

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045392.D
 Acq On : 16 Sep 2015 15:08
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Sep 16 15:37:47 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	4.81	168	1081131	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1564855	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1513596	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	841351	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	831981	72.87	ug/l	0.01
Spiked Amount	50.000		Recovery	=	145.74%	
34) Dibromofluoromethane	4.04	113	890867	74.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	148.56%	
49) Toluene-d8	7.50	98	2544665	70.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.32%	
61) 4-Bromofluorobenzene	11.35	95	1220236	74.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	694214	79.11	ug/l	97
3) Chloromethane	1.03	50	586040	60.79	ug/l	96
4) Vinyl Chloride	1.09	62	515564	69.33	ug/l	97
5) Bromomethane	1.25	94	314657	86.69	ug/l	100
6) Chloroethane	1.33	64	210094	85.10	ug/l	96
7) Trichlorofluoromethane	1.39	101	383890	31.73	ug/l	100
8) Diethyl Ether	1.60	74	223195	73.17	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.77	101	592535	76.41	ug/l	96
10) Methyl Iodide	1.80	142	1255742	82.50	ug/l	94
11) Tert butyl alcohol	2.51	59	41593	321.56	ug/l #	72
12) 1,1-Dichloroethene	1.71	96	503652	77.75	ug/l	97
13) Acrolein	1.95	56	209736	310.56	ug/l	96
14) Allyl chloride	2.05	41	824873	68.23	ug/l	99
15) Acrylonitrile	2.88	53	460578	293.61	ug/l	94
16) Acetone	2.19	43	1065456	381.76	ug/l	98
17) Carbon Disulfide	1.72	76	1722393	80.12	ug/l	99
18) Methyl Acetate	2.30	43	771401	60.24	ug/l	92
19) Methyl tert-butyl Ether	2.38	73	414952	81.95	ug/l	98
20) Methylene Chloride	2.14	84	543886	74.34	ug/l	86
21) trans-1,2-Dichloroethene	2.27	96	577597	76.98	ug/l	98
22) Diisopropyl ether	2.75	45	1672065	63.23	ug/l	99
23) Vinyl Acetate	3.12	43	2455618	304.28	ug/l	99
24) 1,1-Dichloroethane	2.82	63	1170803	74.33	ug/l	99
25) 2-Butanone	4.26	43	1358561	283.84	ug/l	96
26) 2,2-Dichloropropane	3.54	77	1020454	74.53	ug/l	99
27) cis-1,2-Dichloroethene	3.41	96	839865	70.83	ug/l	98
28) Bromochloromethane	3.65	49	426700	51.76	ug/l #	93
29) Chloroform	3.78	83	1614643	77.33	ug/l	99
30) Cyclohexane	3.64	56	1012725	61.52	ug/l	98
31) 1,1,1-Trichloroethane	4.03	97	1314885	81.24	ug/l	98
35) 1,1-Dichloropropene	4.22	75	1147199	77.01	ug/l	97
36) Ethyl Acetate	4.04	43	562656	62.90	ug/l #	53
37) Carbon Tetrachloride	3.93	117	1249399	97.62	ug/l	100
38) Methylcyclohexane	5.40	83	1179676	73.32	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	2703611	72.38	ug/l	100
