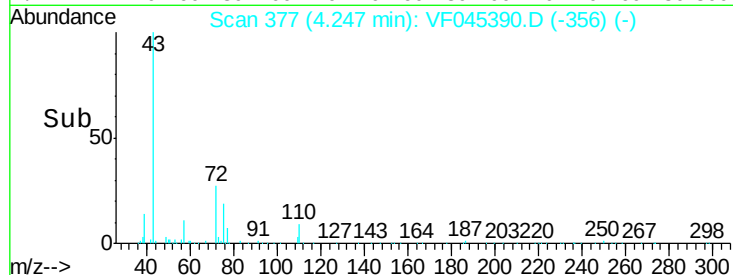
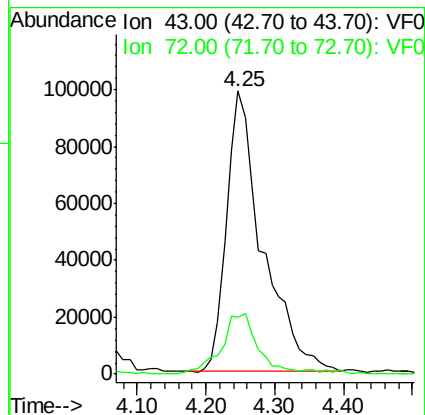
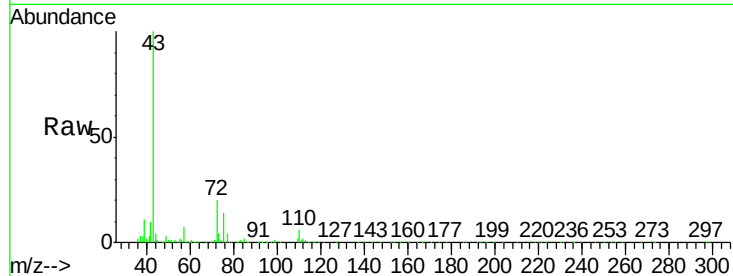
VSTDIC020

Tot Ion: 43 Resp: 356619

Ion Ratio Lower Upper

43 100

72 20.0 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 20.73 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF045390.D

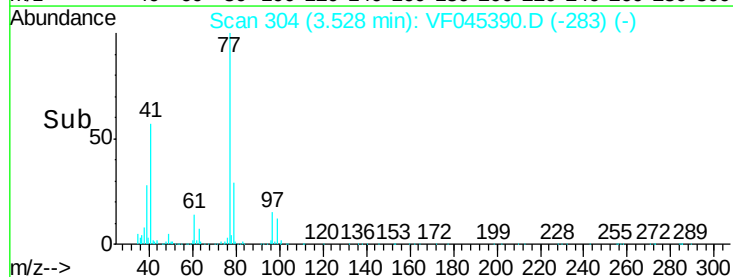
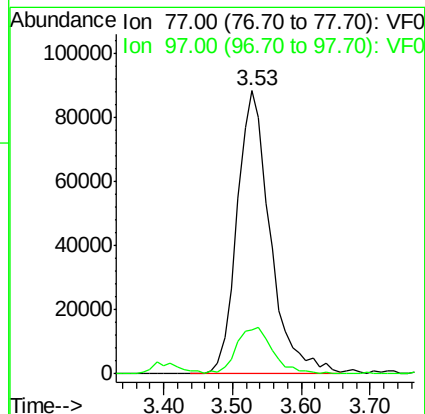
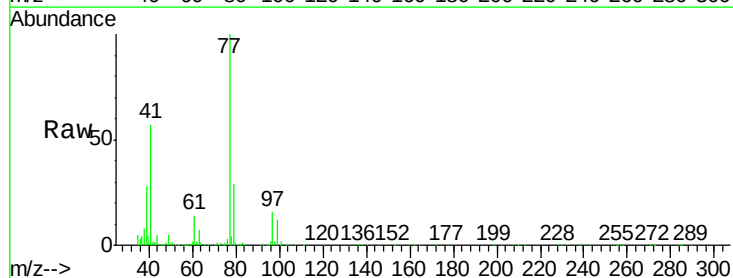
Acq: 16 Sep 2015 14:12

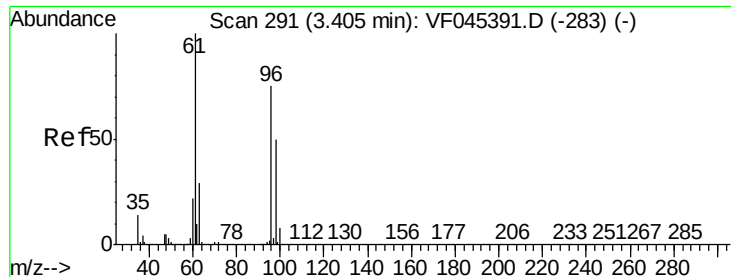
Tgt Ion: 77 Resp: 292715

Ion Ratio Lower Upper

77 100

97 15.6 9.2 27.4



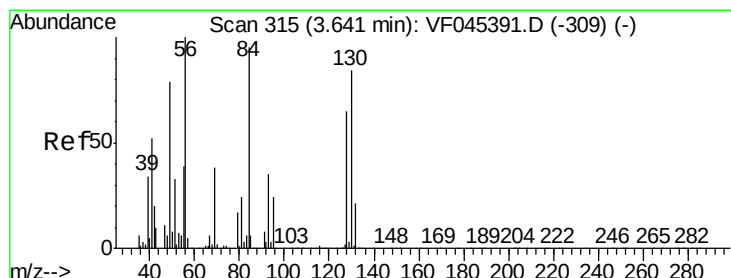
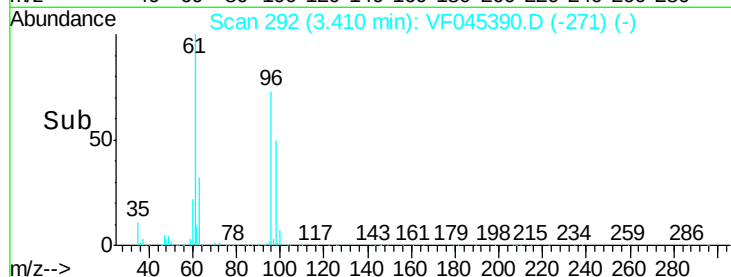
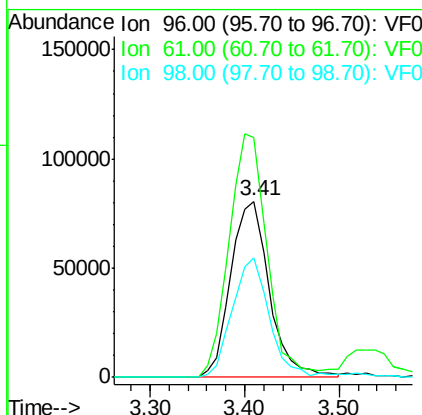
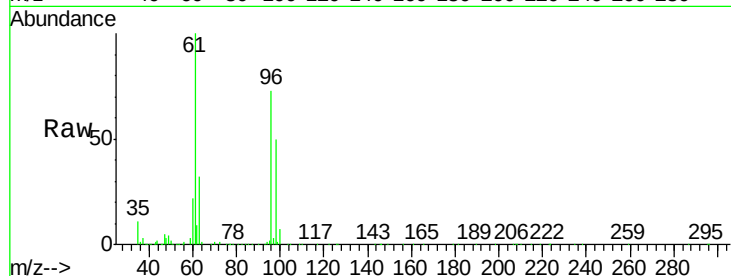


#27

cis-1,2-Dichloroethene
 Concen: 18.69 ug/l
 RT: 3.41 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

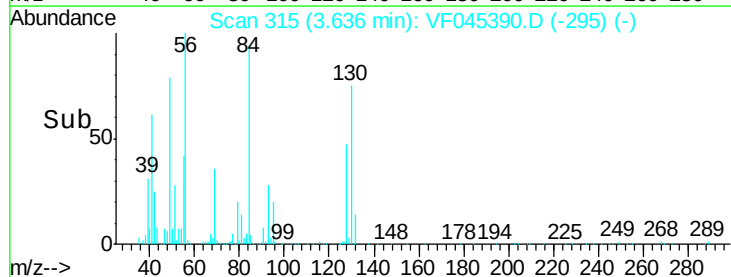
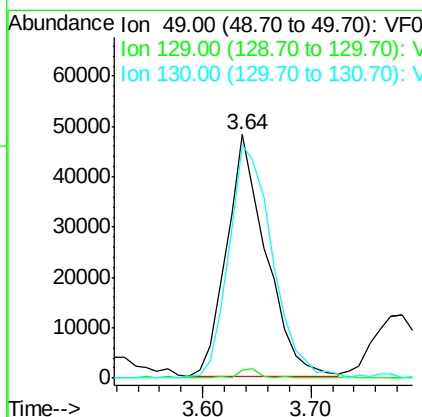
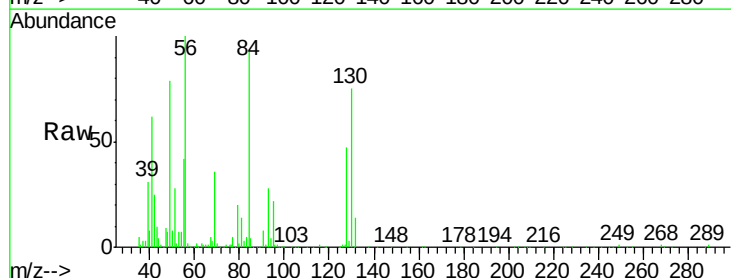
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	136.4	0.0	268.6	
98	68.0	0.0	135.8	

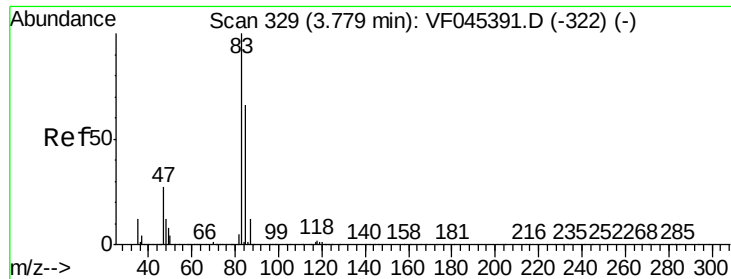


#28

Bromochloromethane
 Concen: 14.39 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ion	Ratio	Lower	Upper
49	100			
129	3.6	0.0	0.0#	
130	95.7	79.6	119.4	





#29

Chloroform

Concen: 19.47 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

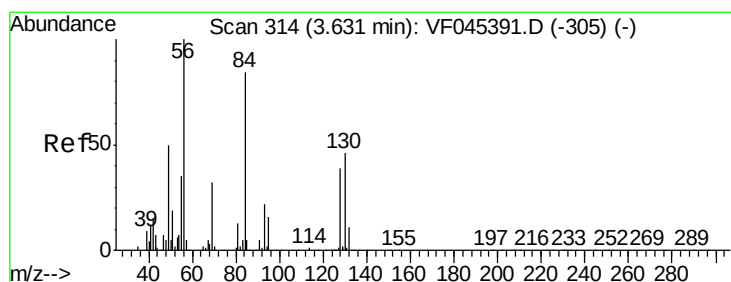
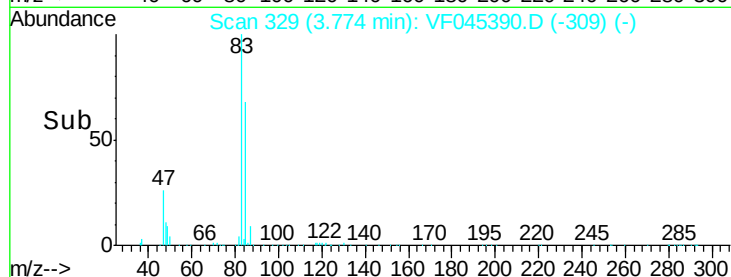
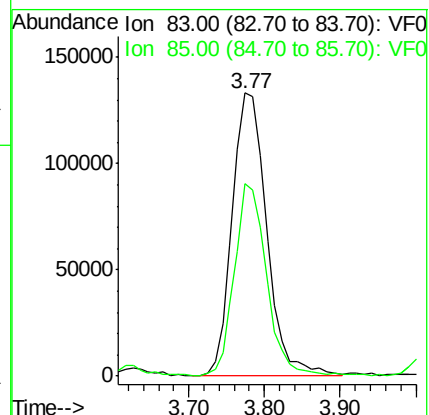
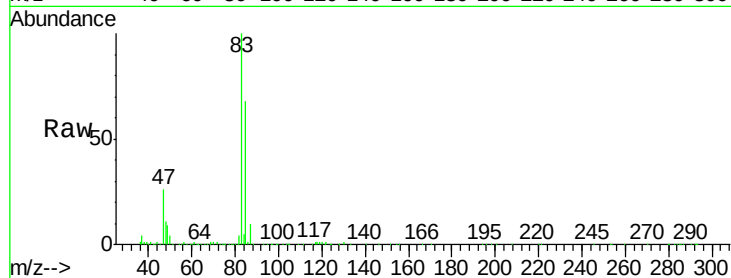
VSTDIC020

Tot Ion: 83 Resp: 419381

Ion Ratio Lower Upper

83 100

85 68.1 51.6 77.4



#30

Cyclohexane

Concen: 15.39 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

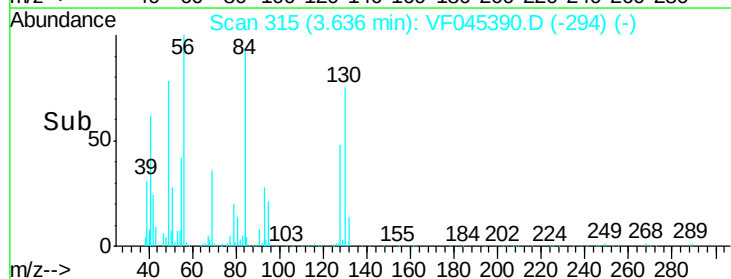
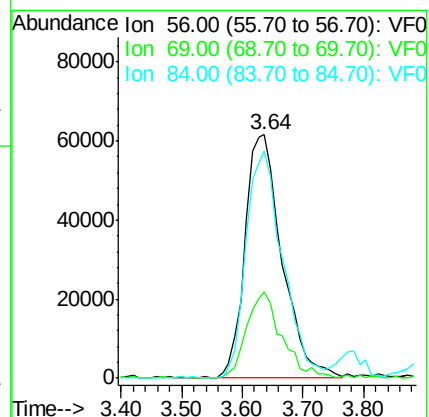
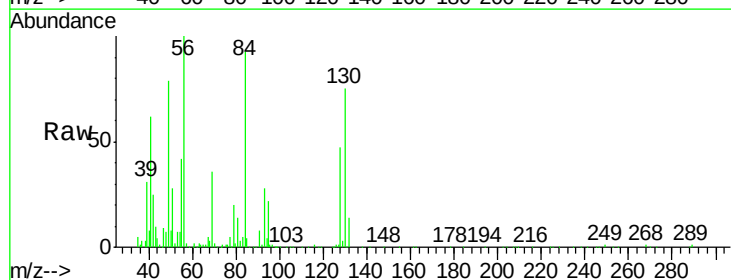
Tgt Ion: 56 Resp: 261315

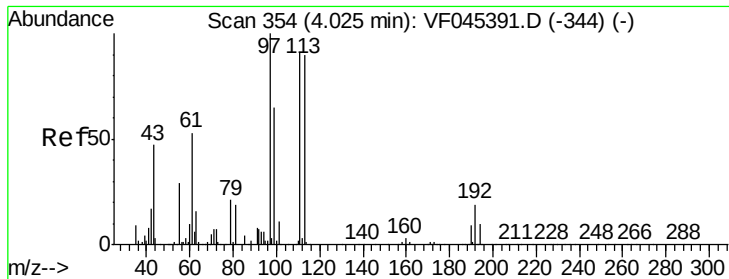
Ion Ratio Lower Upper

56 100

69 35.5 26.1 39.1

84 93.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 20.36 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

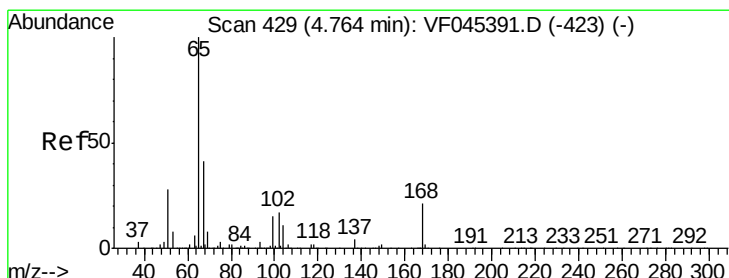
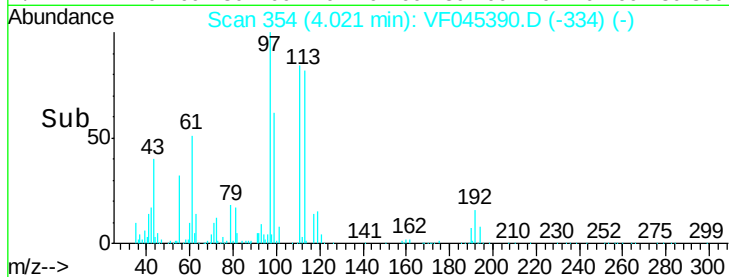
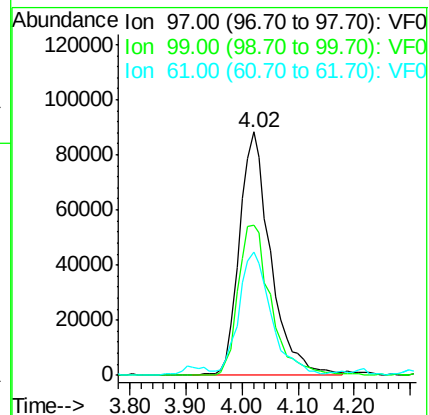
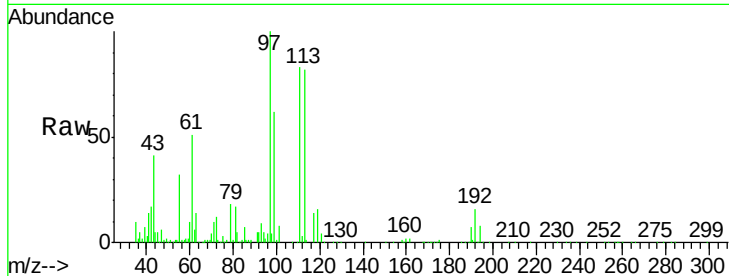
Tot Ion: 97 Resp: 339849

Ion Ratio Lower Upper

97 100

99 61.8 51.1 76.7

61 50.5 37.8 56.6



#32

1,2-Dichloroethane-d4

Concen: 19.34 ug/l

RT: 4.77 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF045390.D

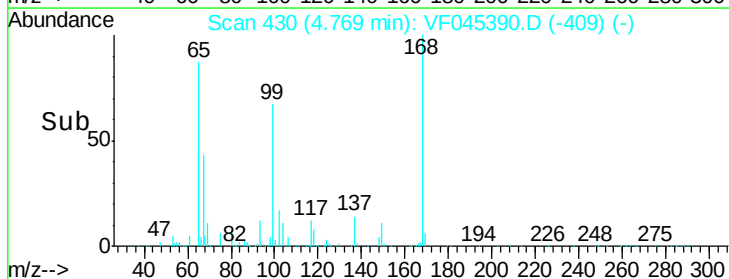
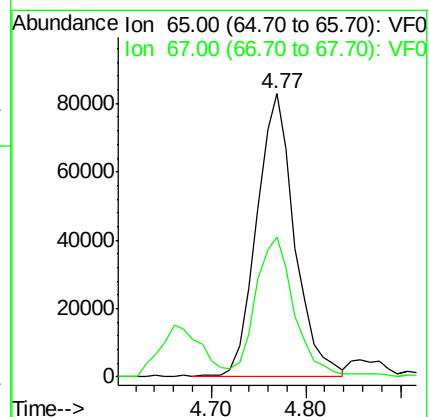
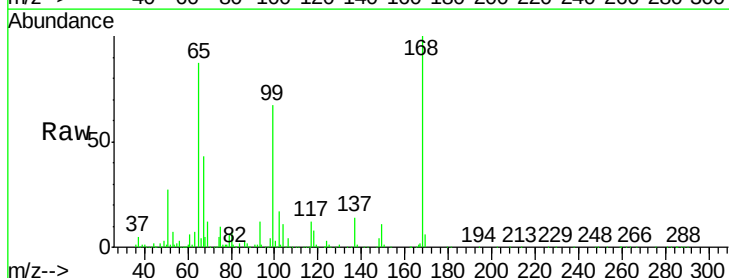
Acq: 16 Sep 2015 14:12

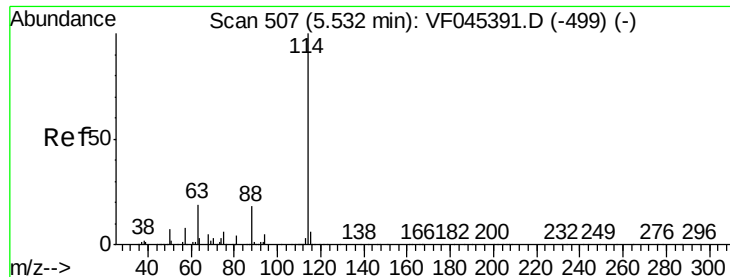
Tgt Ion: 65 Resp: 227707

Ion Ratio Lower Upper

65 100

67 49.5 0.0 102.2

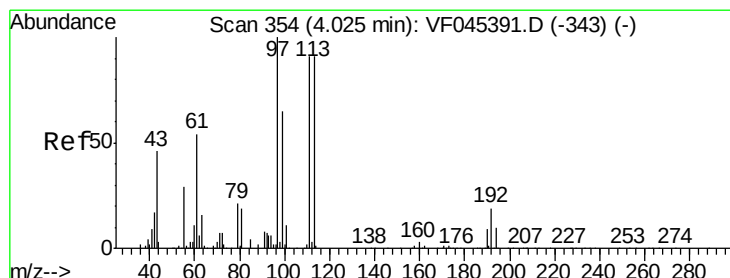
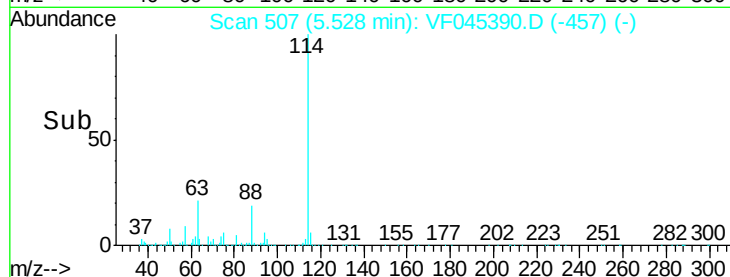
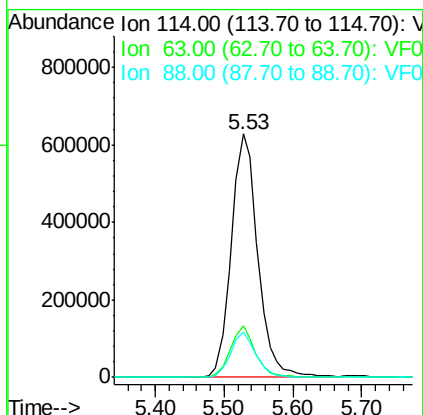
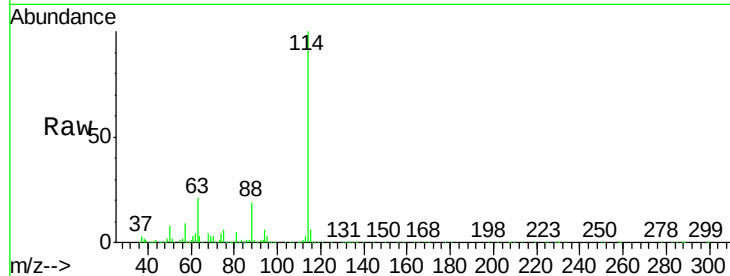




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

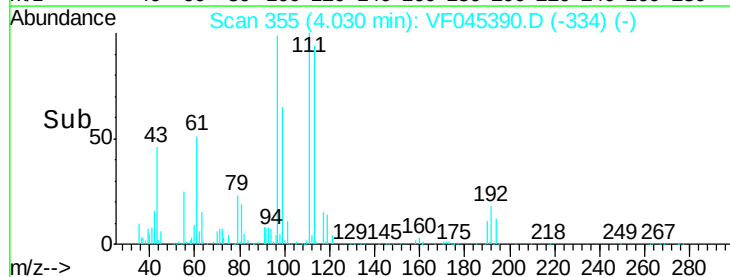
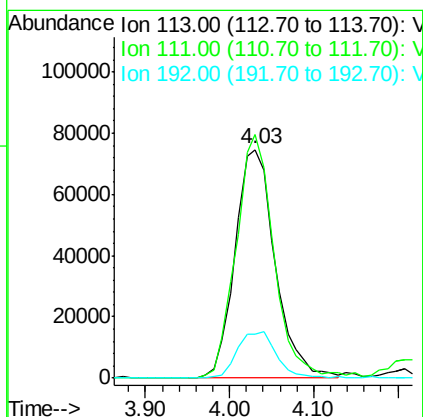
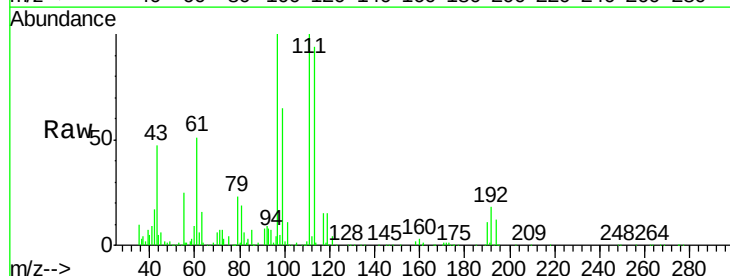
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

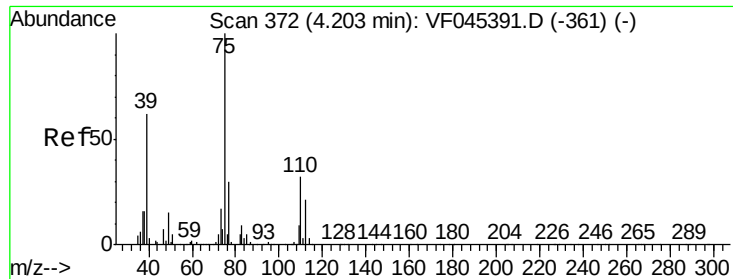
Tot Ion:114 Resp: 1675865
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.2
 88 18.8 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 19.38 ug/l
 RT: 4.03 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion:113 Resp: 248900
 Ion Ratio Lower Upper
 113 100
 111 106.4 75.5 113.3
 192 19.2 15.6 23.4





#35

1,1-Dichloropropene

Concen: 19.33 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

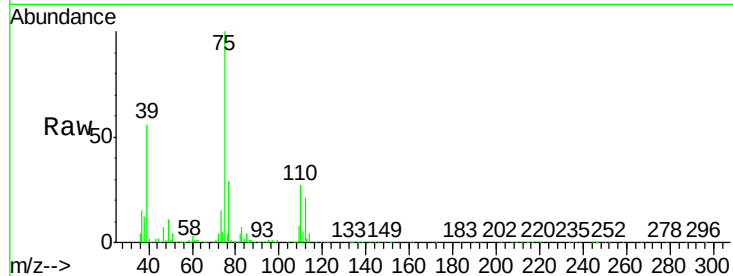
Tot Ion: 75 Resp: 308374

Ion Ratio Lower Upper

75 100

110 27.3 15.9 47.6

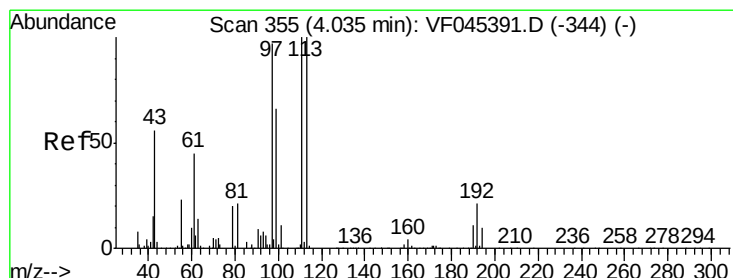
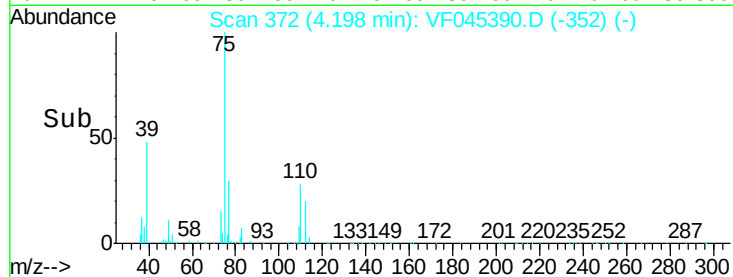
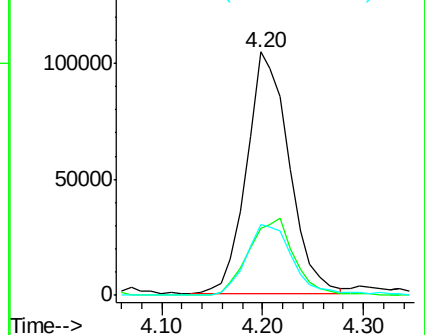
77 29.0 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#36

Ethyl Acetate

Concen: 15.02 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

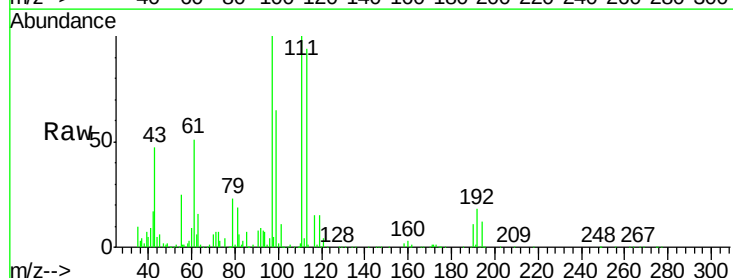
Tgt Ion: 43 Resp: 143897

Ion Ratio Lower Upper

43 100

61 108.6 49.4 74.0#

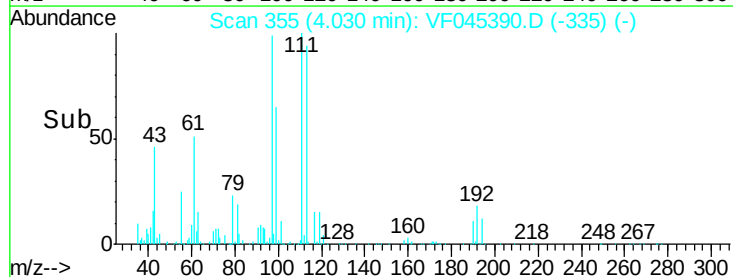
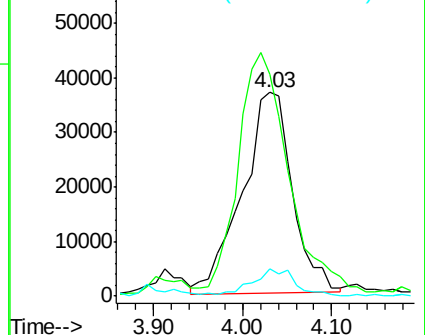
70 13.4 10.8 16.2

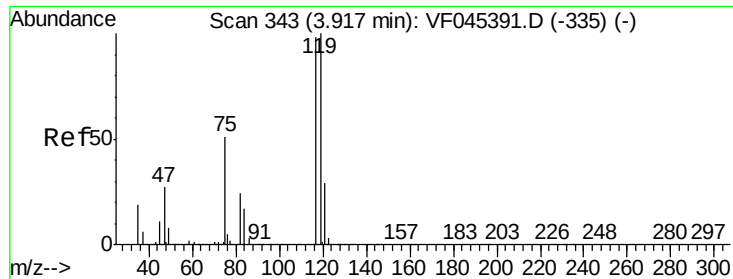


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#37

Carbon Tetrachloride

Concen: 22.33 ug/l

RT: 3.91 min Scan# 343

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

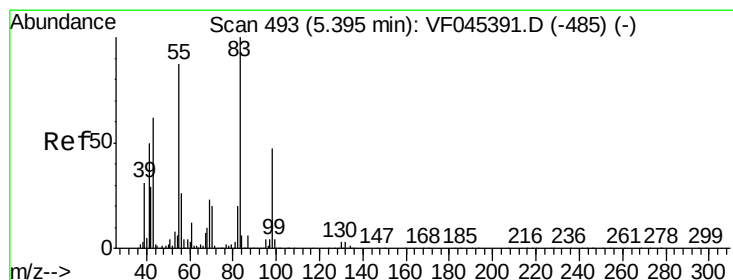
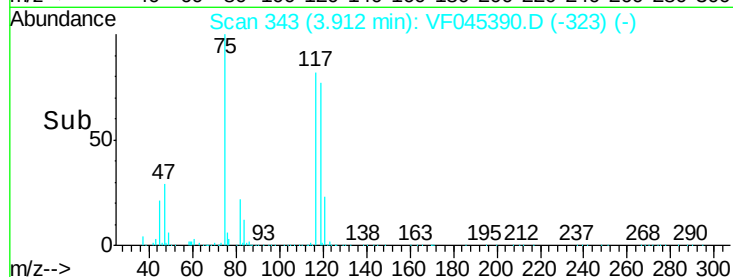
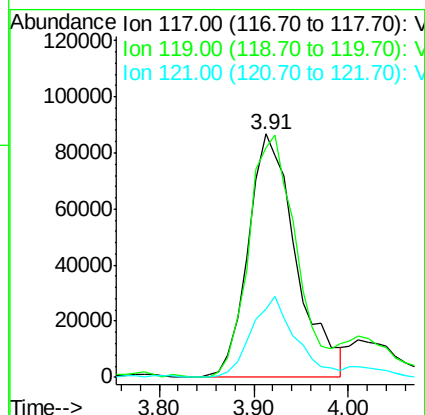
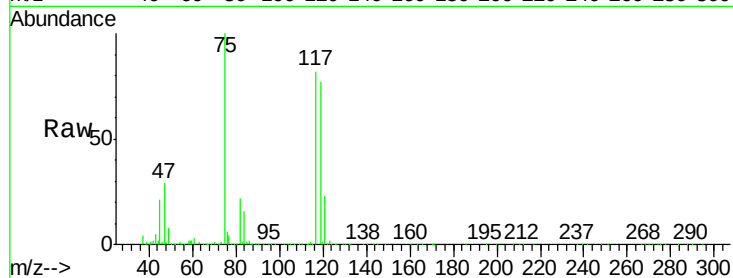
Tot Ion:117 Resp: 306092

Ion Ratio Lower Upper

117 100

119 94.2 77.8 116.8

121 28.2 25.4 38.0



#38

Methylcyclohexane

Concen: 19.58 ug/l

RT: 5.39 min Scan# 493

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

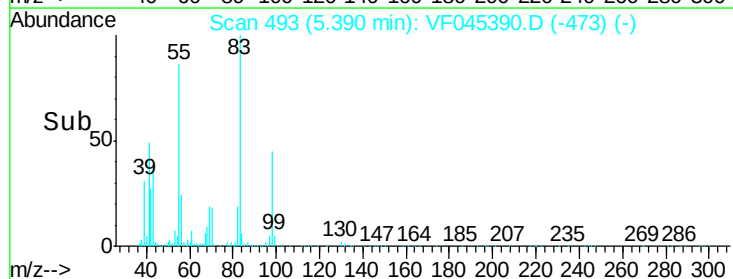
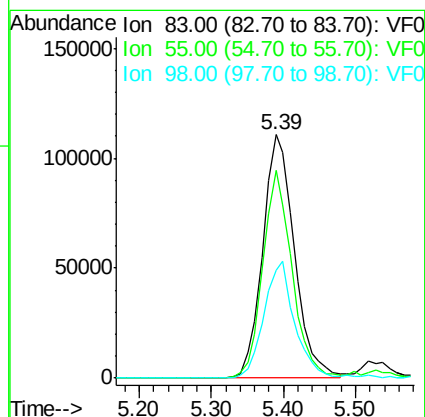
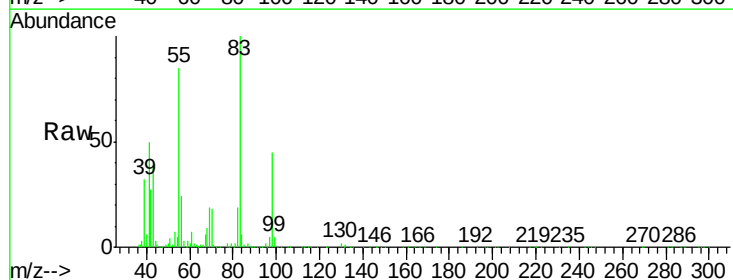
Tgt Ion: 83 Resp: 337360

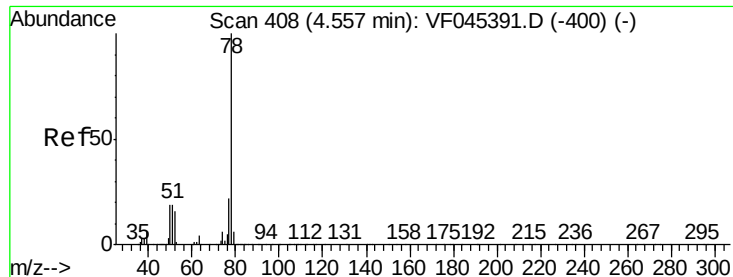
Ion Ratio Lower Upper

83 100

55 85.4 60.5 90.7

98 44.5 38.1 57.1





#39

Benzene

Concen: 18.25 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

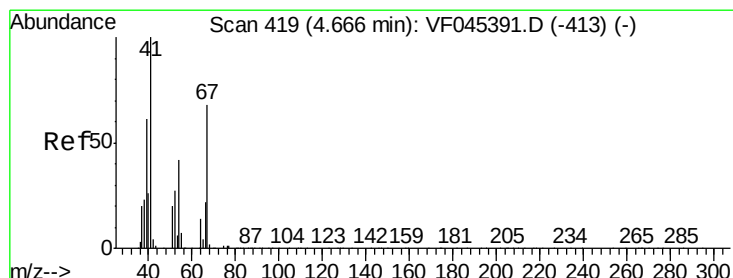
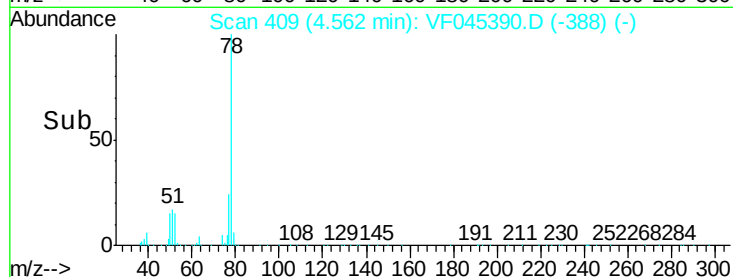
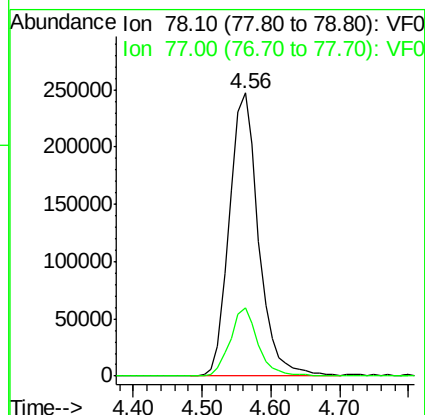
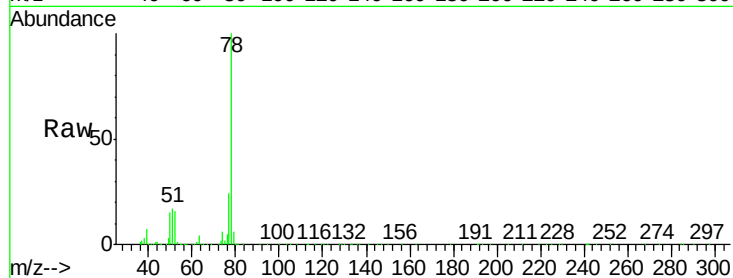
VSTDIC020

Tot Ion: 78 Resp: 729984

Ion Ratio Lower Upper

78 100

77 24.0 18.6 28.0



#40

Methacrylonitrile

Concen: 15.59 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion: 41 Resp: 70740

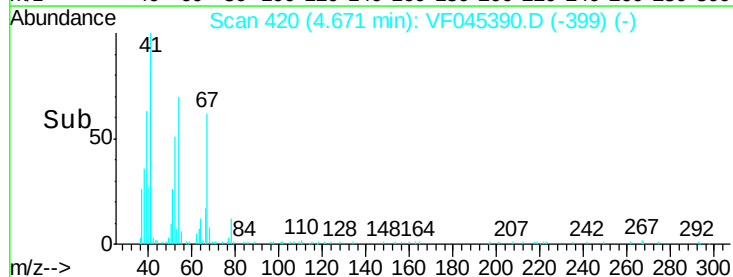
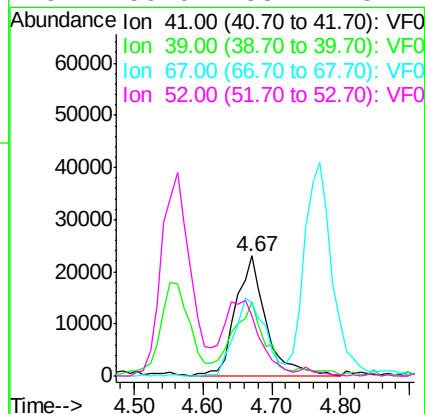
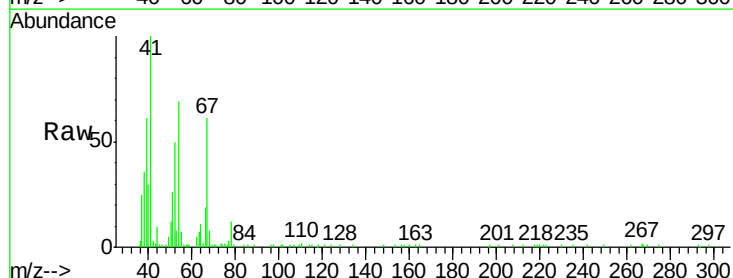
Ion Ratio Lower Upper

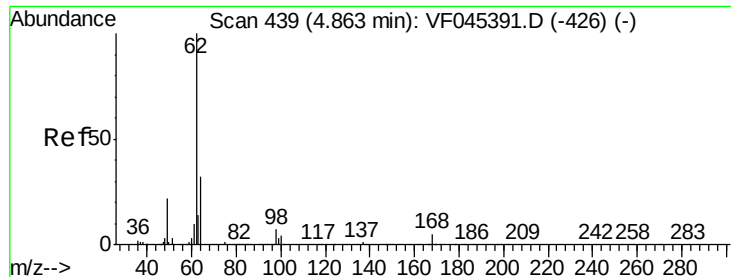
41 100

39 61.5 44.9 67.3

67 61.2 49.0 73.4

52 50.0 38.2 57.2





#41

1,2-Dichloroethane

Concen: 21.22 ug/l

RT: 4.87 min Scan# 440

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

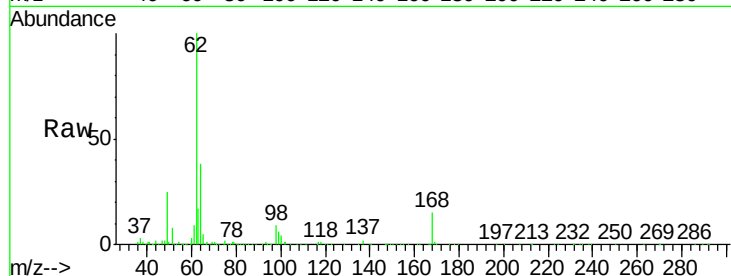
VSTDIC020

Tot Ion: 62 Resp: 285087

Ion Ratio Lower Upper

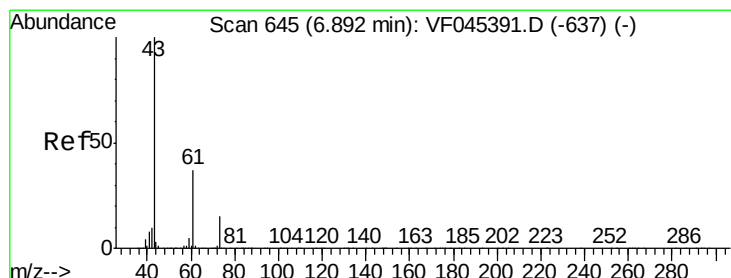
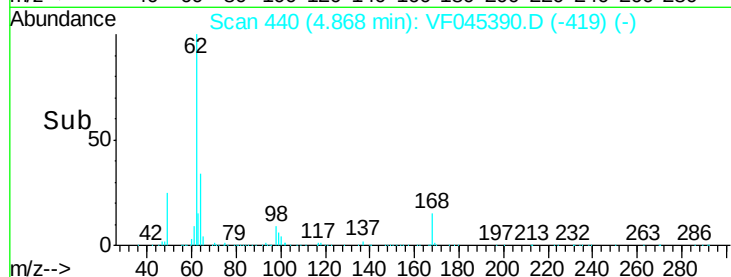
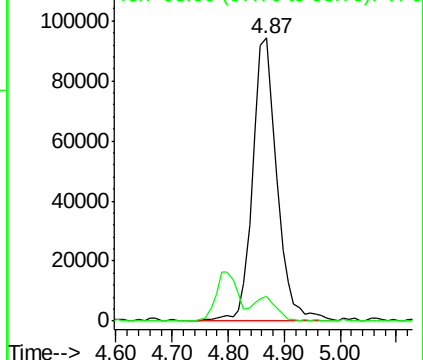
62 100