40) Methacrylonitrile	4.67	41	262306	61.90	ug/l	94
41) 1,2-Dichloroethane	4.88	62	1100310	87.70	ug/l	93
42) Isopropyl Acetate	6.91	43	766848	63.39	ug/l #	99
43) Trichloroethene	5.45	130	897335	83.65	ug/l	93
44) 1,2-Dichloropropane	6.18	63	792788	70.49	ug/l	99
45) Dibromomethane	6.02	93	570712	81.61	ug/l	92
46) Bromodichloromethane	6.32	83	1294002	87.40	ug/l	95
47) Methyl methacrylate	6.66	41	478623	67.83	ug/l	88
48) 1,4-Dioxane	6.64	88	114807	1599.03	ug/l	96
50) 4-Methyl-2-Pentanone	8.20	43	2652910	304.45	ug/l	99
51) Toluene	7.57	92	1944265	75.97	ug/l	92
52) t-1,3-Dichloropropene	8.22	75	1151413	81.06	ug/l	97
53) cis-1,3-Dichloropropene	7.24	75	1346312	77.57	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	710488	80.10	ug/l	97
55) Ethyl methacrylate	8.56	69	926838	75.01	ug/l	97
56) 1,3-Dichloropropane	8.79	76	1121808	73.05	ug/l	100
58) 2-Hexanone	9.43	43	2004027	290.09	ug/l	97
59) Dibromochloromethane	8.65	129	1012907	90.50	ug/l	98
60) 1,2-Dibromoethane	8.92	107	824545	82.61	ug/l	96
63) Tetrachloroethene	8.10	164	902530	87.08	ug/l	98
64) Chlorobenzene	9.73	112	2384076	76.69	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	904837	84.75	ug/l	98
66) Ethyl Benzene	9.83	91	4000240	72.46	ug/l	97
67) m/p-Xylenes	10.07	106	2871058	150.03	ug/l	93
68) o-Xylene	10.65	106	1557452	77.71	ug/l	96
69) Styrene	10.73	104	2582402	80.36	ug/l	97
70) Bromoform	10.71	173	705421	93.32	ug/l	98
72) Isopropylbenzene	11.07	105	4161681	67.58	ug/l	93
73) N-amyl acetate	11.32	43	1209321	56.82	ug/l #	92
74) 1,1,2,2-Tetrachloroethane	11.63	83	941176	63.66	ug/l	99
75) 1,2,3-Trichloropropane	11.73	75	675351	63.46	ug/l	98
76) Bromobenzene	11.44	156	1231054	77.66	ug/l	90
77) n-propylbenzene	11.55	91	5071057	64.22	ug/l	94
78) 2-Chlorotoluene	11.66	91	2922844	66.65	ug/l	97
79) 1,3,5-Trimethylbenzene	11.77	105	3429037	69.56	ug/l	96
80) trans-1,4-Dichloro-2-buten	11.81	75	478176	92.06	ug/l	97
81) 4-Chlorotoluene	11.84	91	3244952	69.02	ug/l	94
82) tert-Butylbenzene	12.08	119	3335524	69.98	ug/l	94
83) 1,2,4-Trimethylbenzene	12.15	105	3510586	70.43	ug/l	98
84) sec-Butylbenzene	12.25	105	4591189	70.01	ug/l	98
85) p-Isopropyltoluene	12.40	119	3564680	72.09	ug/l	95
86) 1,3-Dichlorobenzene	12.41	146	2022677	76.33	ug/l	98
87) 1,4-Dichlorobenzene	12.50	146	2012640	76.07	ug/l	96
88) n-Butylbenzene	12.79	91	3662473	69.59	ug/l	95
89) Hexachloroethane	12.86	117	905406	82.88	ug/l	100
90) 1,2-Dichlorobenzene	12.88	146	1945983	80.63	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.57	75	144348	82.68	ug/l	97
92) 1,2,4-Trichlorobenzene	14.13	180	1203854	92.25	ug/l	97
93) Hexachlorobutadiene	14.13	225	881045	87.86	ug/l	98