98 8.5 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#42

Isopropyl Acetate

Concen: 15.84 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

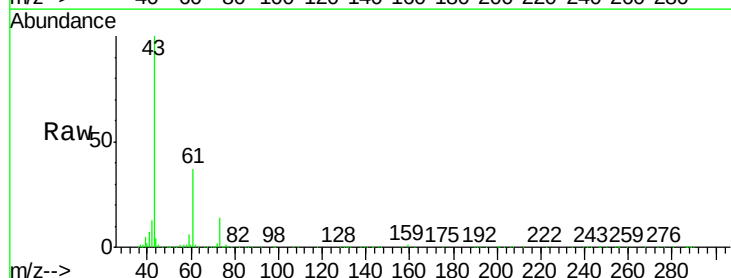
Tgt Ion: 43 Resp: 205244

Ion Ratio Lower Upper

43 100

61 36.7 29.8 44.6

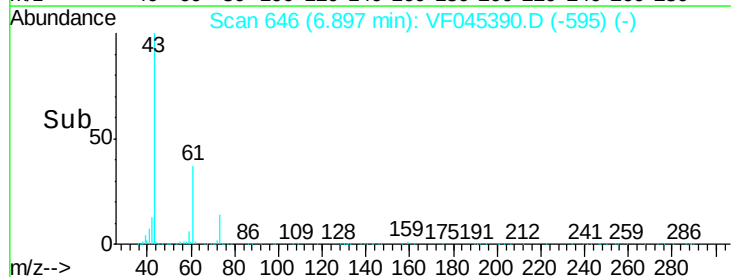
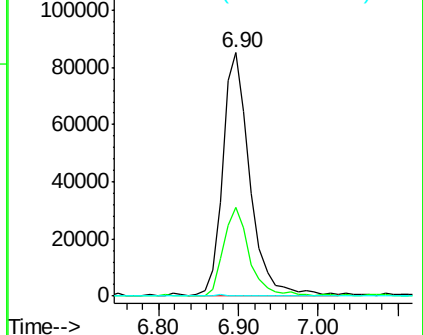
87 0.0 0.2 0.2#

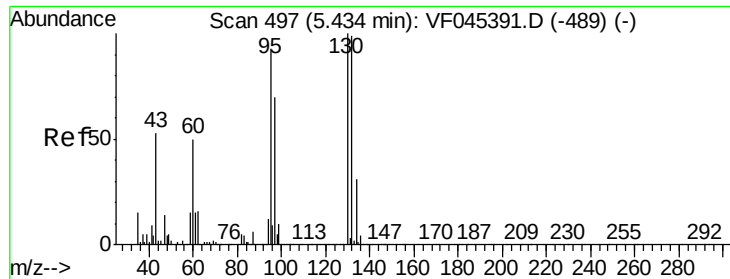


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#43

Trichloroethene

Concen: 22.68 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

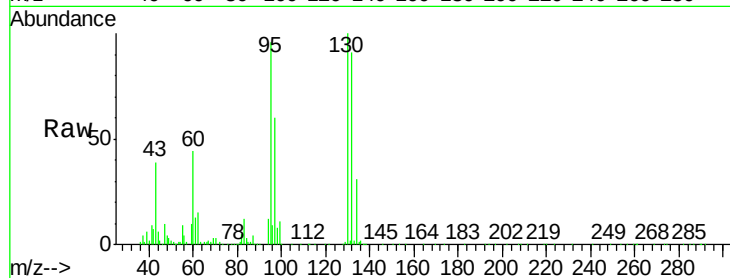
VSTDIC020

Tot Ion:130 Resp: 260523

Ion Ratio Lower Upper

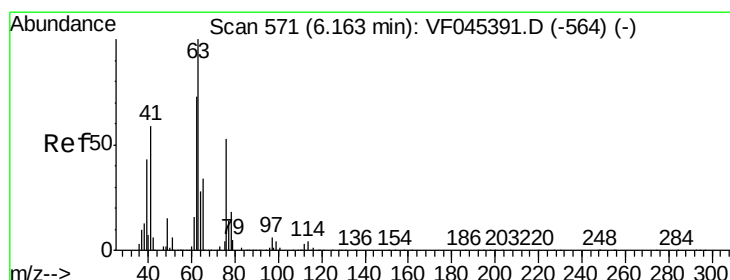
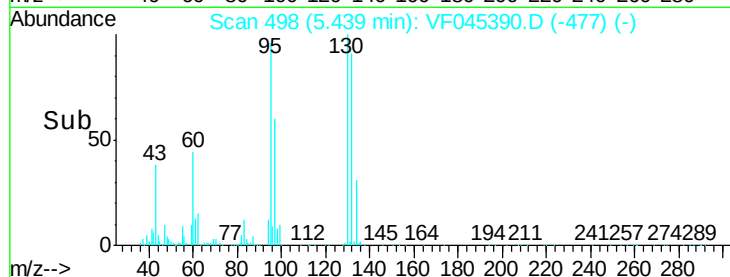
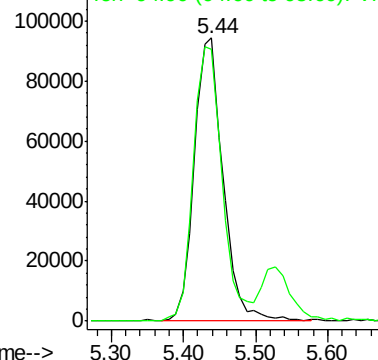
130 100

95 96.2 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#44

1,2-Dichloropropane

Concen: 18.29 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045390.D

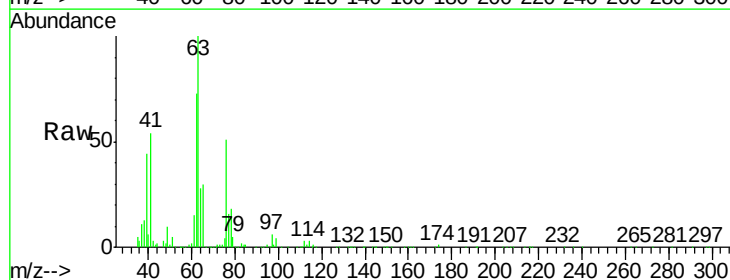
Acq: 16 Sep 2015 14:12

Tgt Ion: 63 Resp: 220241

Ion Ratio Lower Upper

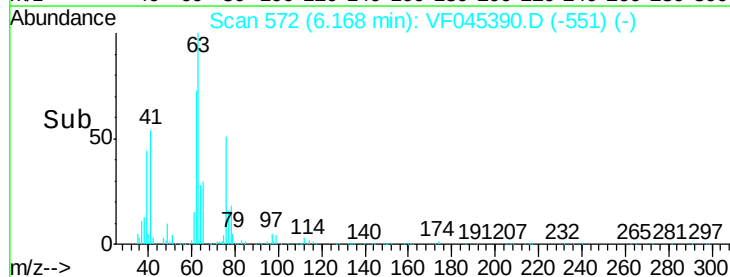
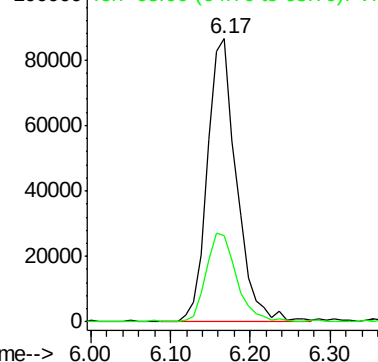
63 100

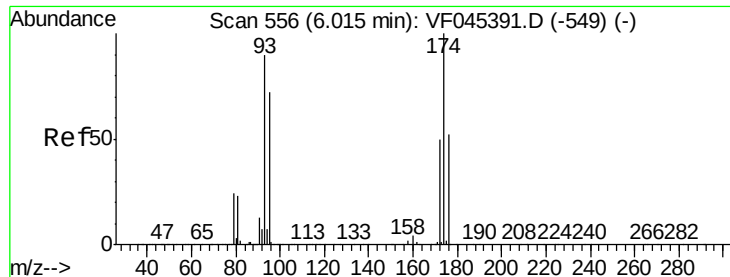
65 30.5 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#45

Dibromomethane

Concen: 20.15 ug/l

RT: 6.01 min Scan# 556

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

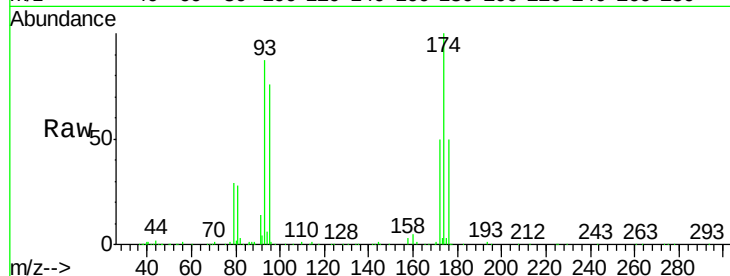
Tot Ion: 93 Resp: 150894

Ion Ratio Lower Upper

93 100

95 87.0 69.8 104.6

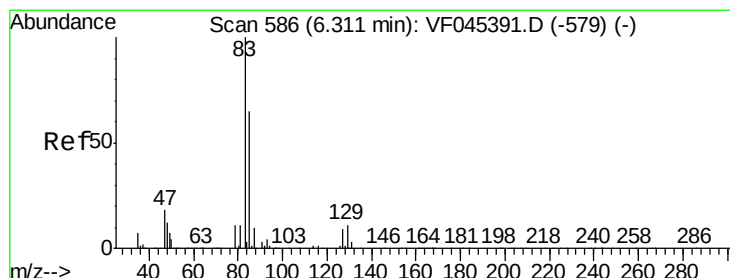
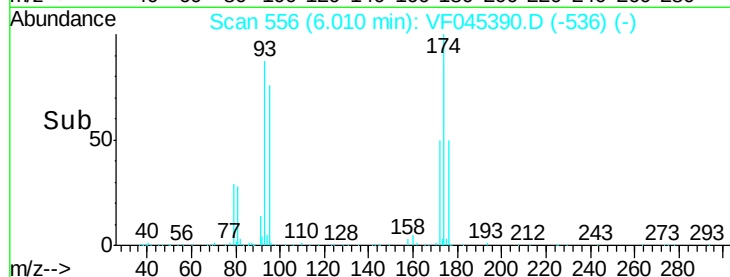
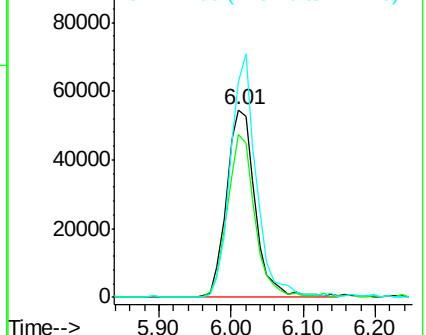
174 114.7 90.5 135.7



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#46

Bromodichloromethane

Concen: 21.24 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

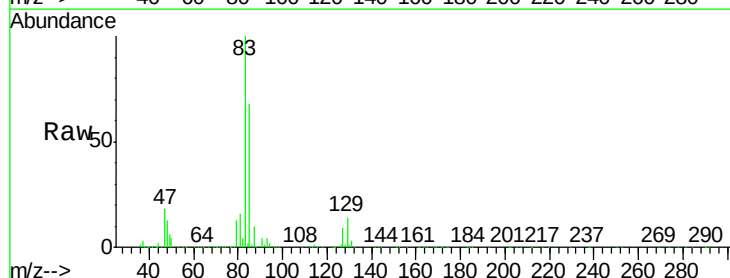
Tgt Ion: 83 Resp: 336789

Ion Ratio Lower Upper

83 100

85 67.7 50.6 75.8

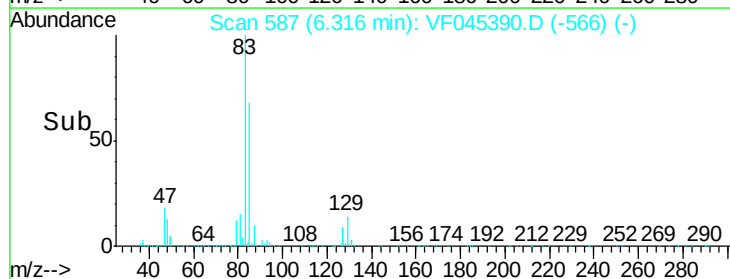
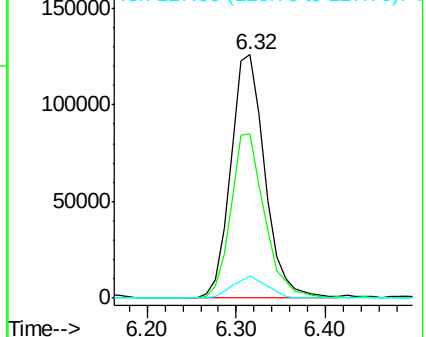
127 8.9 7.7 11.5

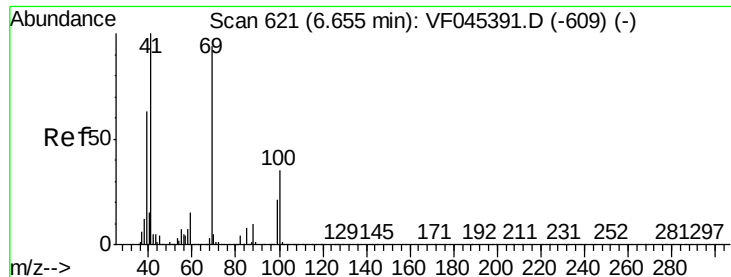


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V





#47

Methvl methacrylate

Concen: 16.99 ug/l

RT: 6.65 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

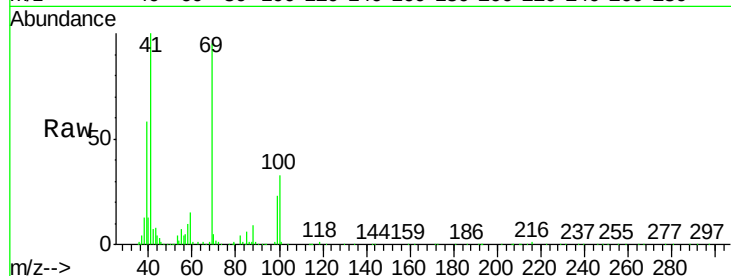
Tot Ion: 41 Resp: 128352

Ion Ratio Lower Upper

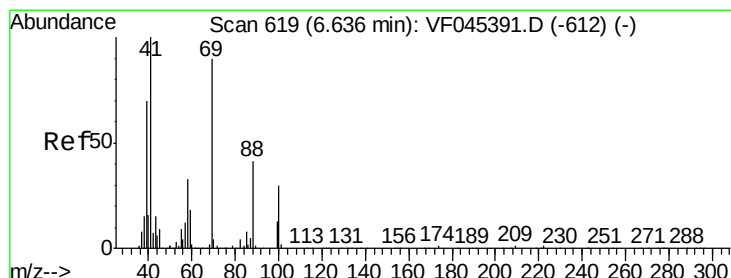
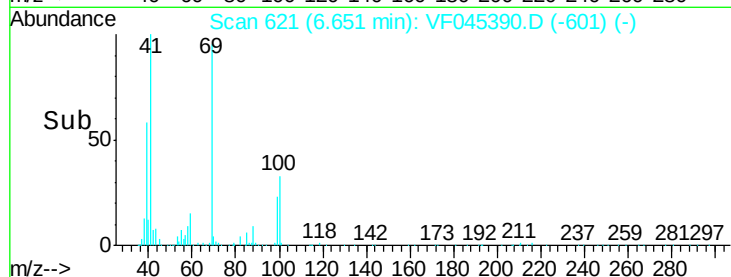
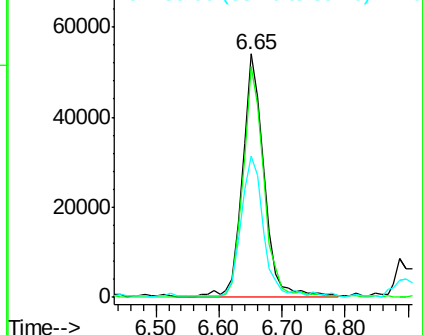
41 100

69 94.7 63.3 94.9

39 57.8 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



#48

1,4-Dioxane

Concen: 352.29 ug/l

RT: 6.64 min Scan# 620

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

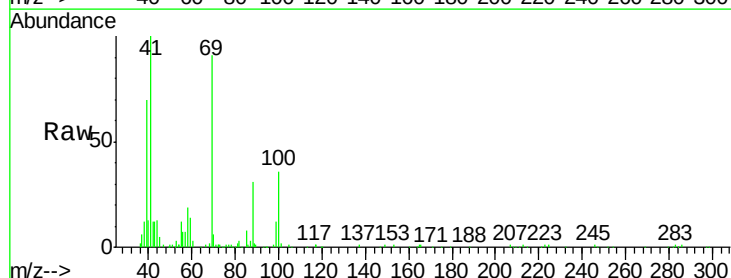
Tgt Ion: 88 Resp: 27088

Ion Ratio Lower Upper

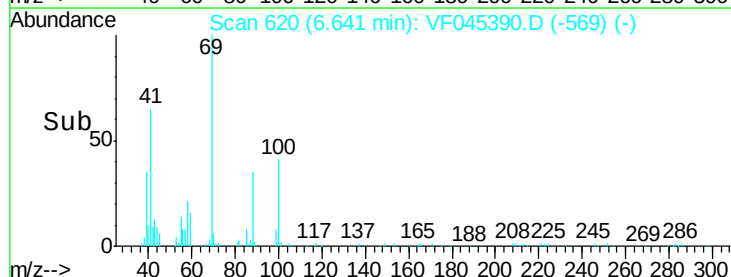
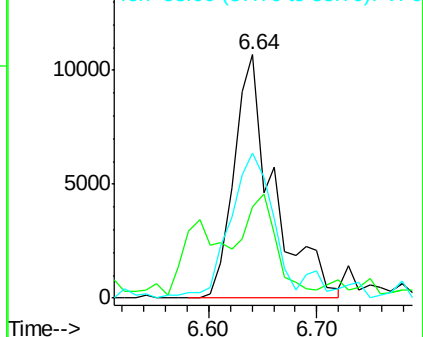
88 100

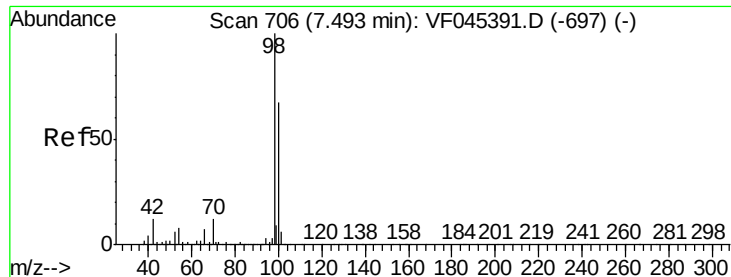
43 37.5 34.5 51.7

58 59.5 46.5 69.7



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#49

Toluene-d8

Concen: 20.39 ug/l

RT: 7.49 min Scan# 706

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

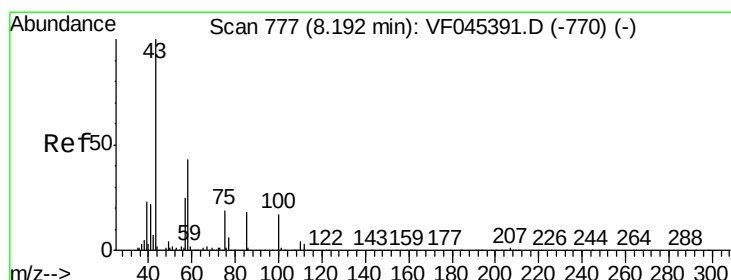
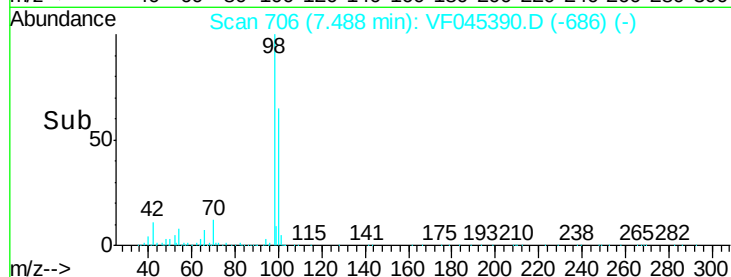
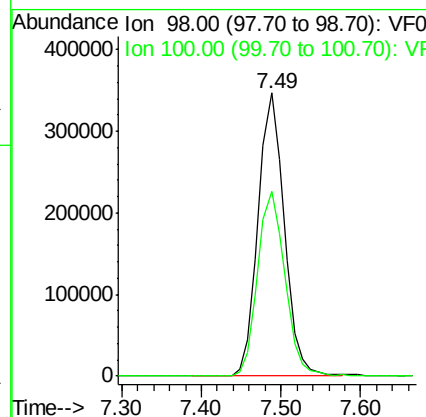
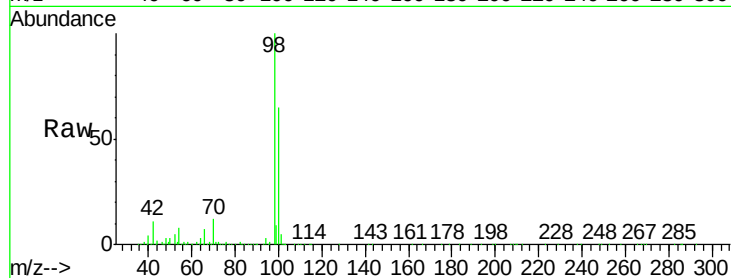
VSTDIC020

Tot Ion: 98 Resp: 786503

Ion Ratio Lower Upper

98 100

100 65.2 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 76.54 ug/l

RT: 8.19 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF045390.D

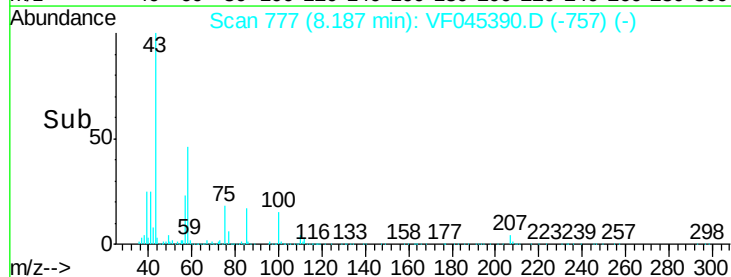
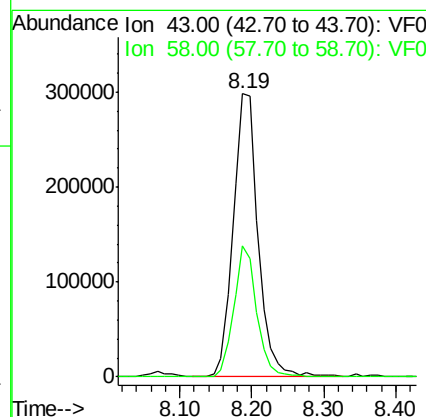
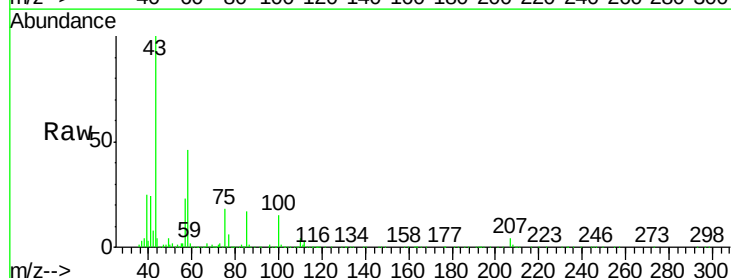
Acq: 16 Sep 2015 14:12

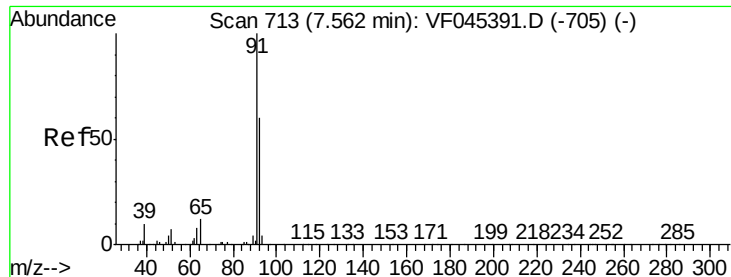
Tgt Ion: 43 Resp: 714257

Ion Ratio Lower Upper

43 100

58 46.1 33.6 50.4





#51

Toluene

Concen: 20.87 ug/l

RT: 7.56 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

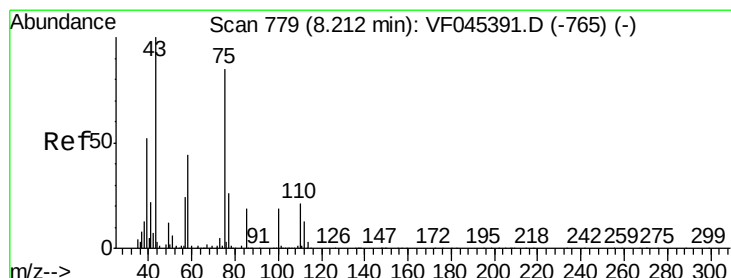
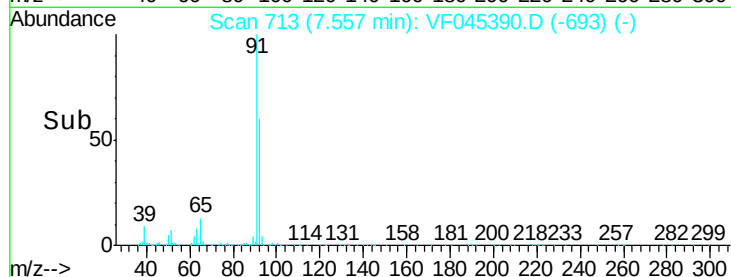
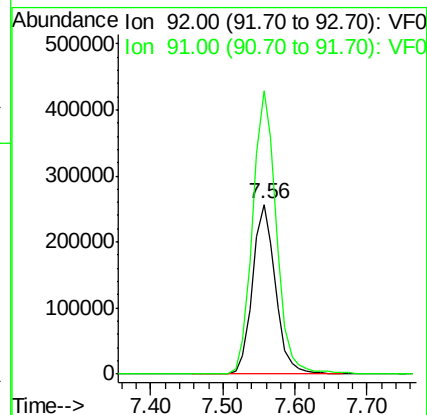
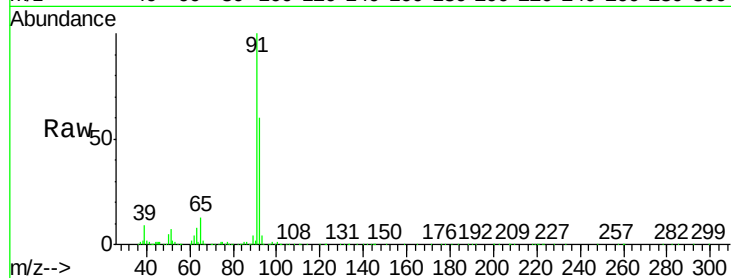
VSTDIC020

Tot Ion: 92 Resp: 572025

Ion Ratio Lower Upper

92 100

91 166.6 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 19.59 ug/l

RT: 8.21 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF045390.D

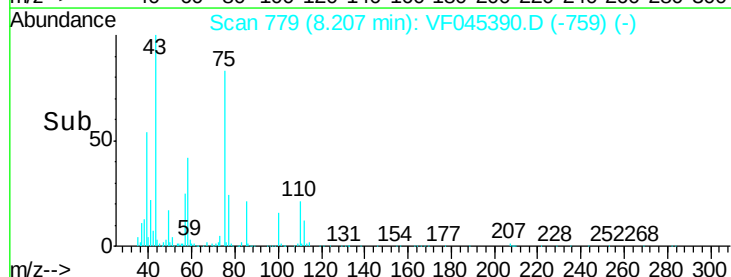
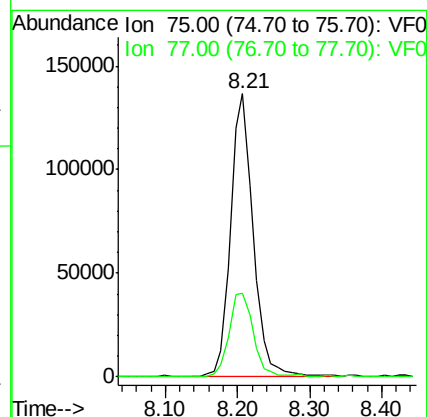
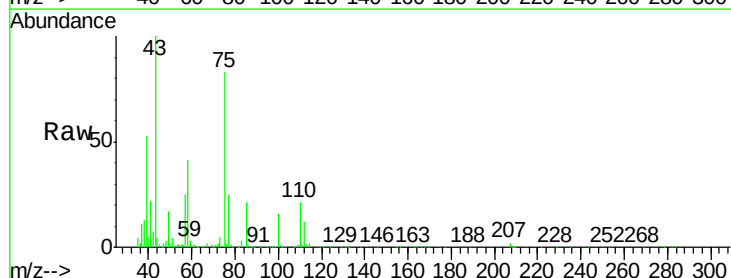
Acq: 16 Sep 2015 14:12

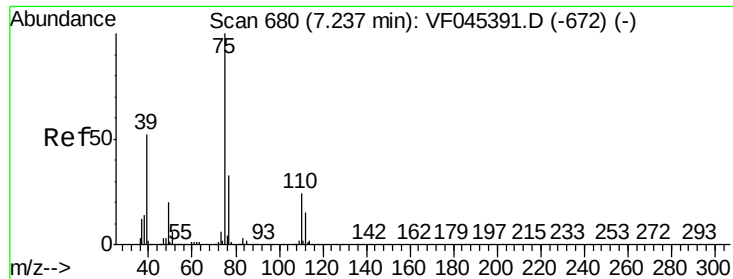
Tgt Ion: 75 Resp: 298029

Ion Ratio Lower Upper

75 100

77 29.7 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 7.23 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

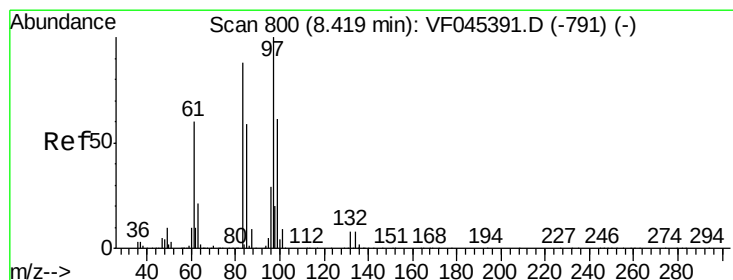
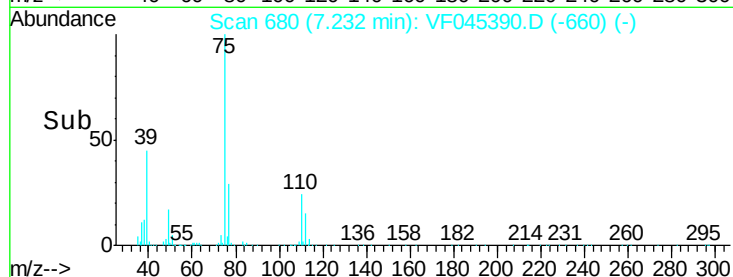
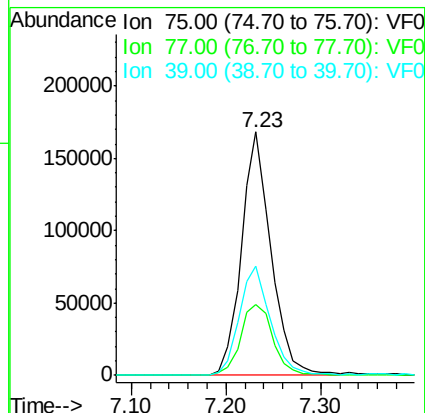
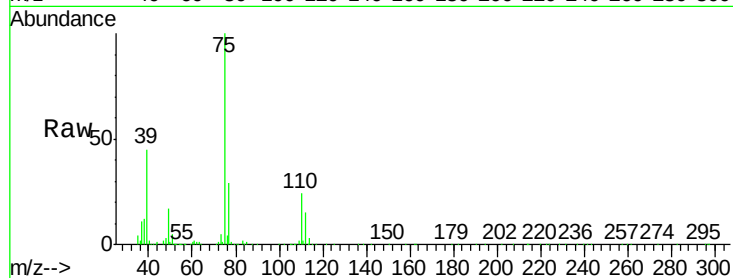
Tot Ion: 75 Resp: 363707

Ion Ratio Lower Upper

75 100

77 29.2 25.5 38.3

39 44.7 41.6 62.4



#54

1,1,2-Trichloroethane

Concen: 19.57 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion: 97 Resp: 185930

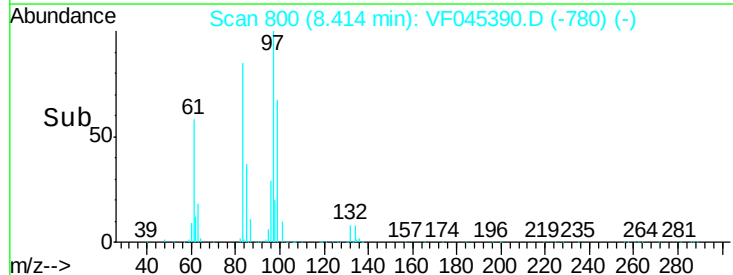
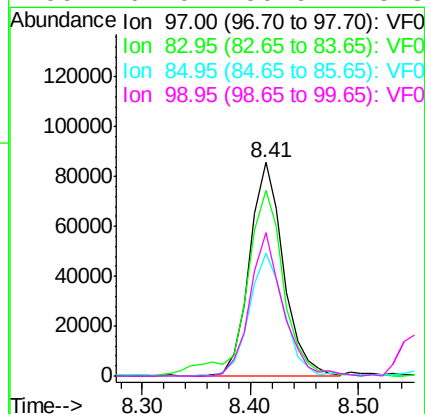
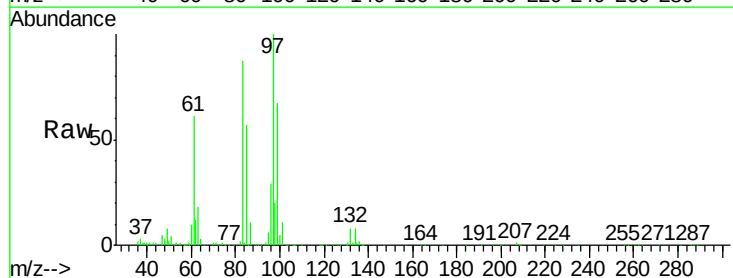
Ion Ratio Lower Upper

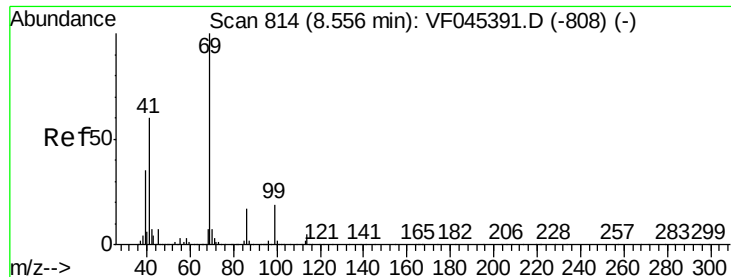
97 100

83 87.0 70.1 105.1

85 57.4 47.4 71.2

99 67.0 50.6 75.8





#55

Ethyl methacrylate

Concen: 18.76 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

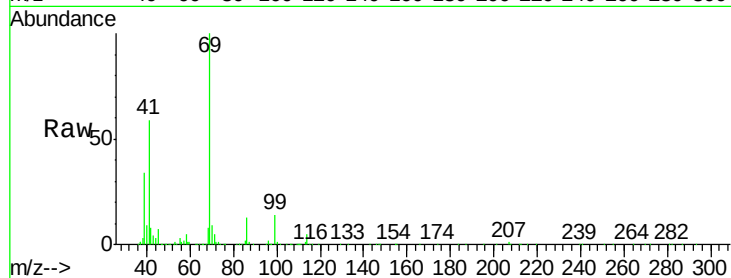
Tot Ion: 69 Resp: 248182

Ion Ratio Lower Upper

69 100

41 59.4 51.0 76.4

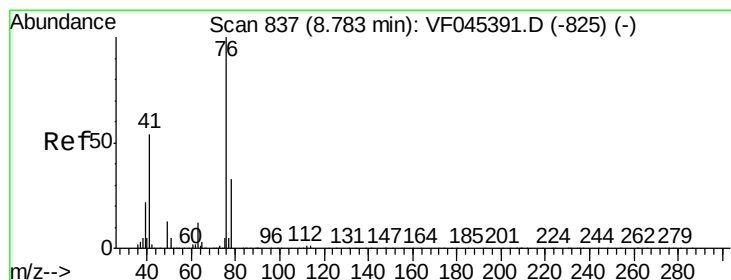
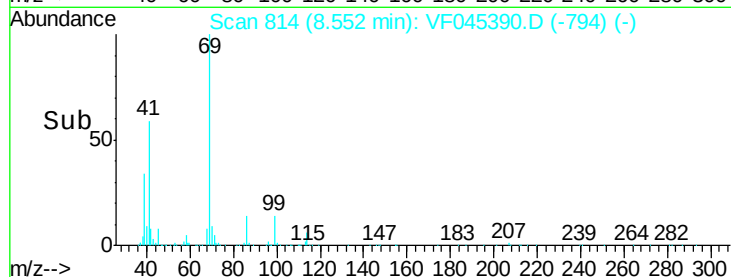
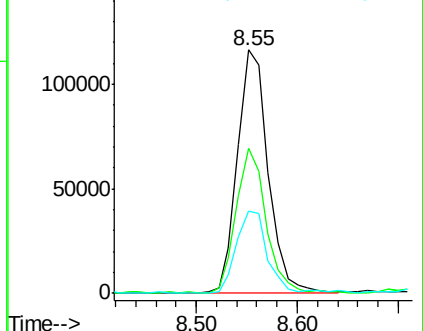
39 34.0 29.1 43.7



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#56

1,3-Dichloropropane

Concen: 19.87 ug/l

RT: 8.78 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF045390.D

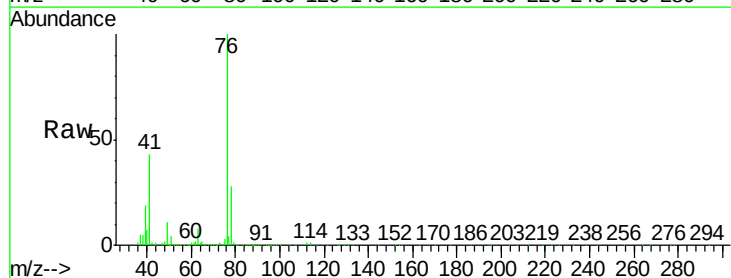
Acq: 16 Sep 2015 14:12

Tgt Ion: 76 Resp: 326818

Ion Ratio Lower Upper

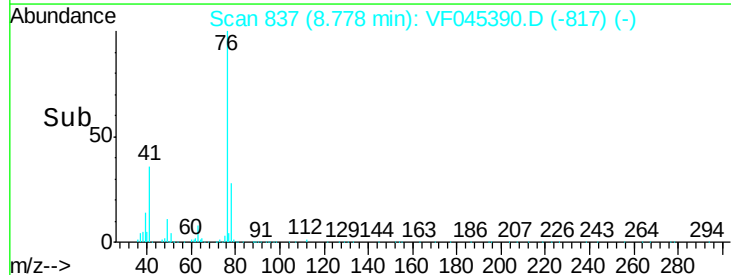
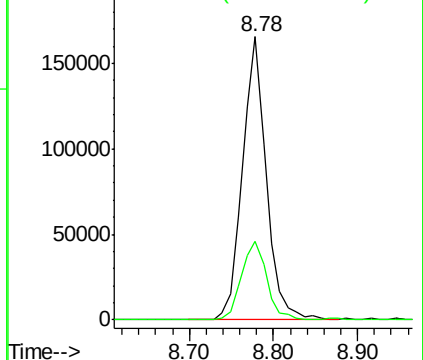
76 100

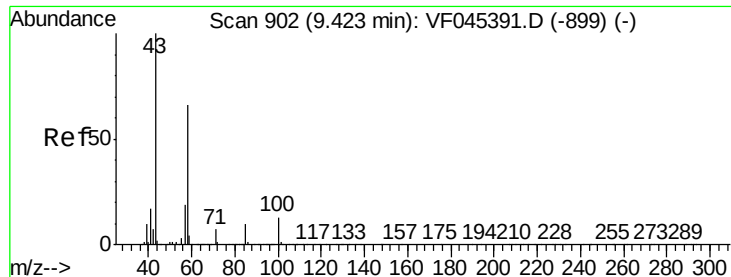
78 27.6 26.1 39.1



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

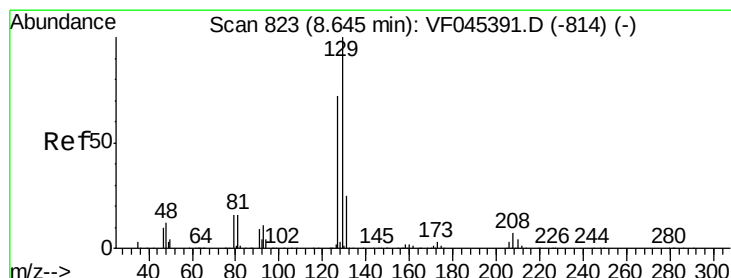
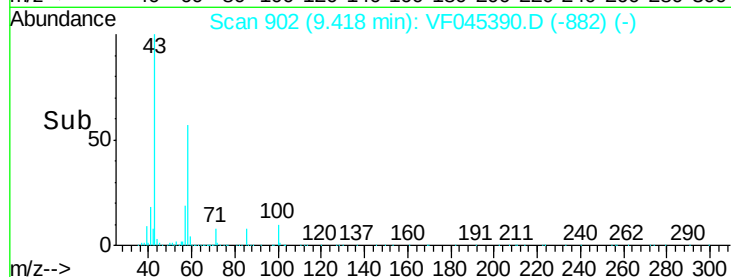
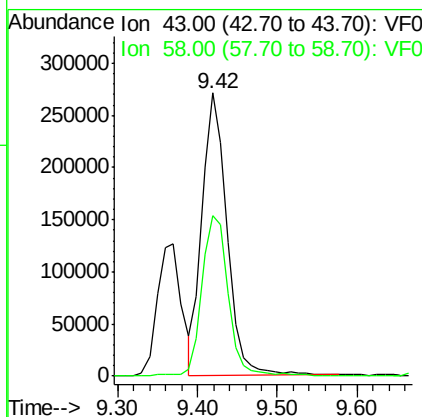
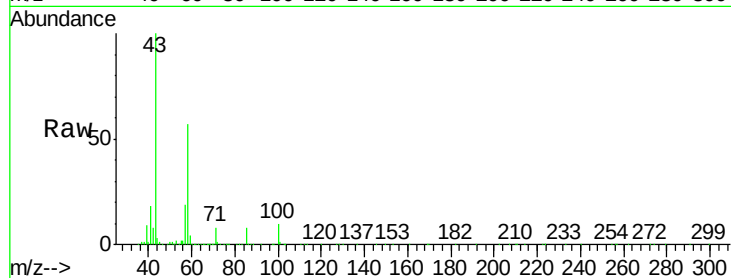




#58
2-Hexanone
Concen: 79.44 ug/l
RT: 9.42 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

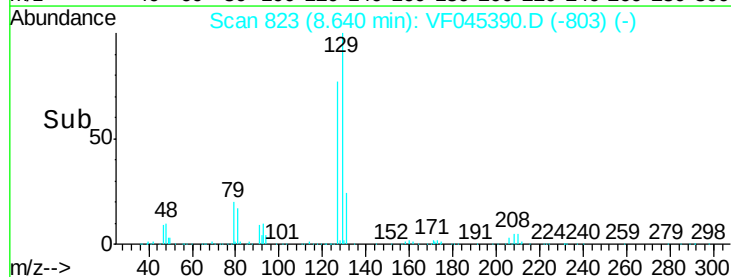
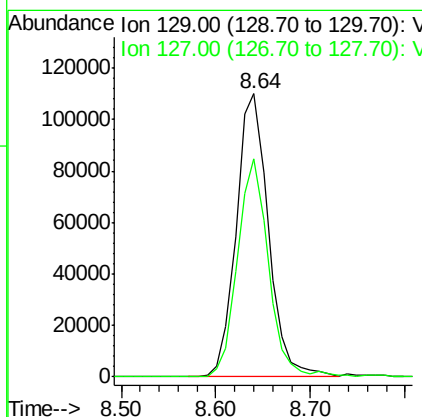
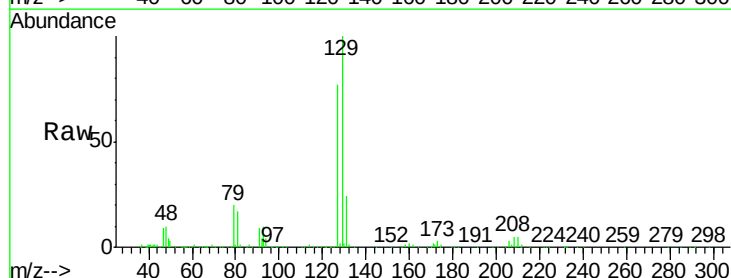
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

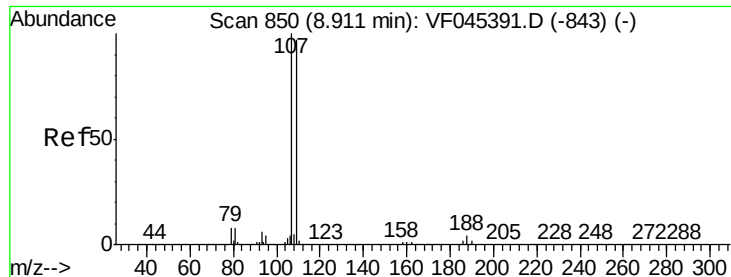
Tot Ion: 43 Resp: 587716
Ion Ratio Lower Upper
43 100
58 56.8 28.8 86.5



#59
Dibromochloromethane
Concen: 21.65 ug/l
RT: 8.64 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion: 129 Resp: 259441
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6