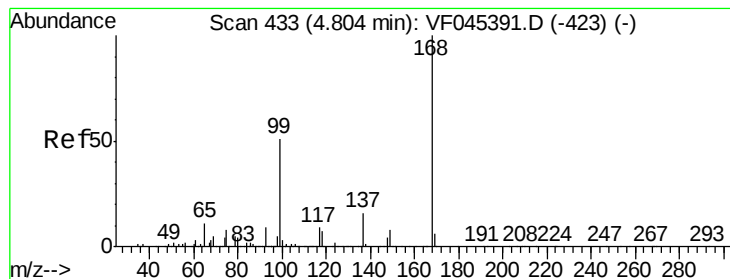
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QLast Update : Wed Sep 16 15:28:50 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	2174279	94.50	ug/l	100
95) 1,2,3-Trichlorobenzene	14.53	180	1034370	98.28	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

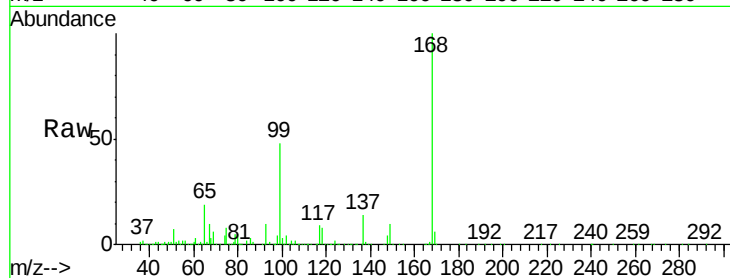
VSTDIC075

Tot Ion:168 Resp: 1081131

Ion Ratio Lower Upper

168 100

99 47.9 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.81

400000

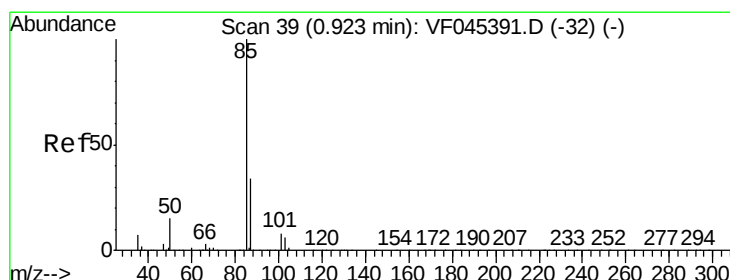
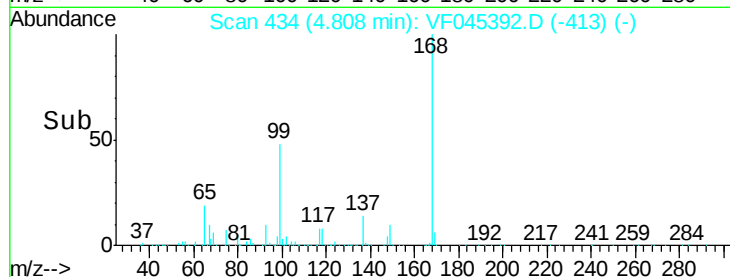
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 79.11 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045392.D

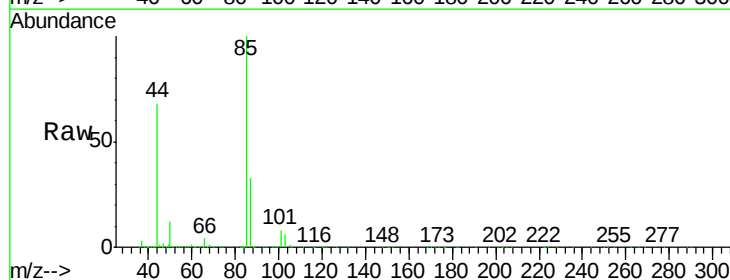
Acq: 16 Sep 2015 15:08

Tgt Ion: 85 Resp: 694214

Ion Ratio Lower Upper

85 100

87 32.5 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

250000

200000

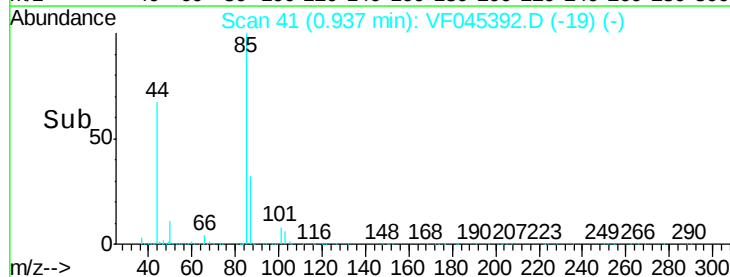
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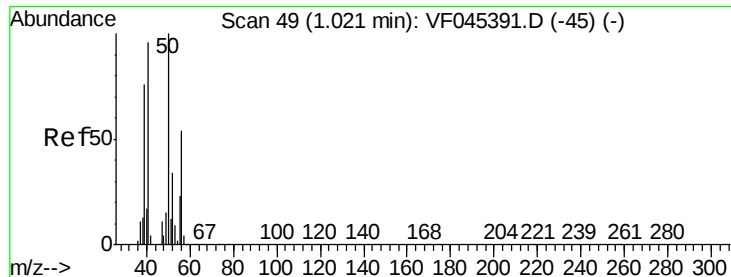
100000