#60

1,2-Dibromoethane

Concen: 20.35 ug/l

RT: 8.91 min Scan# 850

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

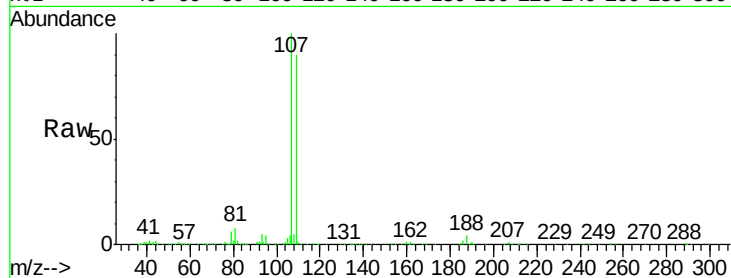
VSTDIC020

Tot Ion: 107 Resp: 217497

Ion Ratio Lower Upper

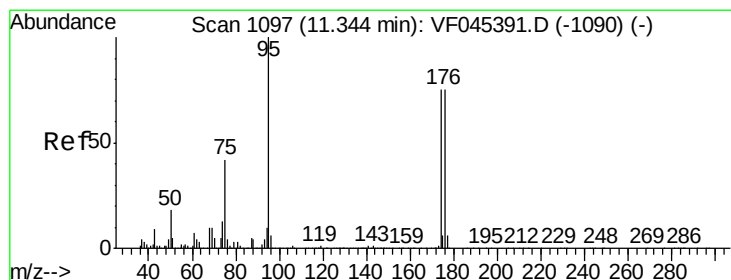
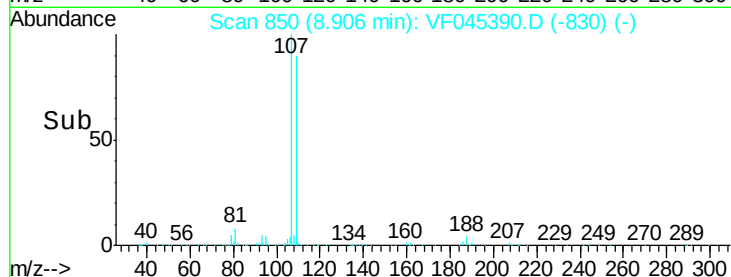
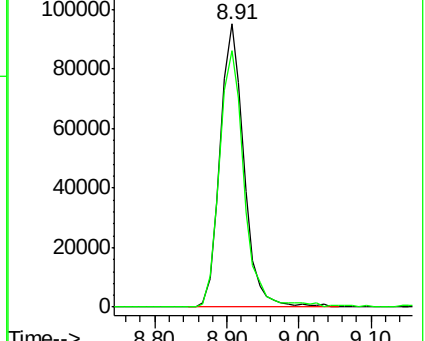
107 100

109 90.5 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: 21.24 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

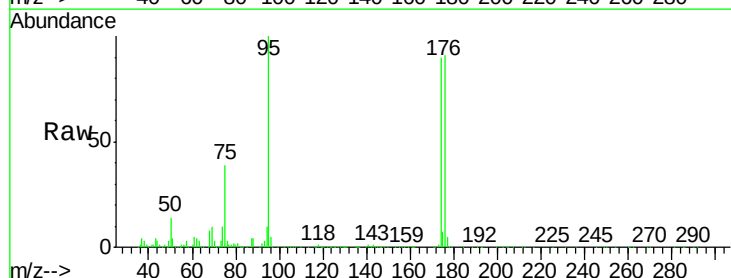
Tgt Ion: 95 Resp: 374503

Ion Ratio Lower Upper

95 100

174 89.8 0.0 177.8

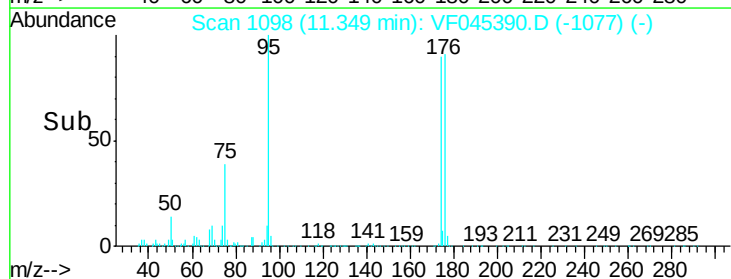
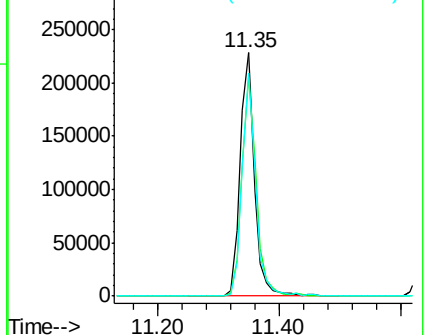
176 91.5 0.0 176.2

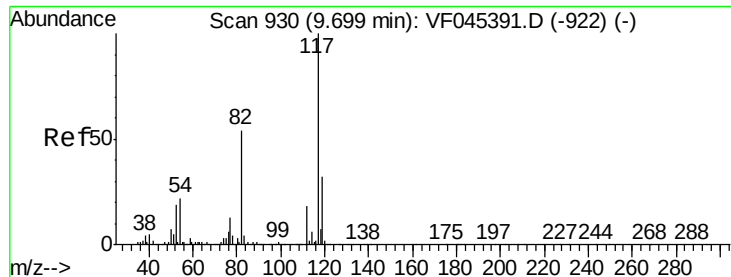


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.69 min Scan# 930

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

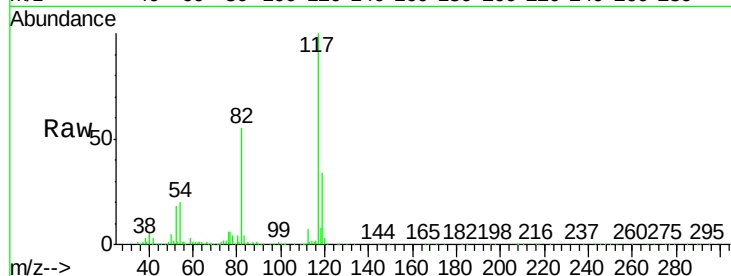
Tot Ion:117 Resp: 1637103

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.6

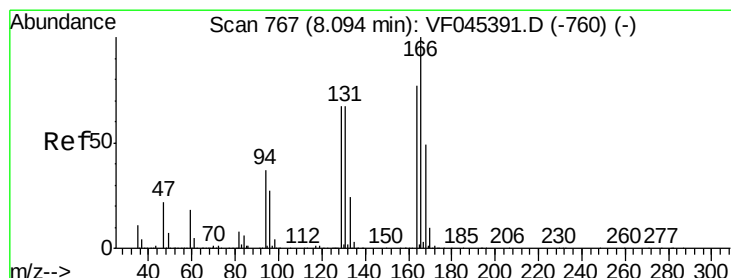
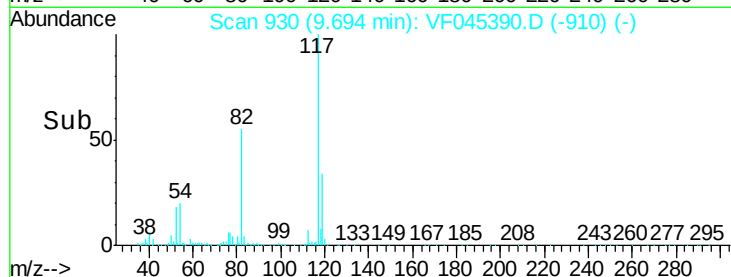
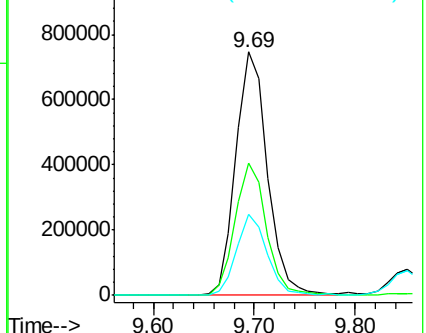
119 33.5 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 22.35 ug/l

RT: 8.09 min Scan# 767

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:164 Resp: 250496

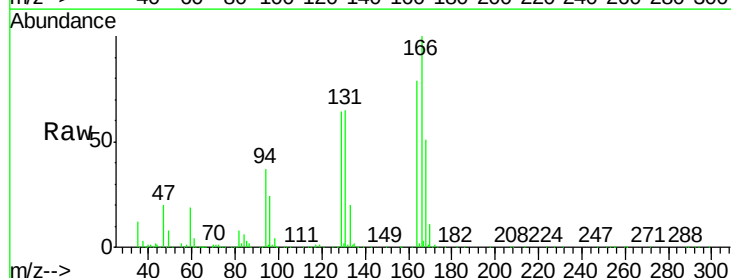
Ion Ratio Lower Upper

164 100

166 126.8 106.0 159.0

129 80.8 69.8 104.6

131 82.2 68.2 102.4

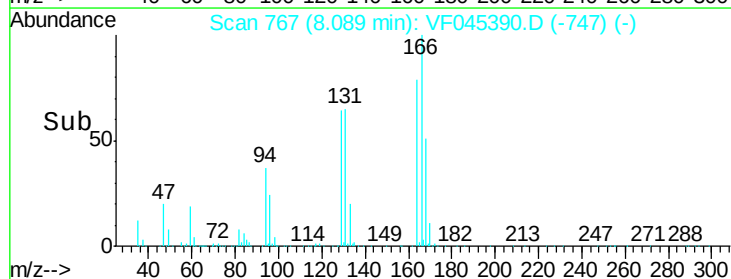
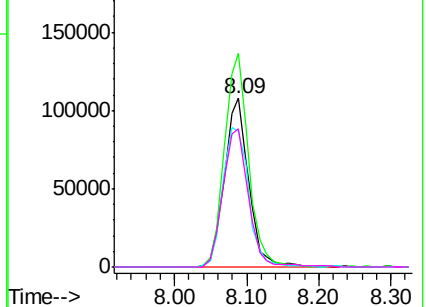


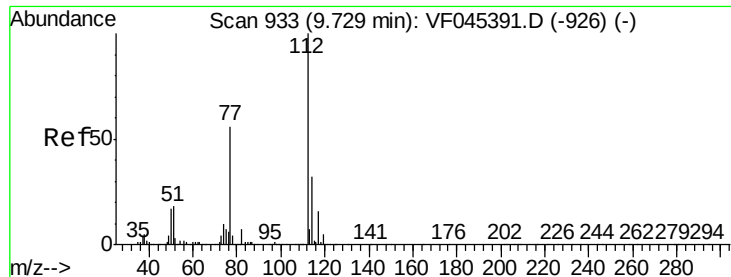
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#64

Chlorobenzene

Concen: 20.15 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

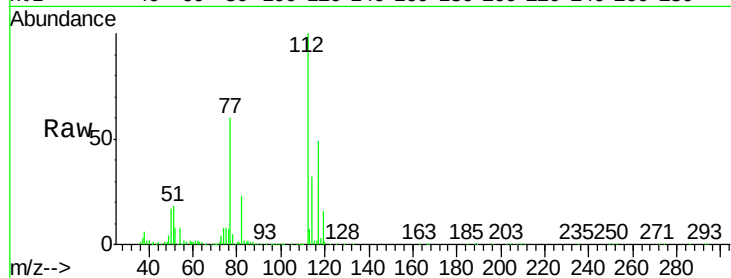
VSTDIC020

Tot Ion:112 Resp: 677417

Ion Ratio Lower Upper

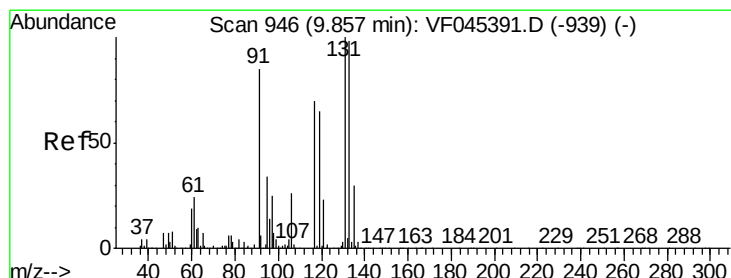
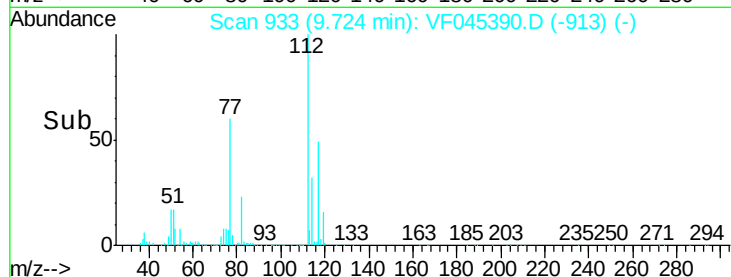
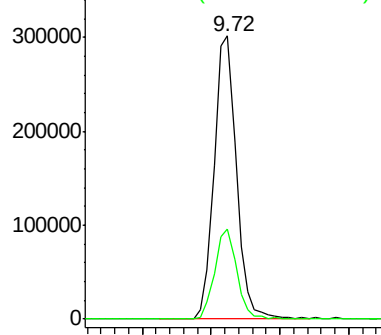
112 100

114 31.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 20.55 ug/l

RT: 9.85 min Scan# 946

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

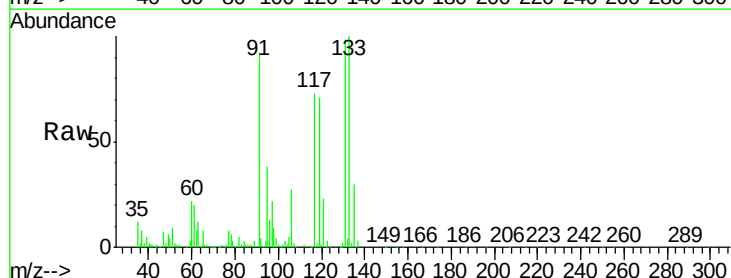
Tgt Ion:131 Resp: 237267

Ion Ratio Lower Upper

131 100

133 102.3 48.1 144.4

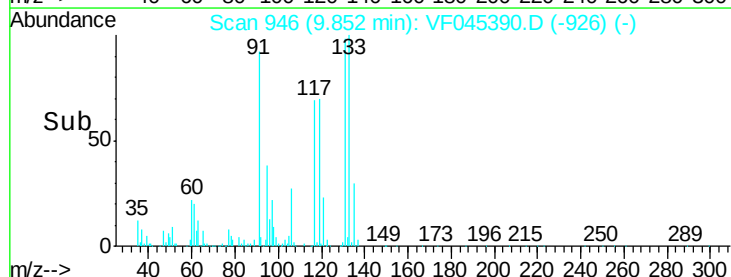
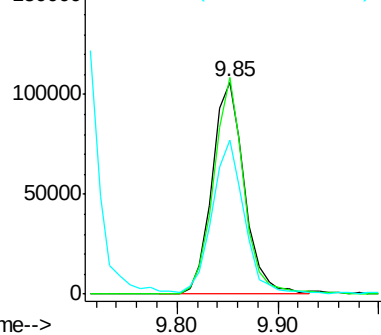
119 72.7 34.8 104.5

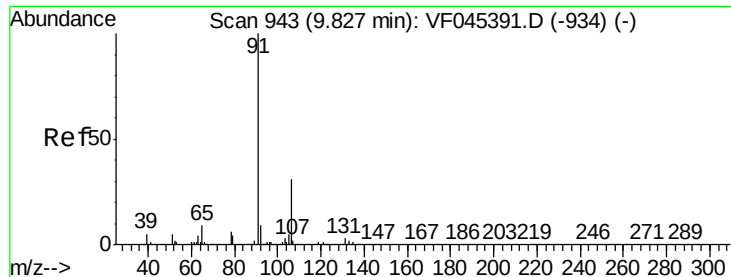


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 19.68 ug/l

RT: 9.82 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

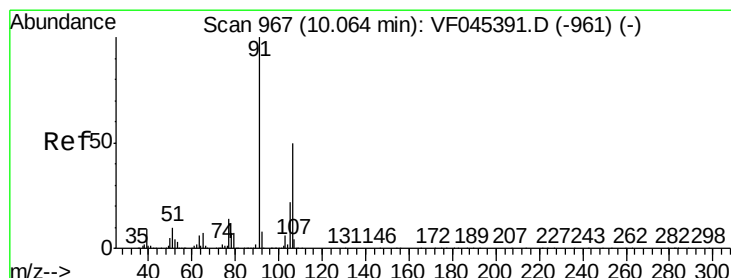
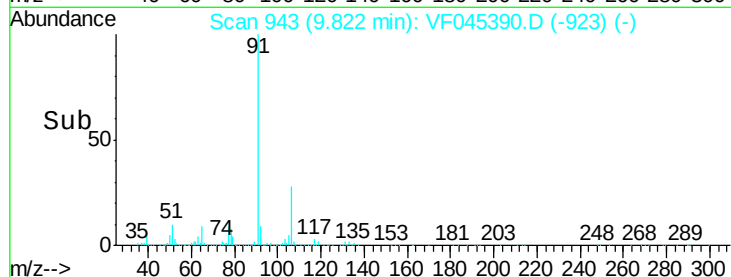
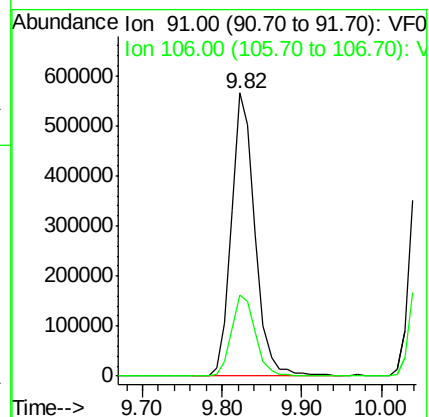
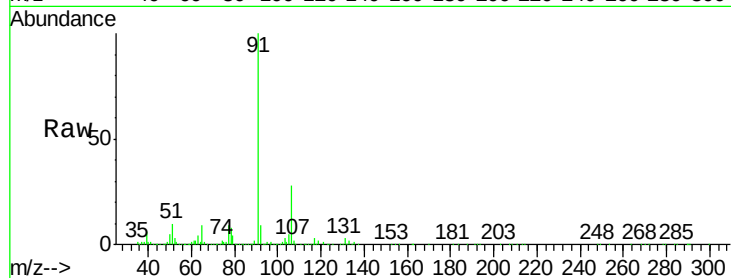
VSTDIC020

Tot Ion: 91 Resp: 1174952

Ion Ratio Lower Upper

91 100

106 28.5 23.6 35.4



#67

m/p-Xylenes

Concen: 41.34 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF045390.D

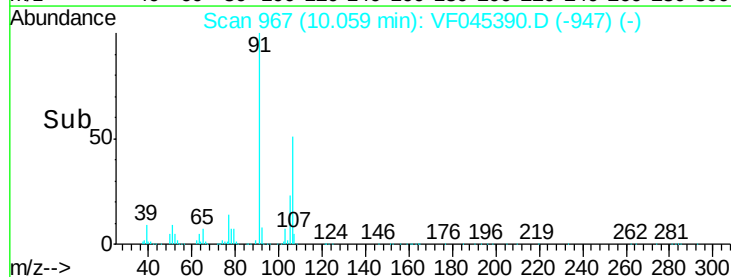
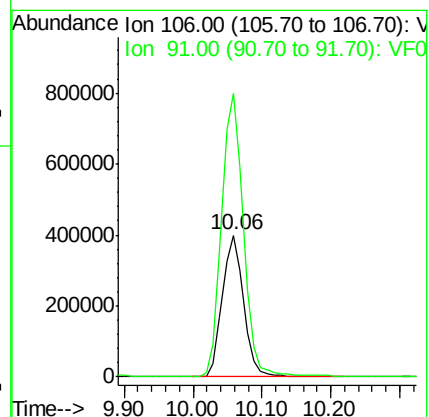
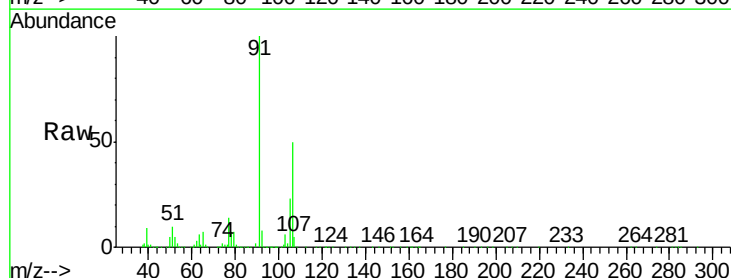
Acq: 16 Sep 2015 14:12

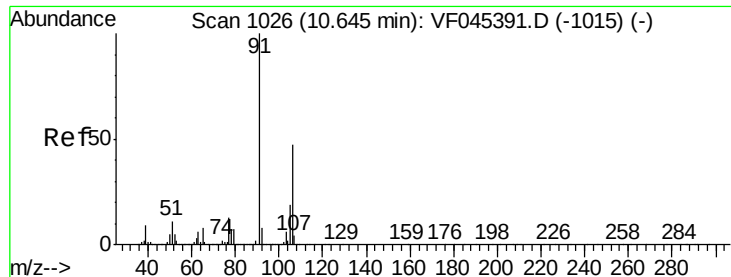
Tgt Ion: 106 Resp: 855555

Ion Ratio Lower Upper

106 100

91 200.1 166.1 249.1

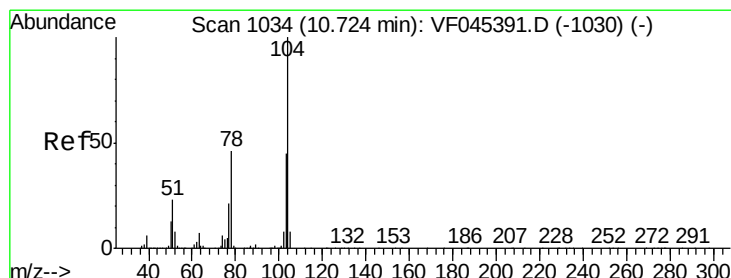
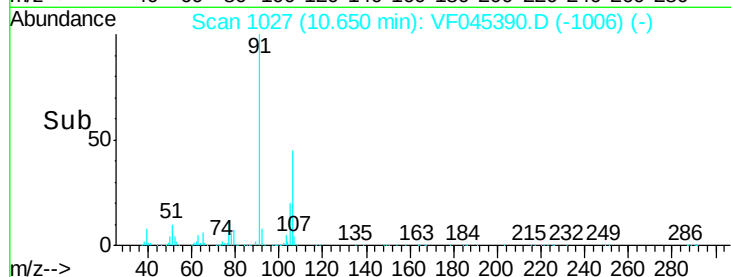
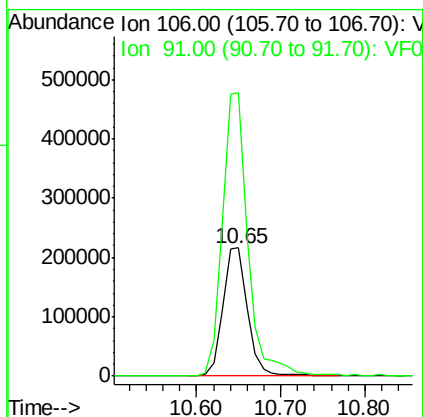
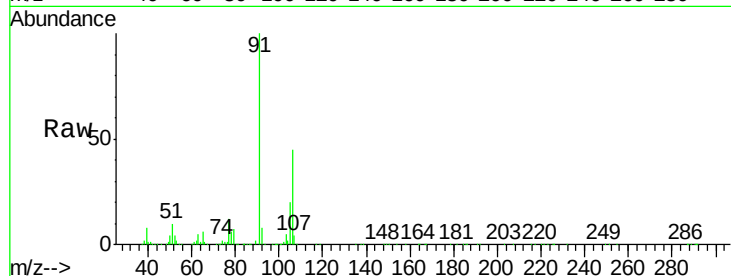




#68
o-Xylene
Concen: 20.26 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

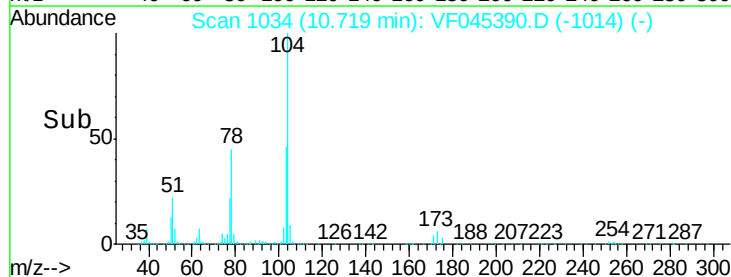
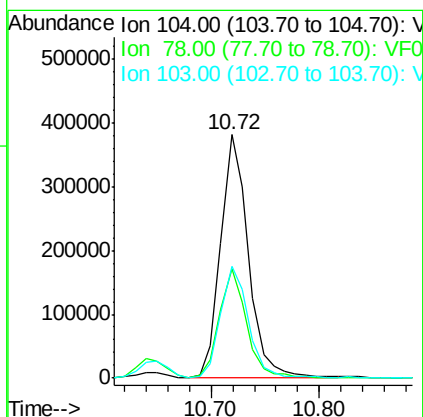
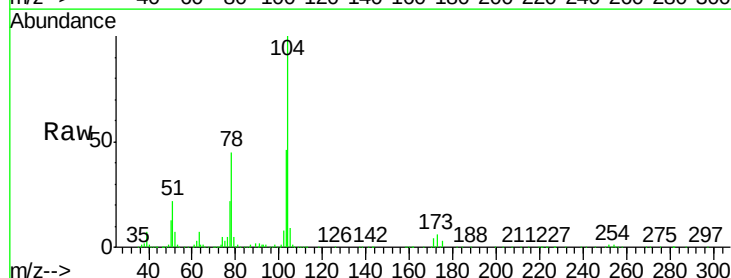
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

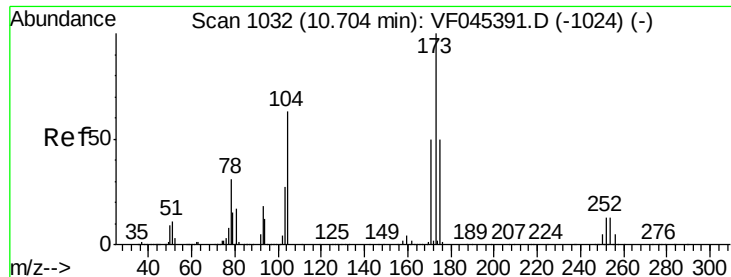
Tot Ion:106 Resp: 439287
Ion Ratio Lower Upper
106 100
91 220.7 108.1 324.2



#69
Styrene
Concen: 19.61 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion:104 Resp: 681560
Ion Ratio Lower Upper
104 100
78 45.0 34.2 51.4
103 46.0 36.7 55.1





#70

Bromoform

Concen: 21.55 ug/l

RT: 10.70 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

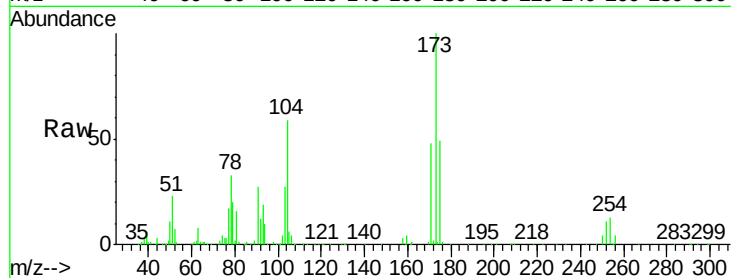
Tot Ion:173 Resp: 176218

Ion Ratio Lower Upper

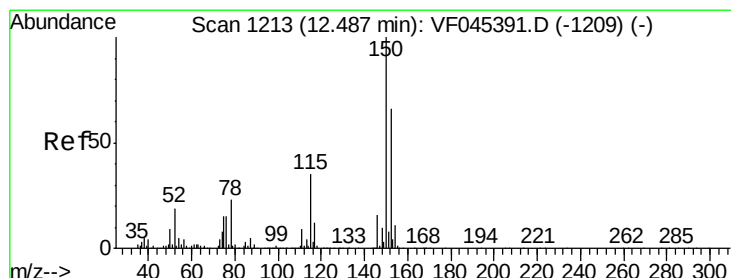
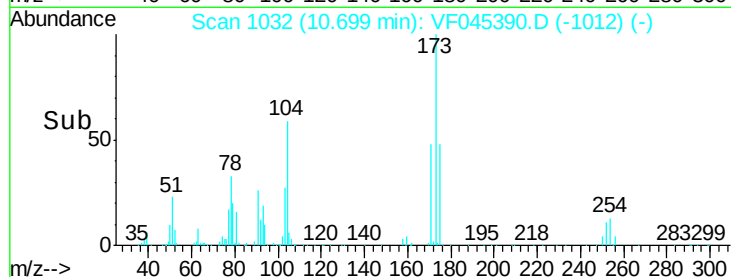
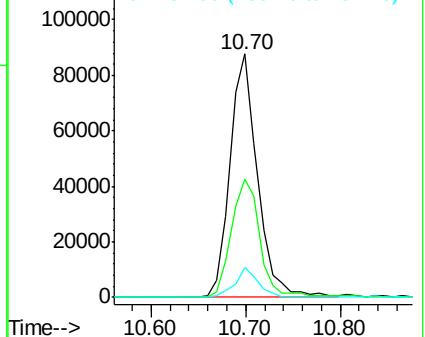
173 100

175 48.6 25.7 77.0

254 12.8 9.8 14.6



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

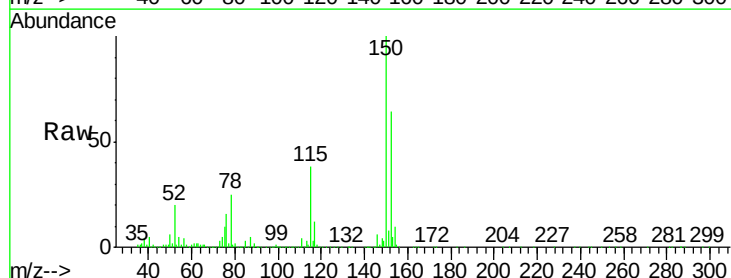
Tgt Ion:152 Resp: 915031

Ion Ratio Lower Upper

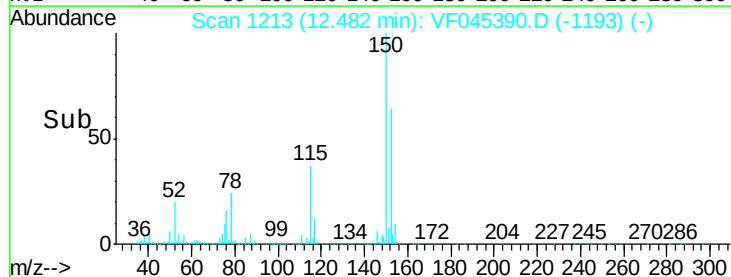
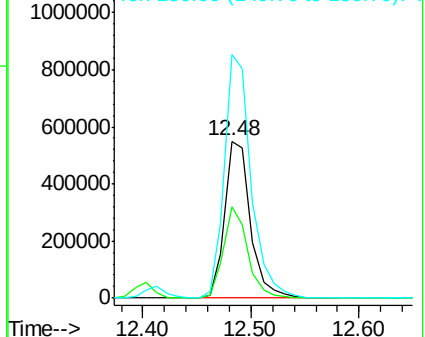
152 100

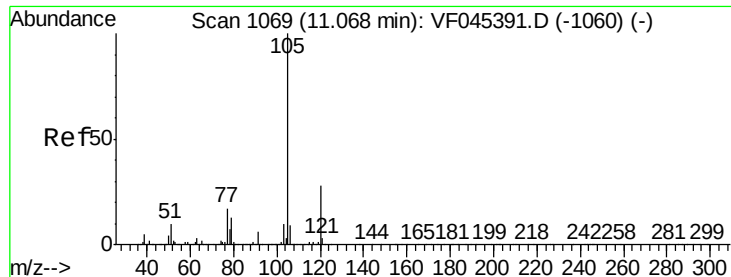
115 58.2 28.3 85.0

150 155.2 0.0 324.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 19.31 ug/l

RT: 11.06 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

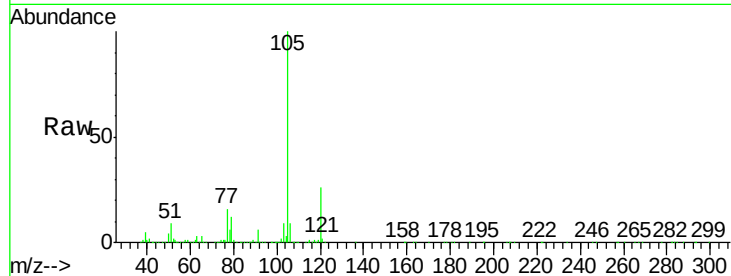
VSTDIC020

Tot Ion:105 Resp: 1293402

Ion Ratio Lower Upper

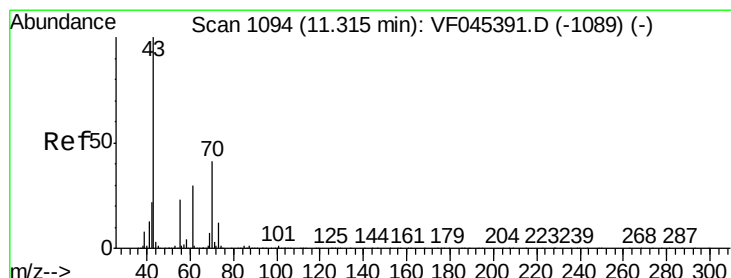
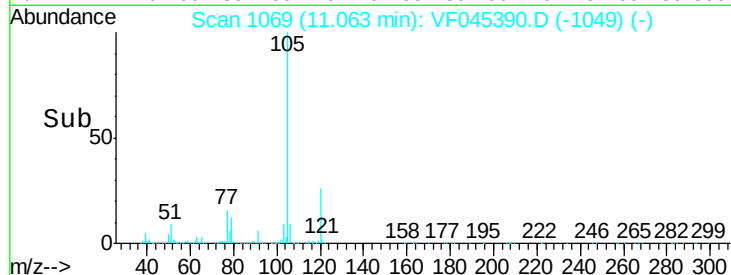
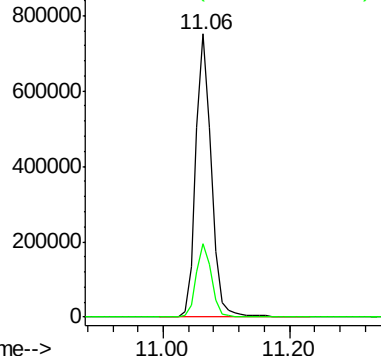
105 100

120 25.9 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: 14.45 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion: 43 Resp: 334575

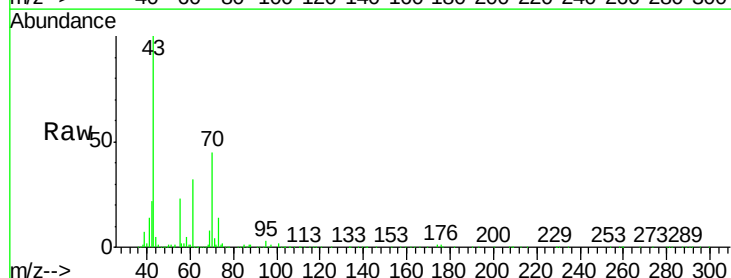
Ion Ratio Lower Upper

43 100

70 45.2 30.0 45.0#

55 22.7 16.8 25.2

61 32.2 20.6 30.8#

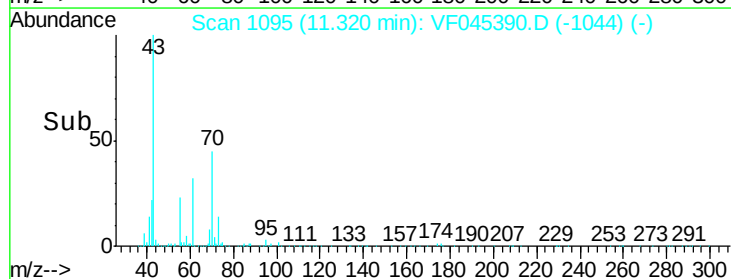
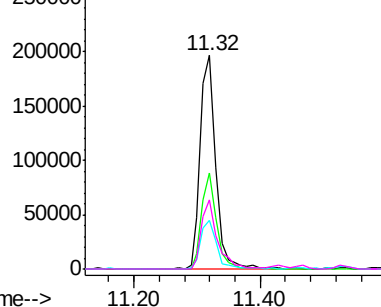


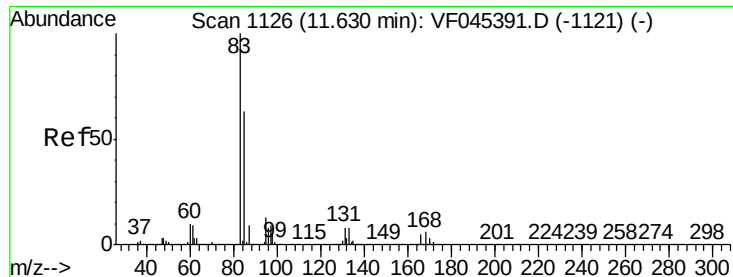
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#74

1,1,2,2-Tetrachloroethane

Concen: 17.40 ug/l

RT: 11.63 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

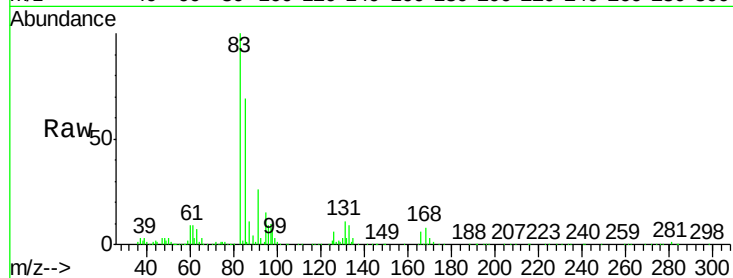
MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 279762

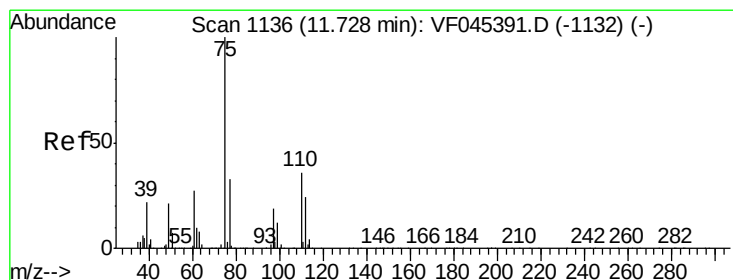
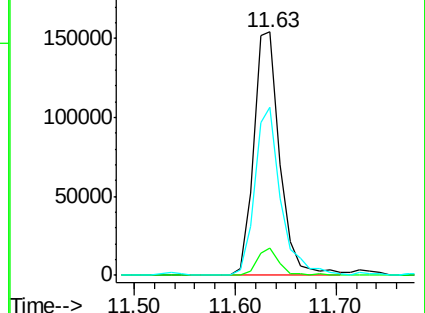
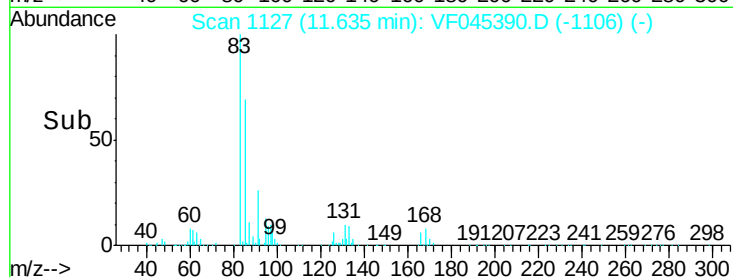
Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.2	12.6
85	69.0	32.5	97.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#75

1,2,3-Trichloropropane

Concen: 15.52 ug/l

RT: 11.73 min Scan# 1137

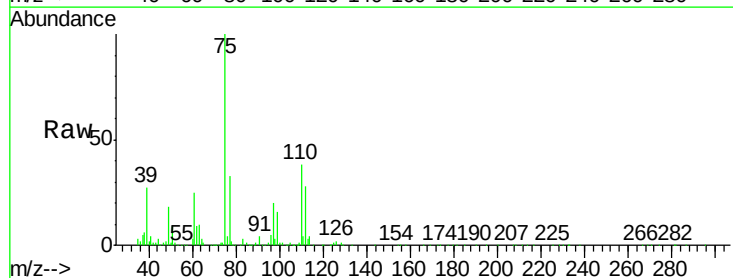
Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

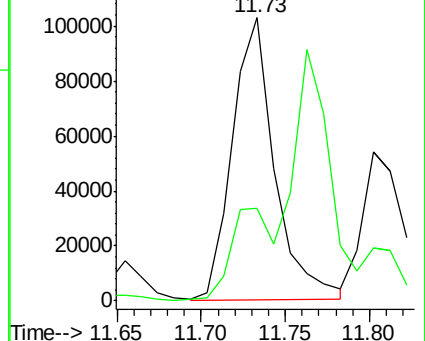
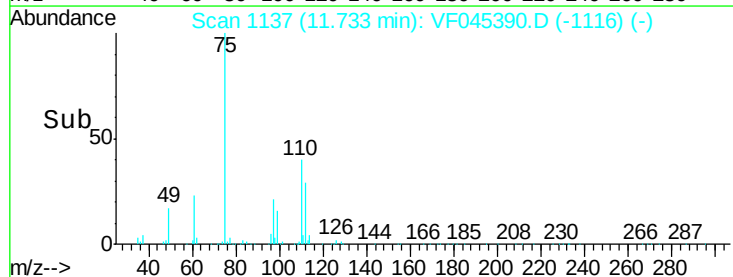
Tgt Ion: 75 Resp: 179630

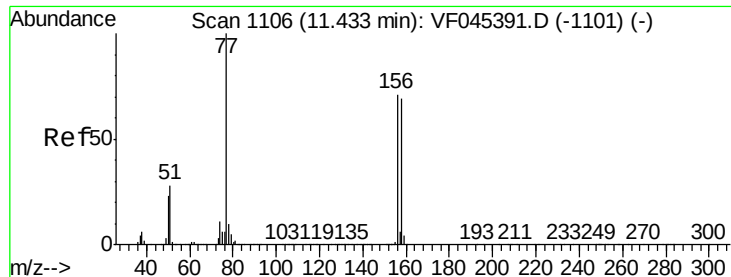
Ion	Ratio	Lower	Upper
75	100		
77	32.6	15.0	45.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

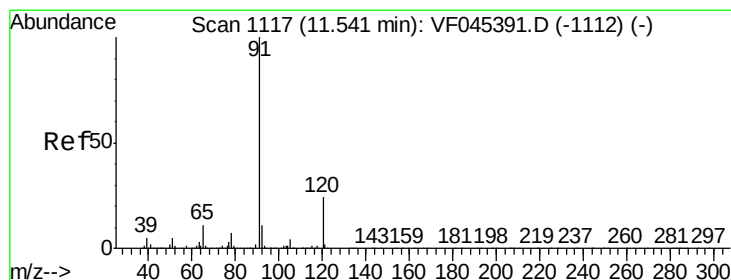
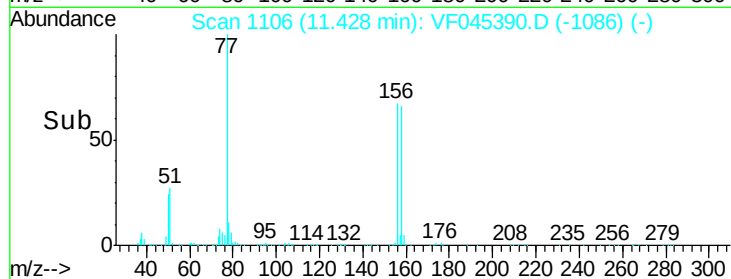
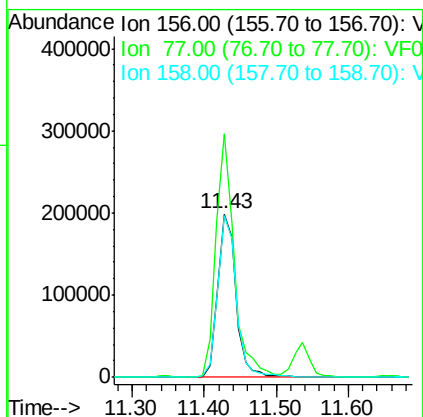
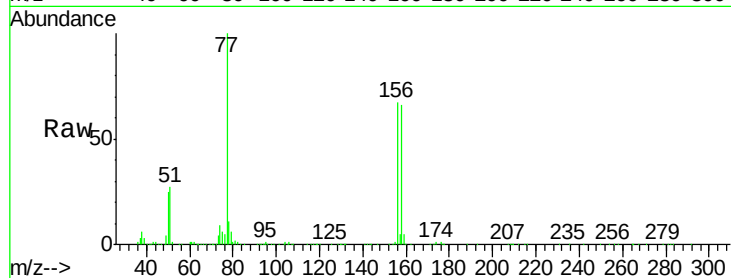




#76
Bromobenzene
Concen: 20.12 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

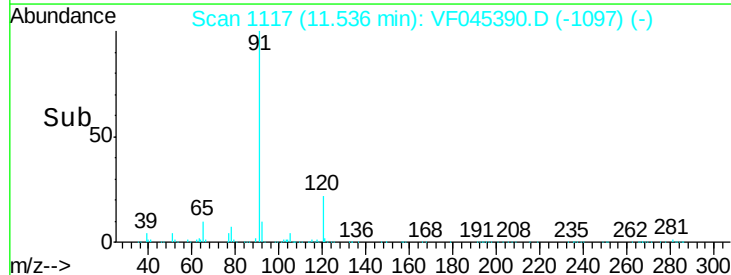
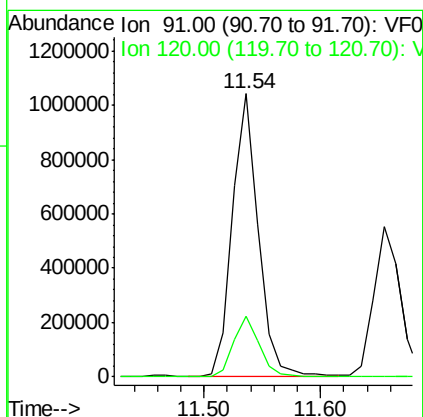
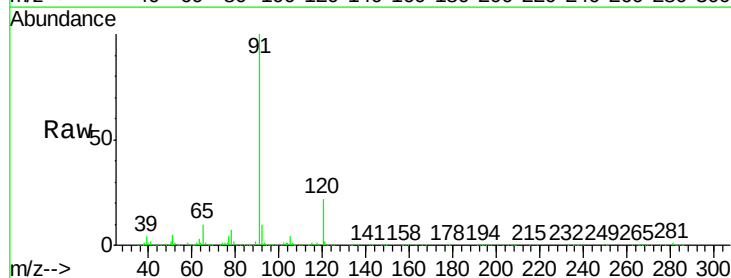
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

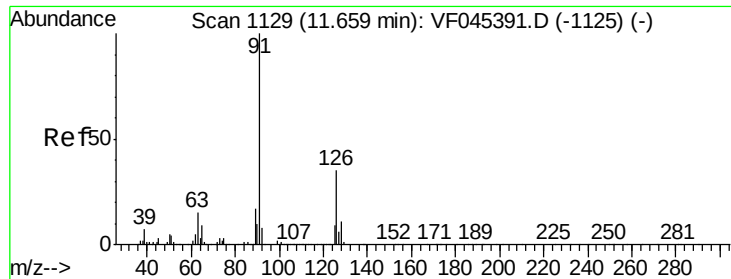
Tot Ion:156 Resp: 346775
Ion Ratio Lower Upper
156 100
77 149.4 74.8 224.3
158 99.0 49.5 148.7



#77
n-propylbenzene
Concen: 18.76 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion: 91 Resp: 1611487
Ion Ratio Lower Upper
91 100
120 21.6 11.6 34.7