50000

0

Time-->





#3

Chloromethane

Concen: 60.79 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

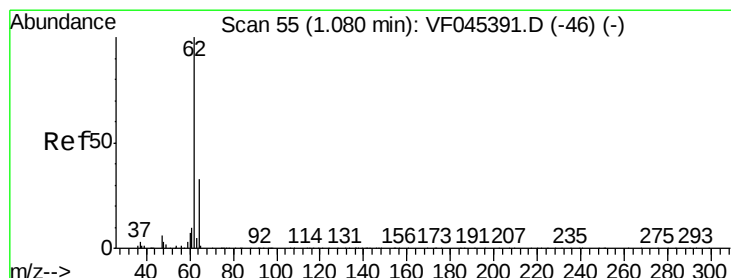
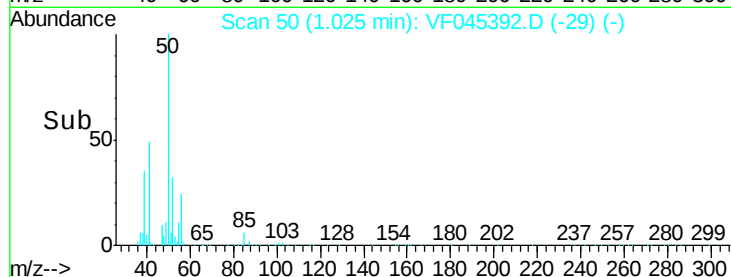
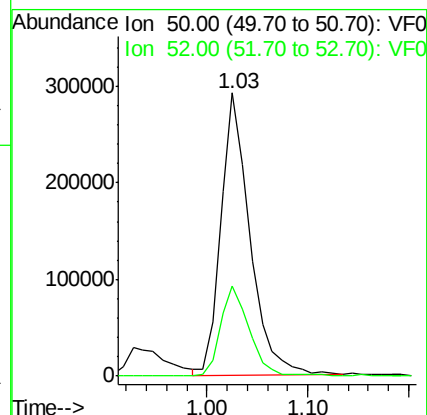
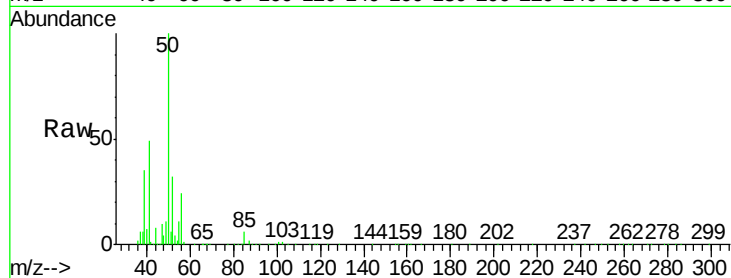
VSTDIC075

Tot Ion: 50 Resp: 586040

Ion Ratio Lower Upper

50 100

52 31.8 23.8 35.8



#4

Vinyl Chloride

Concen: 69.33 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF045392.D

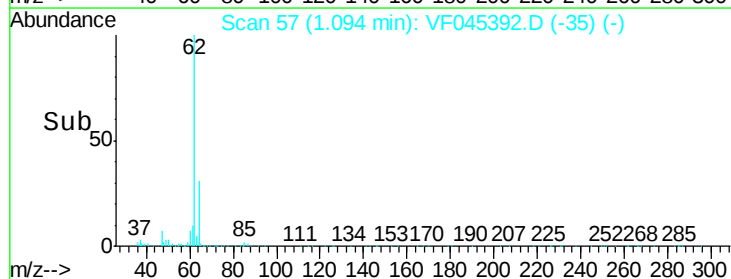
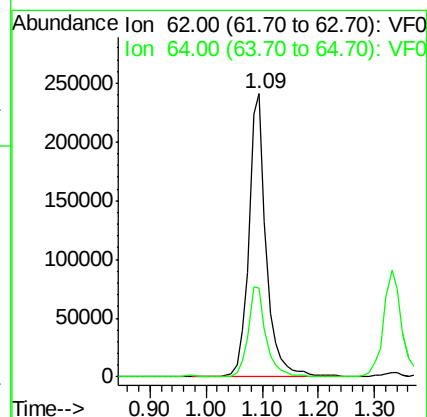
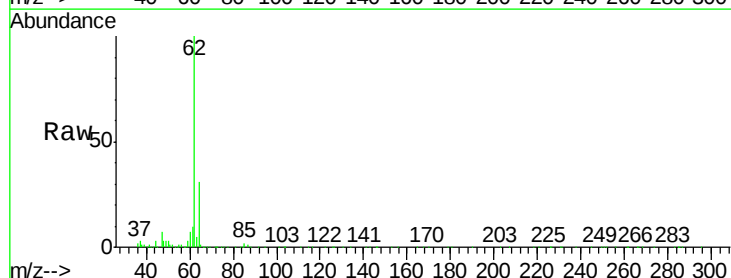
Acq: 16 Sep 2015 15:08

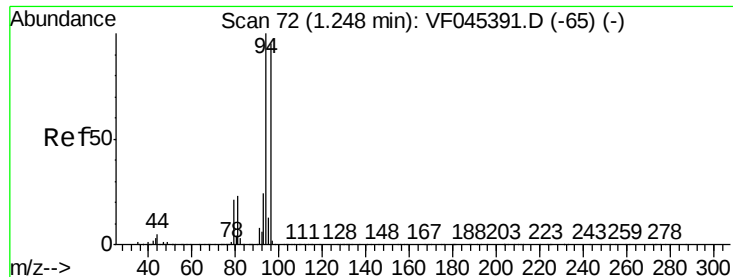
Tgt Ion: 62 Resp: 515564

Ion Ratio Lower Upper

62 100

64 31.5 26.6 39.8





#5

Bromomethane

Concen: 86.69 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

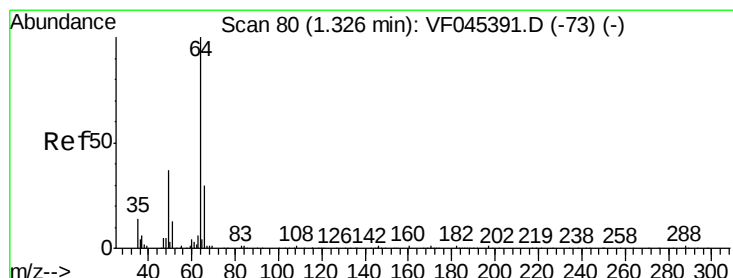
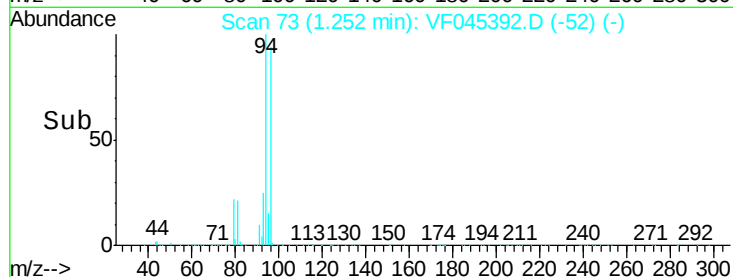
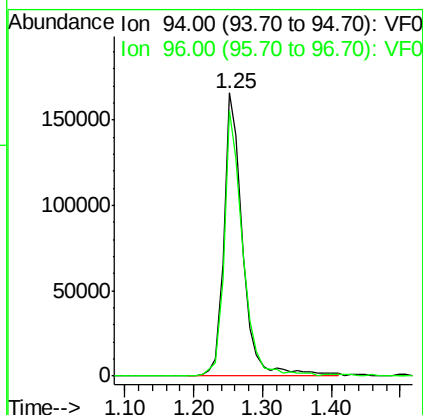
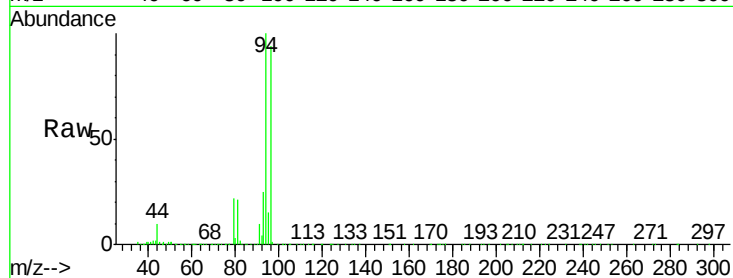
VSTDIC075

Tot Ion: 94 Resp: 314657

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.4



#6

Chloroethane

Concen: 85.10 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF045392.D

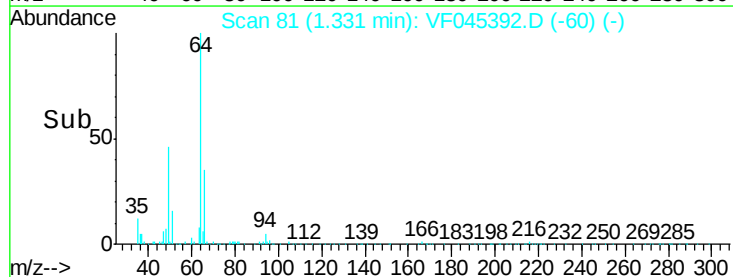
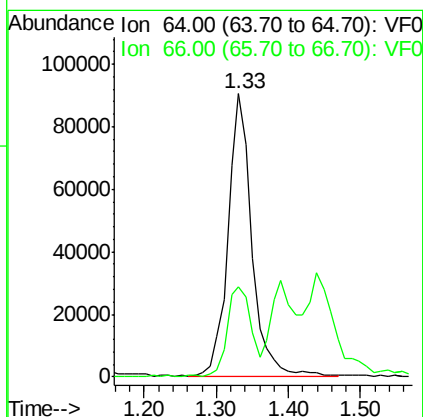
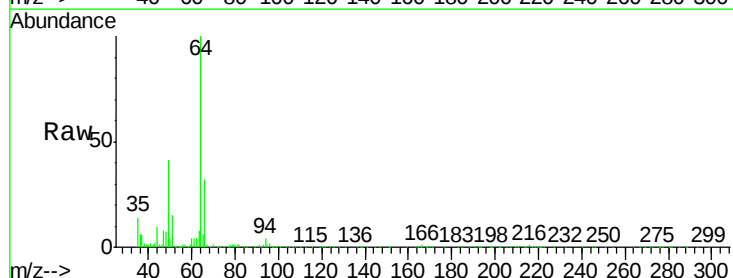
Acq: 16 Sep 2015 15:08