#78

2-Chlorotoluene

Concen: 18.34 ug/l

RT: 11.65 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

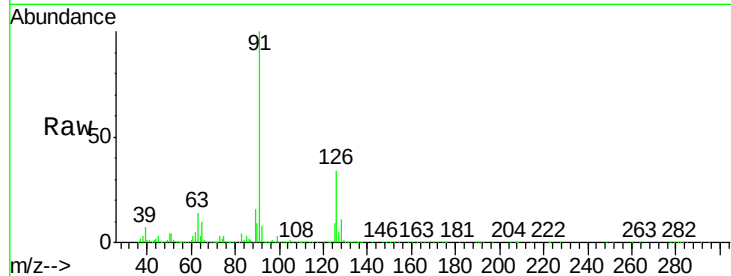
VSTDIC020

Tot Ion: 91 Resp: 874946

Ion Ratio Lower Upper

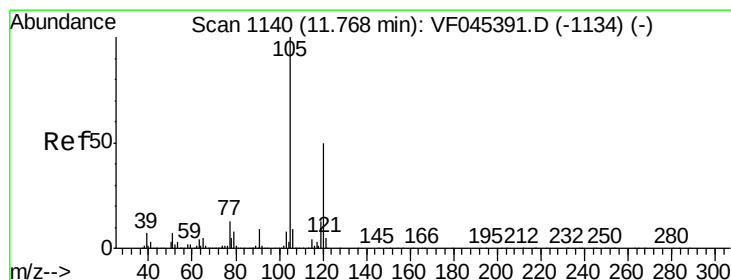
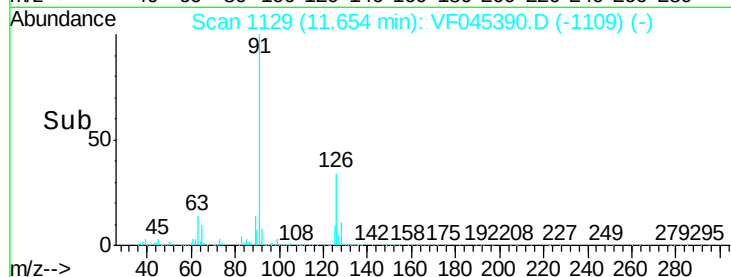
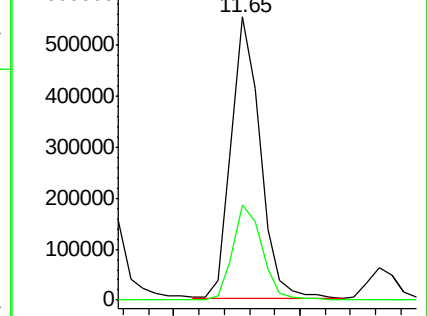
91 100

126 33.9 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#79

1,3,5-Trimethylbenzene

Concen: 19.08 ug/l

RT: 11.76 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF045390.D

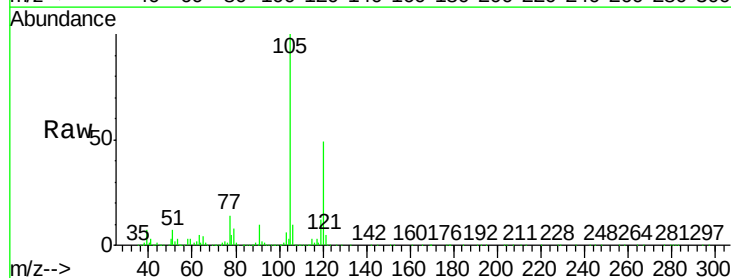
Acq: 16 Sep 2015 14:12

Tgt Ion:105 Resp: 1022719

Ion Ratio Lower Upper

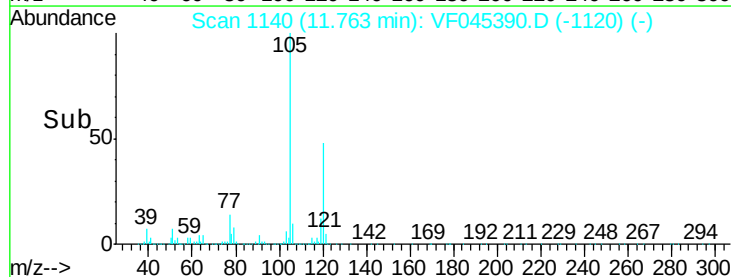
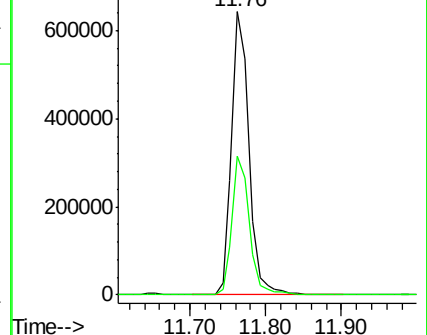
105 100

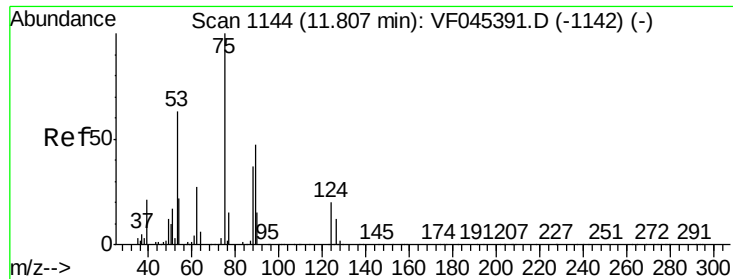
120 49.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#80

trans-1,4-Dichloro-2-butene

Concen: 20.41 ug/l

RT: 11.80 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

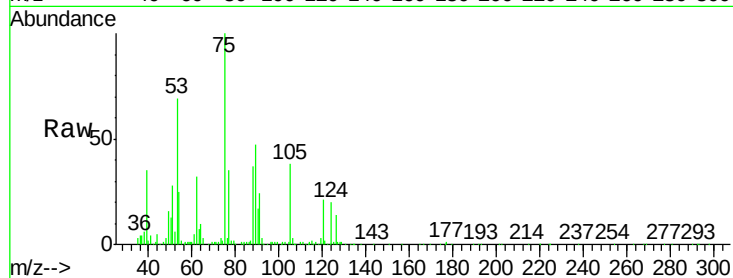
Tot Ion: 75 Resp: 115288

Ion Ratio Lower Upper

75 100

53 69.3 51.0 76.6

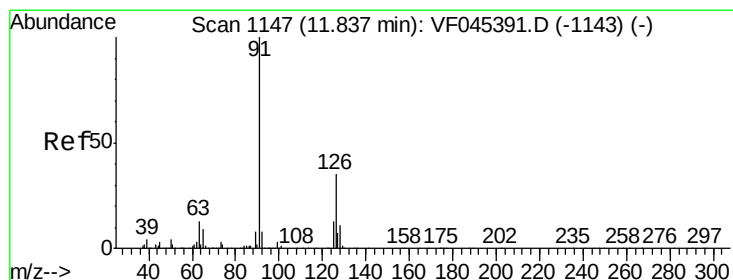
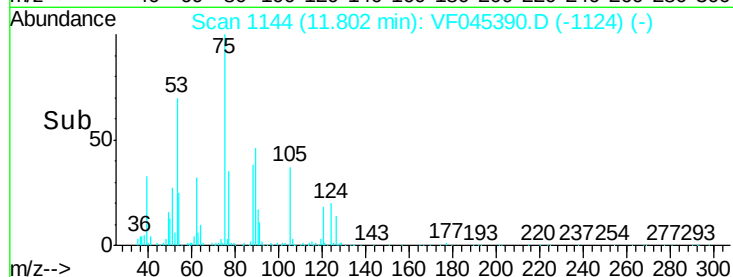
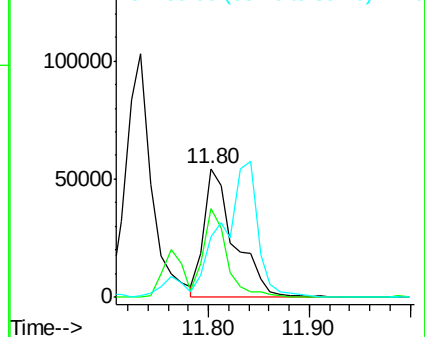
89 46.8 38.6 57.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#81

4-Chlorotoluene

Concen: 18.24 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VF045390.D

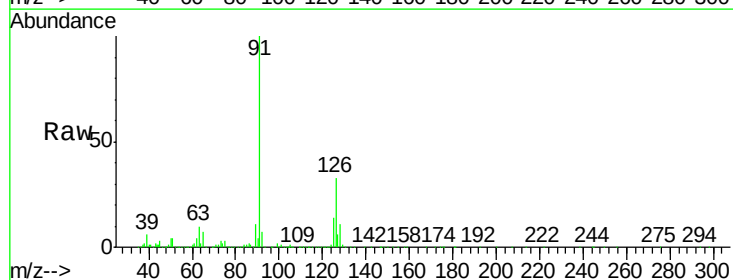
Acq: 16 Sep 2015 14:12

Tgt Ion: 91 Resp: 932519

Ion Ratio Lower Upper

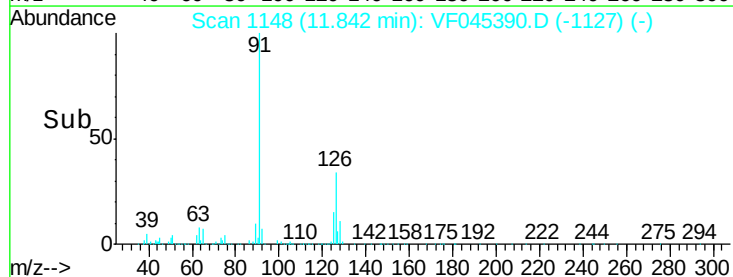
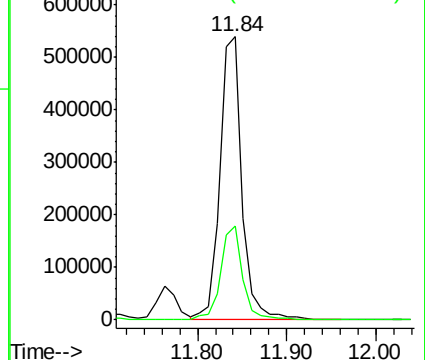
91 100

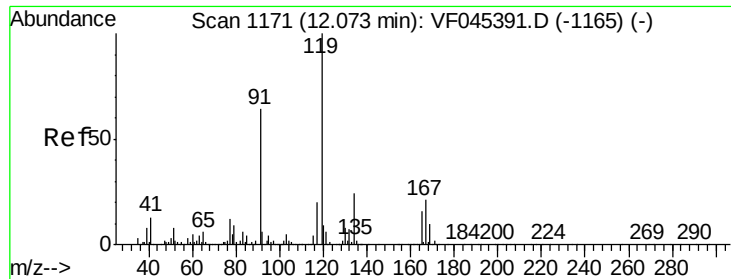
126 33.1 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



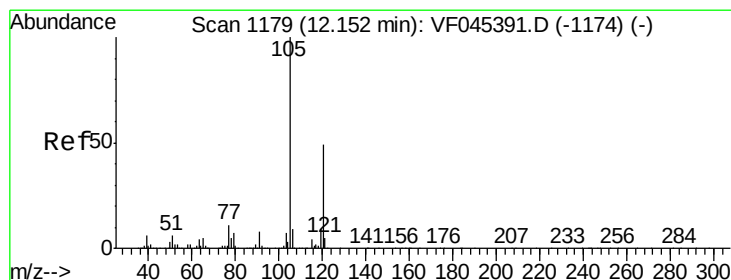
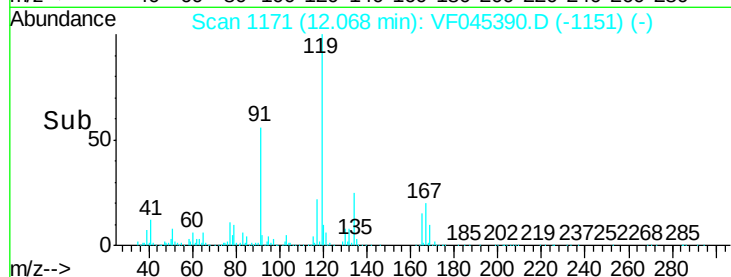
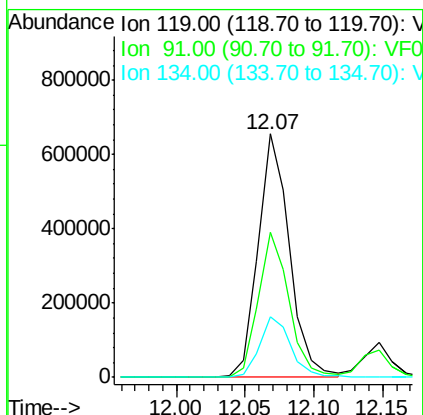
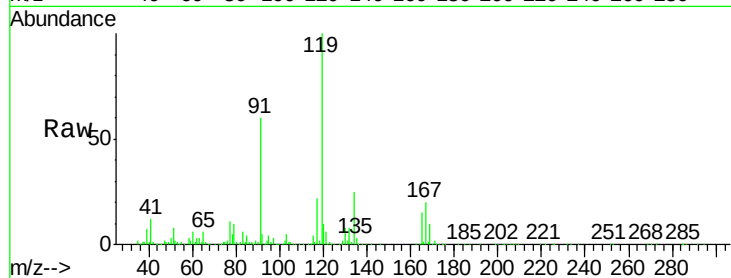


#82
 tert-Butylbenzene
 Concen: 20.01 ug/l
 RT: 12.07 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 1037477

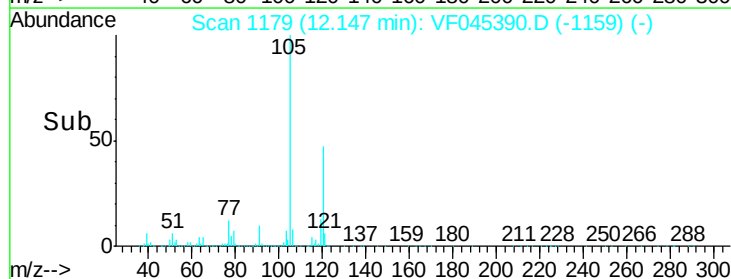
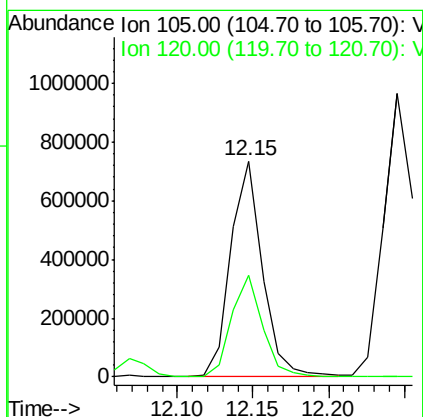
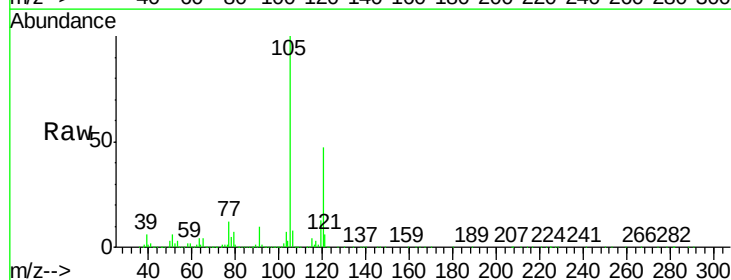
Ion	Ratio	Lower	Upper
119	100		
91	59.6	31.1	93.2
134	24.9	12.2	36.6

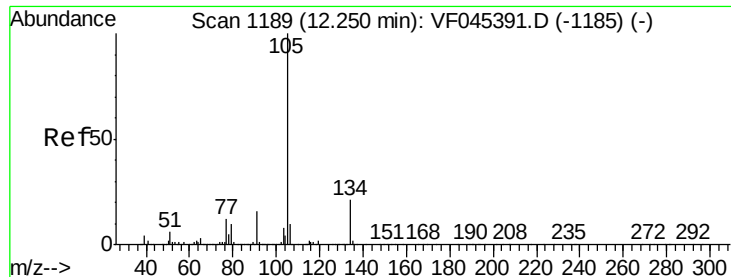


#83
 1,2,4-Trimethylbenzene
 Concen: 19.84 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion:105 Resp: 1075751

Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.9	68.7





#84

sec-Butylbenzene

Concen: 19.94 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

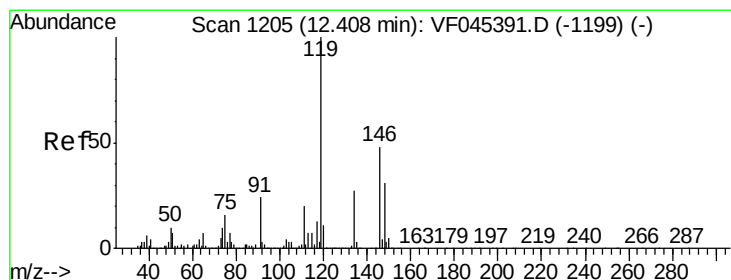
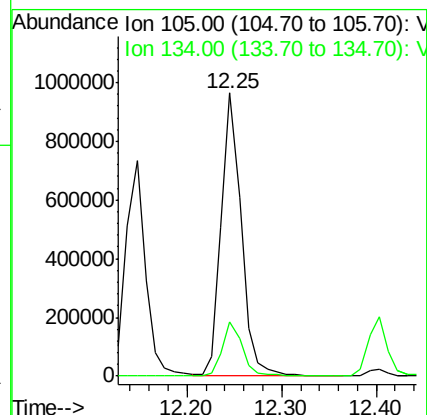
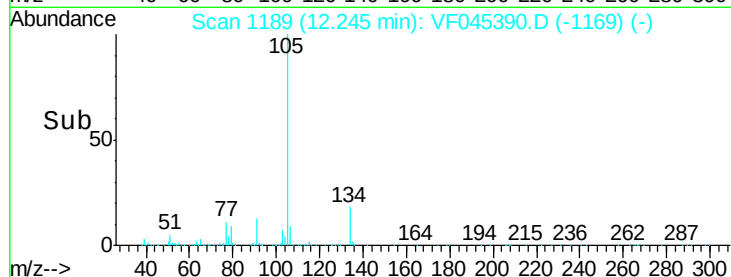
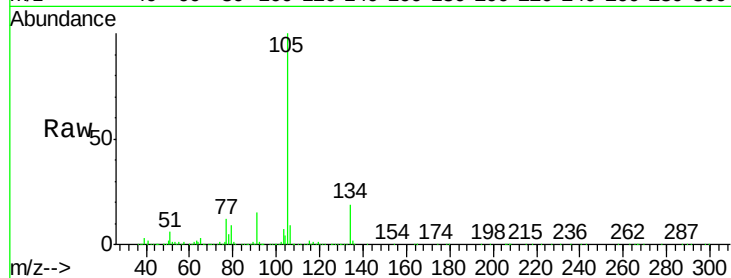
VSTDIC020

Tot Ion:105 Resp: 1421935

Ion Ratio Lower Upper

105 100

134 19.2 10.5 31.6



#85

p-Isopropyltoluene

Concen: 20.39 ug/l

RT: 12.40 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

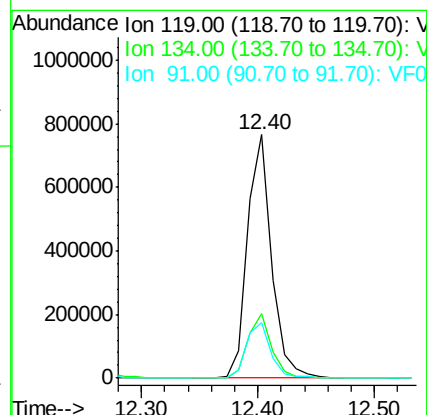
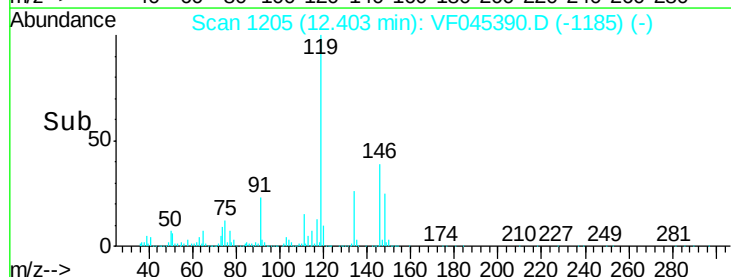
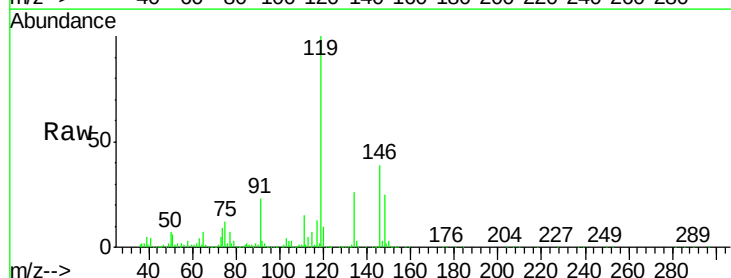
Tgt Ion:119 Resp: 1096592

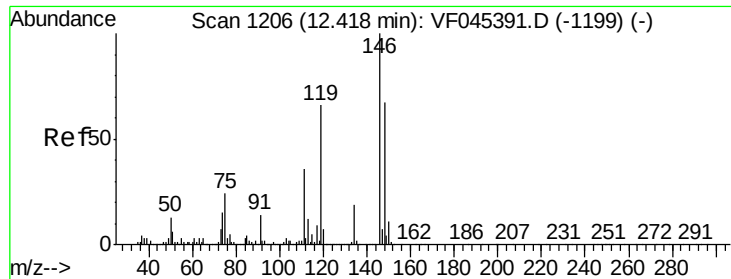
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 23.0 12.2 36.6

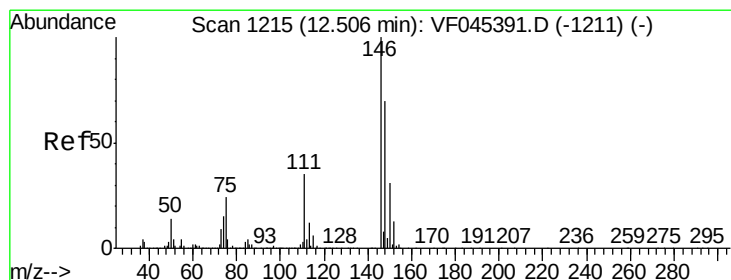
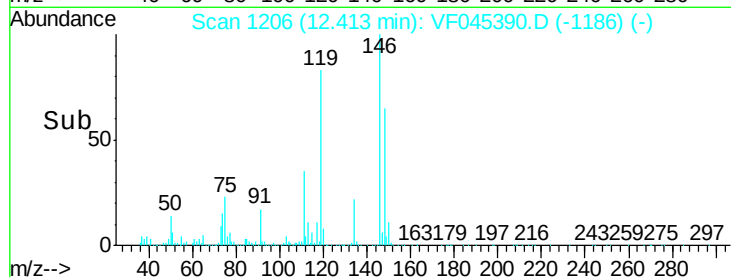
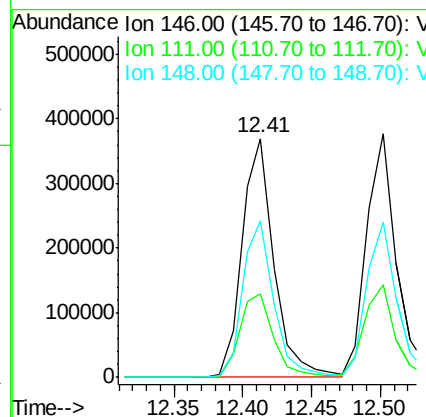
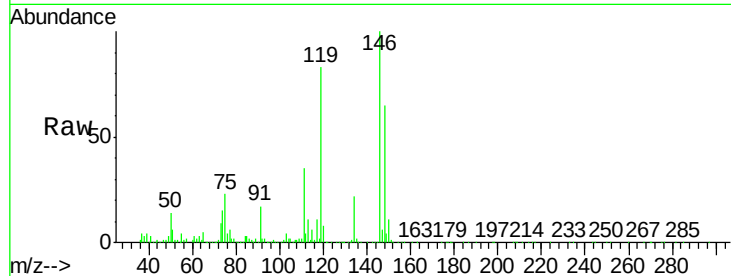