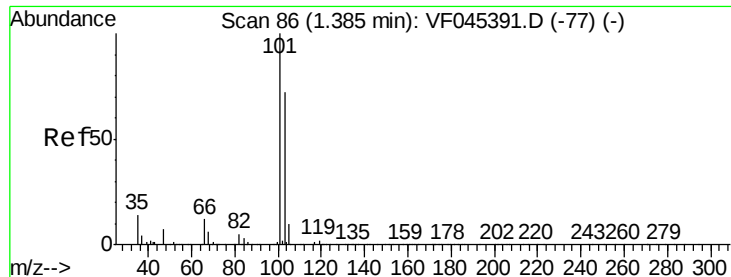
Tgt Ion: 64 Resp: 210094

Ion Ratio Lower Upper

64 100

66 31.8 27.3 40.9





#7

Trichlorofluoromethane

Concen: 31.73 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

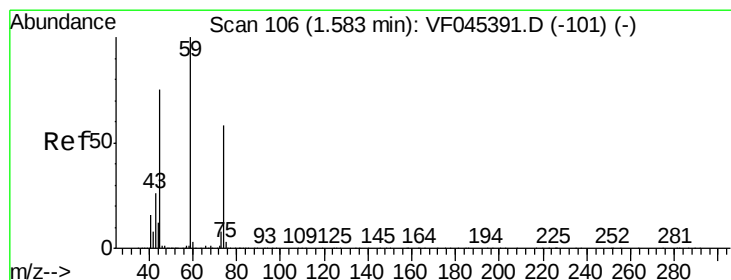
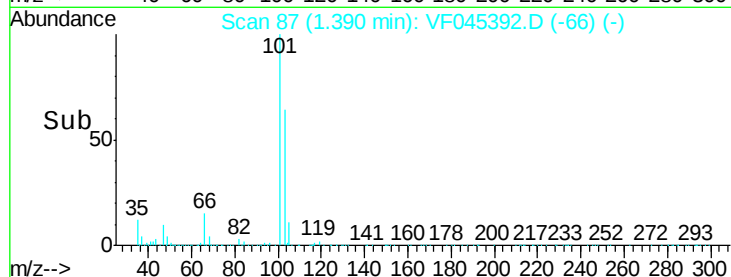
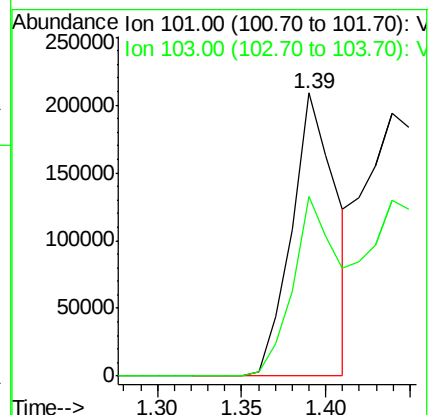
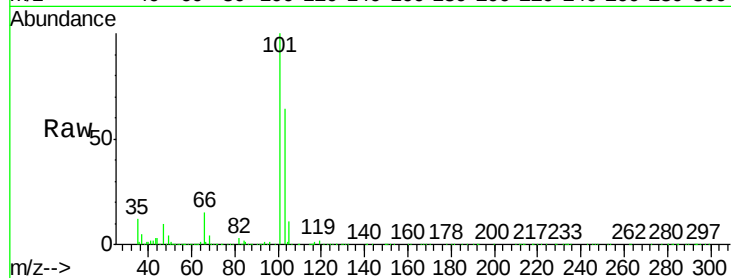
VSTDIC075

Tot Ion:101 Resp: 383890

Ion Ratio Lower Upper

101 100

103 63.6 50.8 76.2



#8

Diethyl Ether

Concen: 73.17 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF045392.D

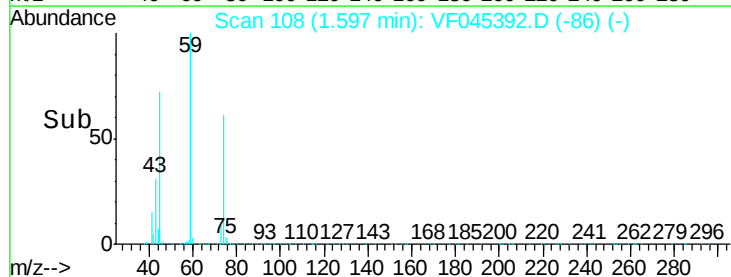
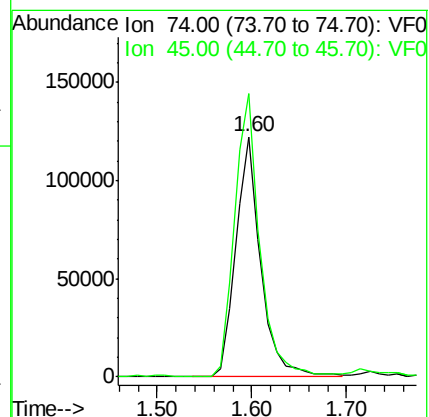
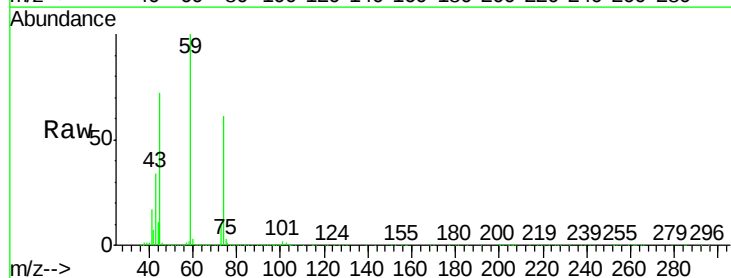
Acq: 16 Sep 2015 15:08

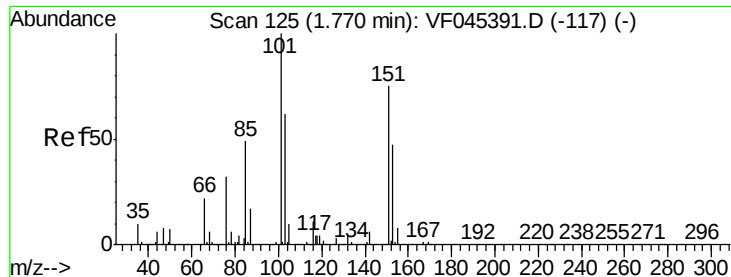
Tgt Ion: 74 Resp: 223195

Ion Ratio Lower Upper

74 100

45 118.0 60.9 182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 76.41 ug/l

RT: 1.77 min Scan# 126

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

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MSVOA_F

ClientSampleId :