#86
 1,3-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

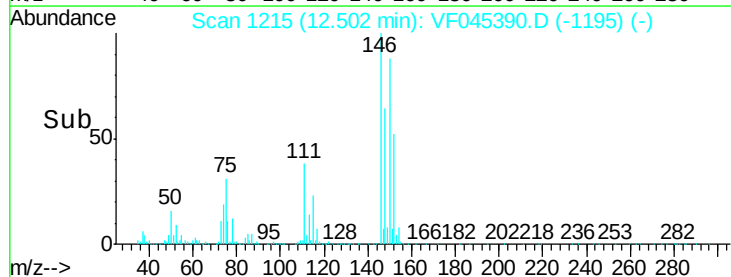
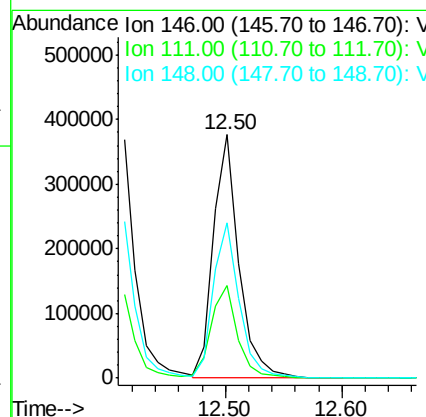
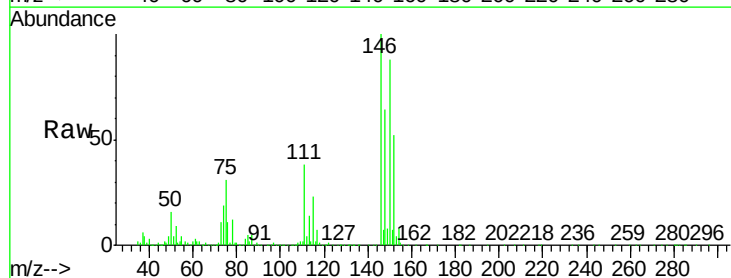
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

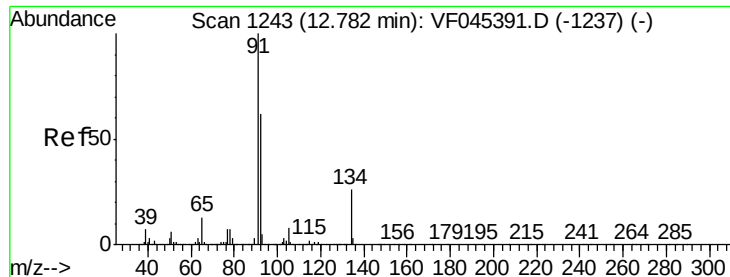
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	19.9	59.7
148	65.4	32.5	97.4



#87
 1,4-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	17.3	52.0
148	63.5	32.4	97.0

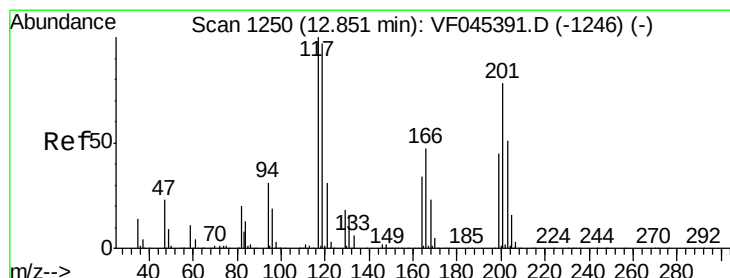
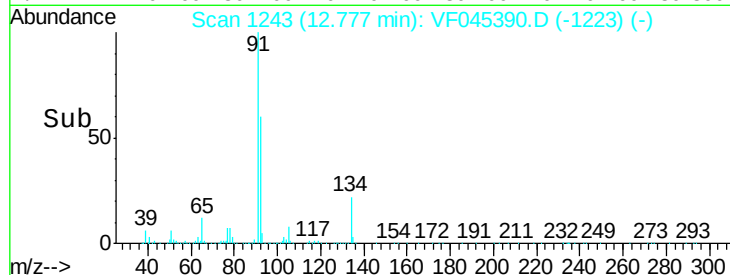
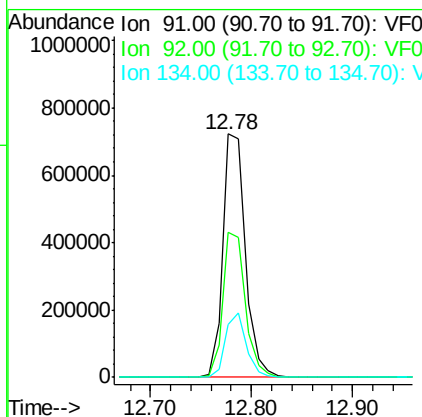
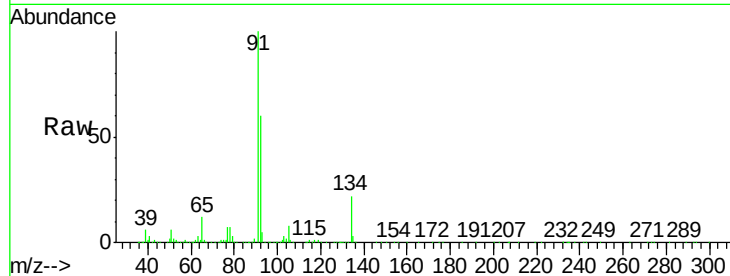




#88
n-Butylbenzene
Concen: 19.75 ug/l
RT: 12.78 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

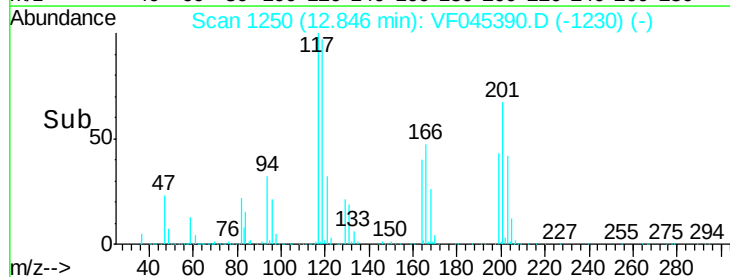
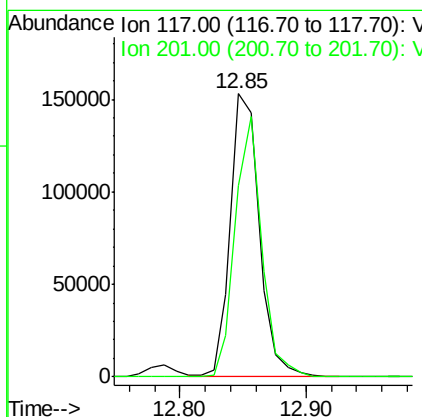
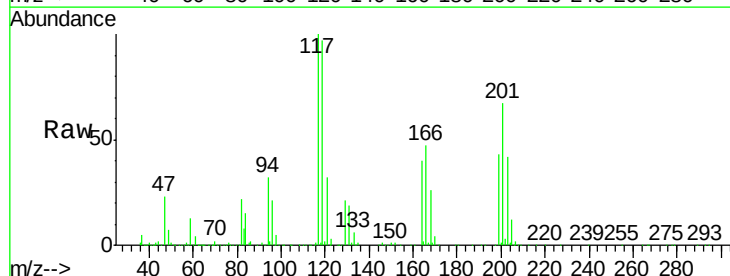
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

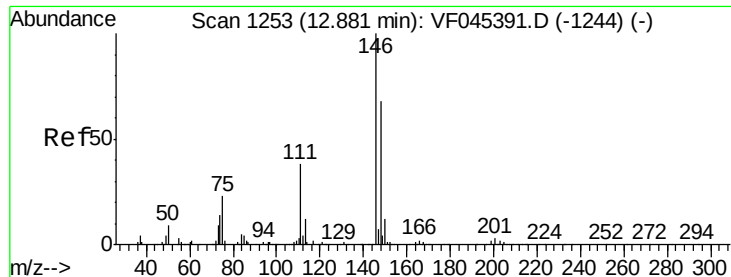
Tot Ion: 91 Resp: 1130611
Ion Ratio Lower Upper
91 100
92 59.6 30.1 90.5
134 21.6 13.8 41.4



#89
Hexachloroethane
Concen: 20.49 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion: 117 Resp: 243402
Ion Ratio Lower Upper
117 100
201 67.4 42.0 126.1

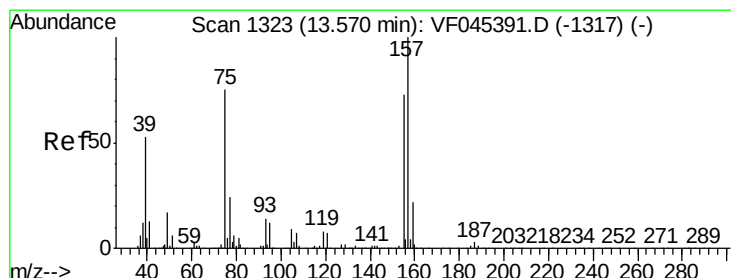
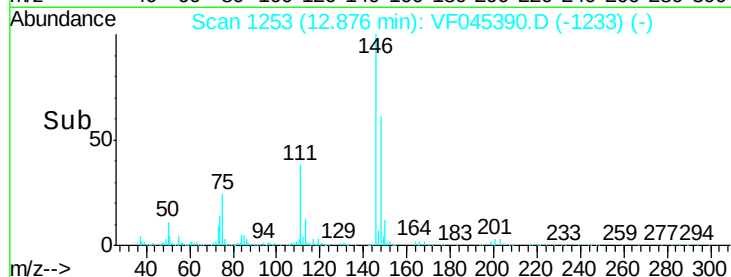
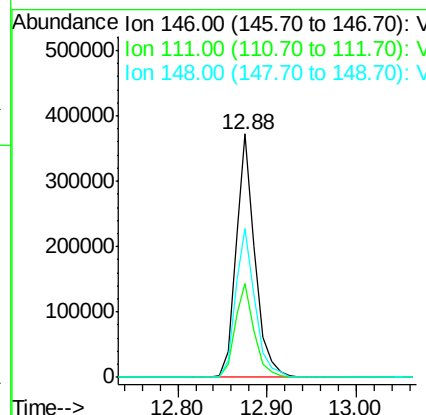
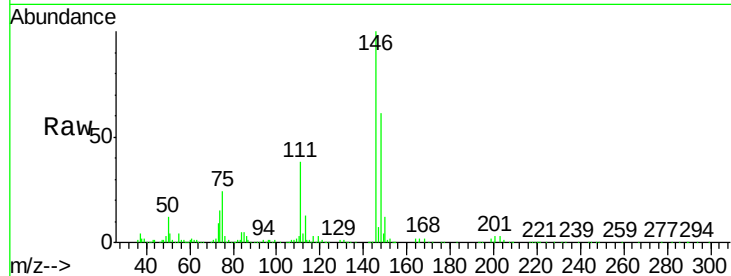




#90
 1,2-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

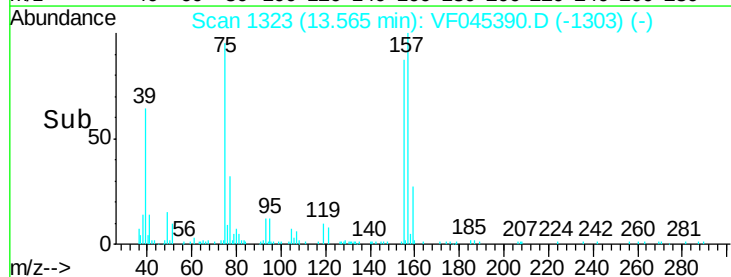
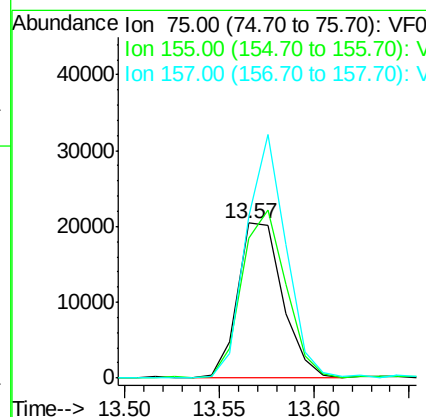
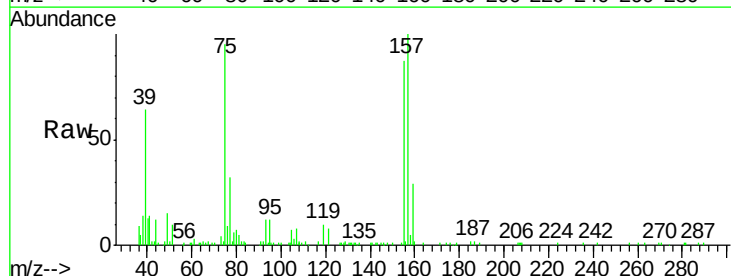
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

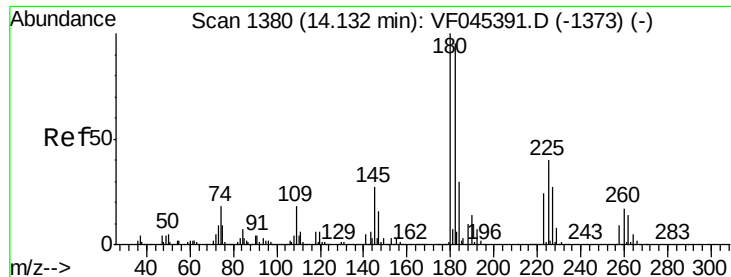
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	21.4	64.3
148	61.1	31.4	94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 17.74 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	49.2	147.6
157	104.8	66.8	200.4

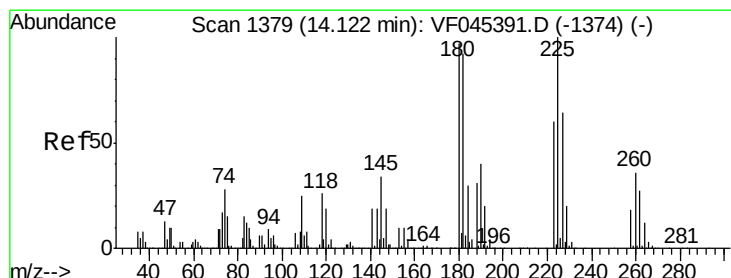
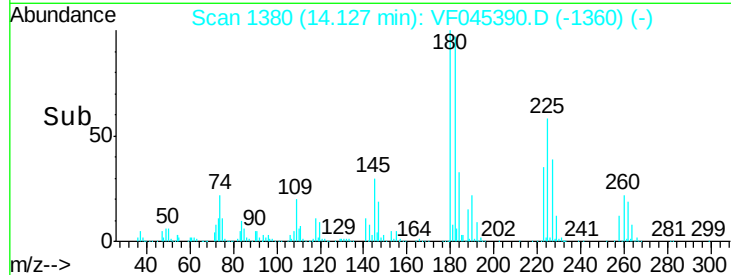
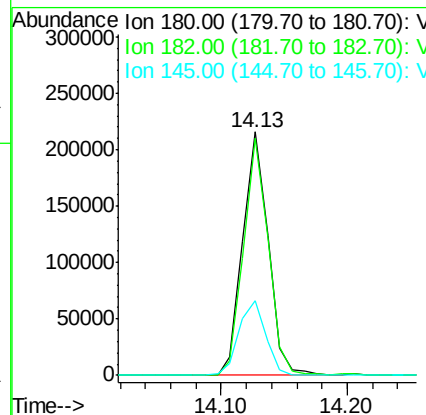
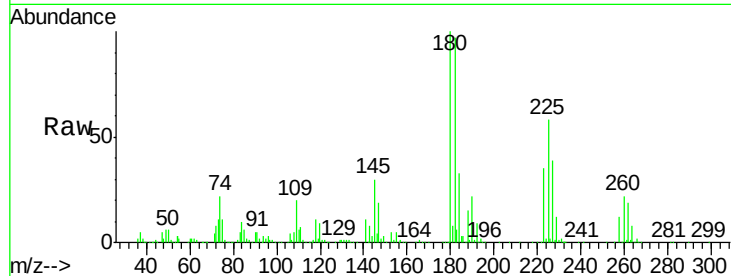




#92
 1,2,4-Trichlorobenzene
 Concen: 21.23 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

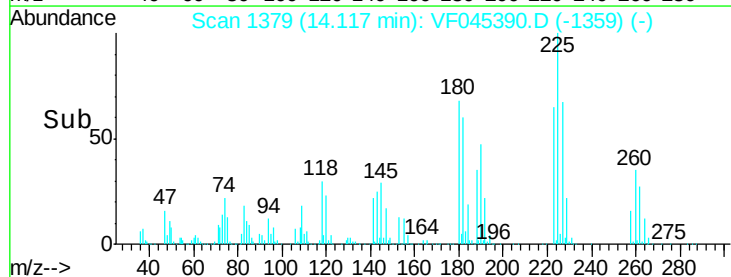
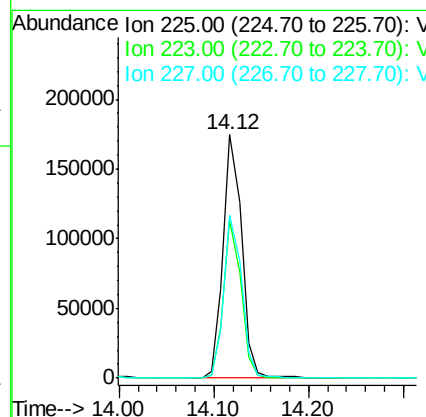
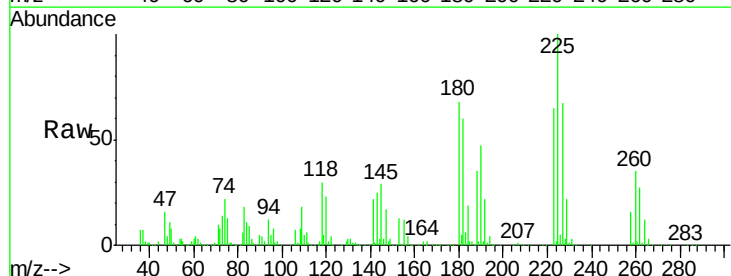
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

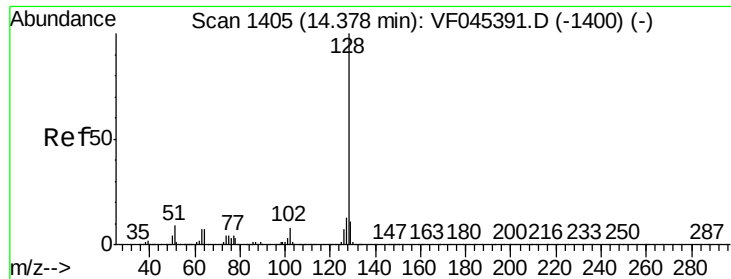
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	49.4	148.0
145	30.4	16.7	50.1



#93
 Hexachlorobutadiene
 Concen: 21.99 ug/l
 RT: 14.12 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.9	95.5
227	66.8	32.9	98.7





#94

Naphthalene

Concen: 20.53 ug/l

RT: 14.38 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

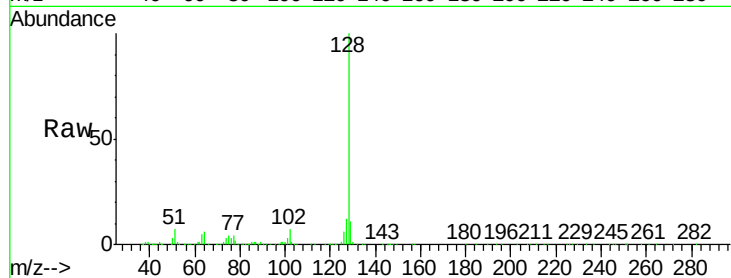
Tot Ion:128 Resp: 513838

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.8

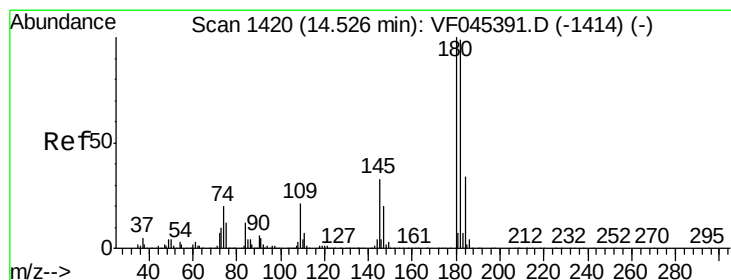
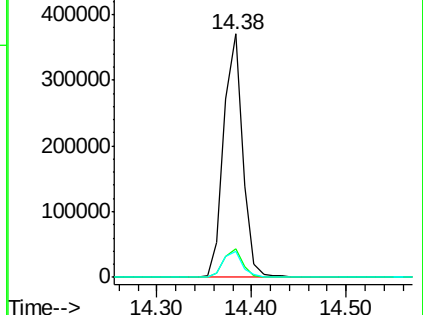
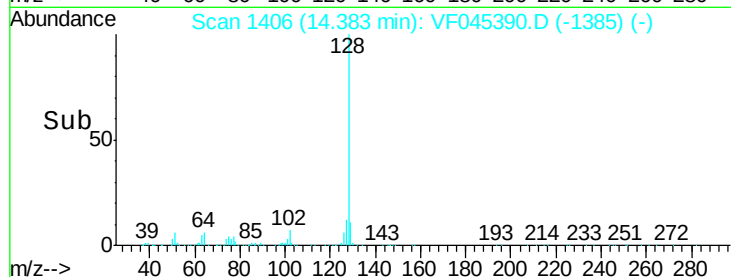
129 10.9 8.8 13.2



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: 20.74 ug/l

RT: 14.52 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

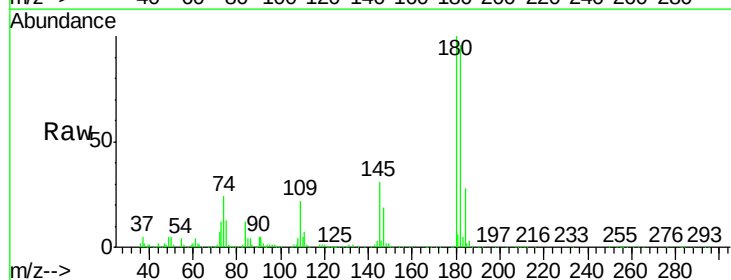
Tgt Ion:180 Resp: 237408

Ion Ratio Lower Upper

180 100

182 95.7 47.6 142.8

145 30.7 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