VSTDIC075

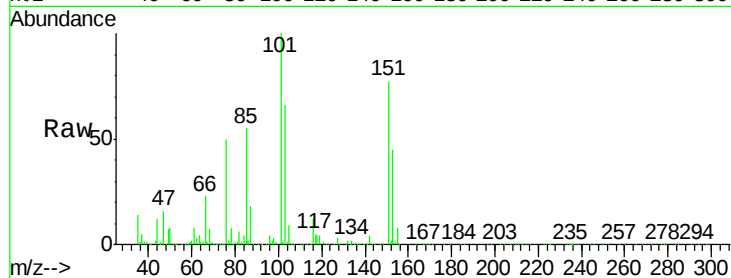
Tot Ion:101 Resp: 592535

Ion Ratio Lower Upper

101 100

85 55.0 40.0 60.0

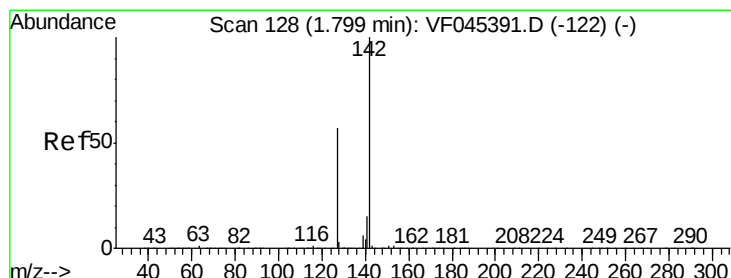
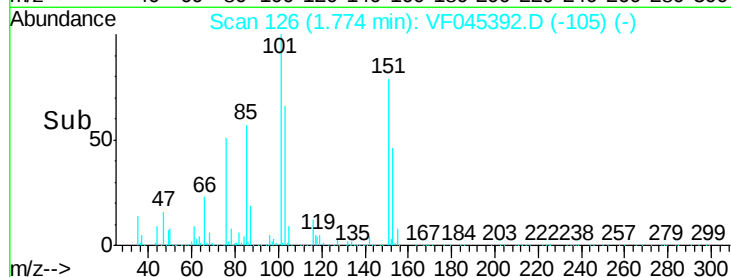
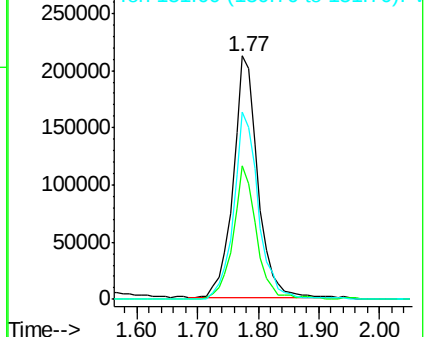
151 77.0 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 82.50 ug/l

RT: 1.80 min Scan# 129

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

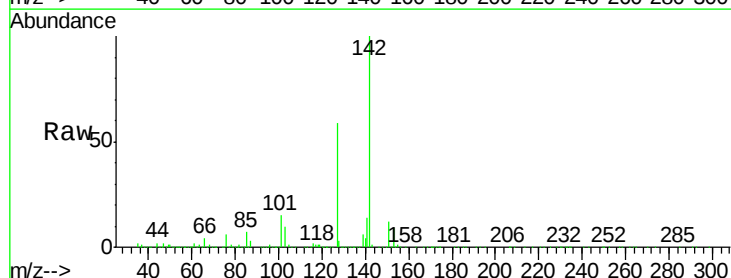
Tgt Ion:142 Resp: 1255742

Ion Ratio Lower Upper

142 100

127 59.2 43.3 64.9

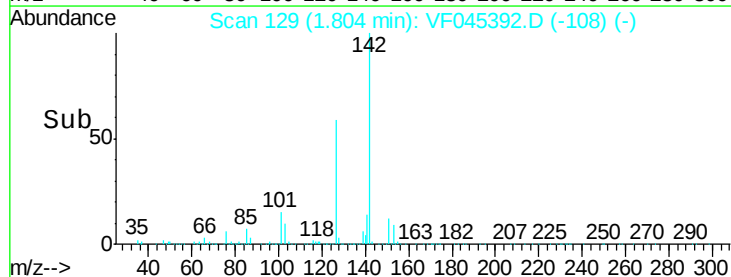
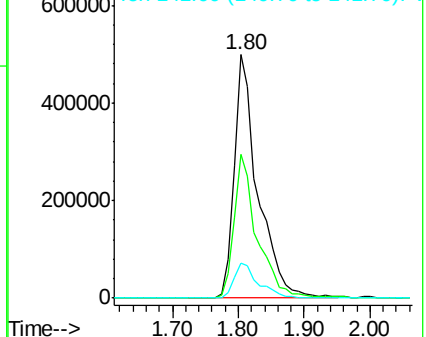
141 14.4 12.1 18.1

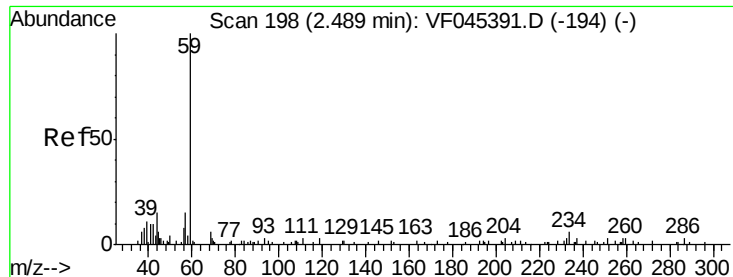


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



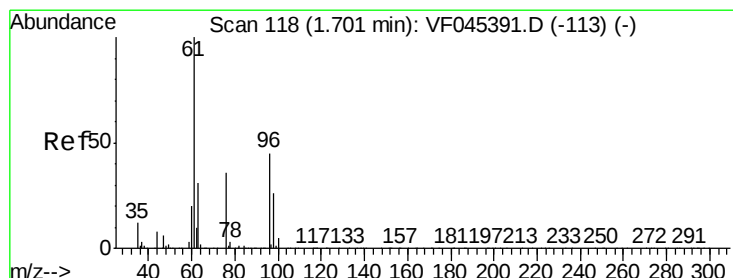
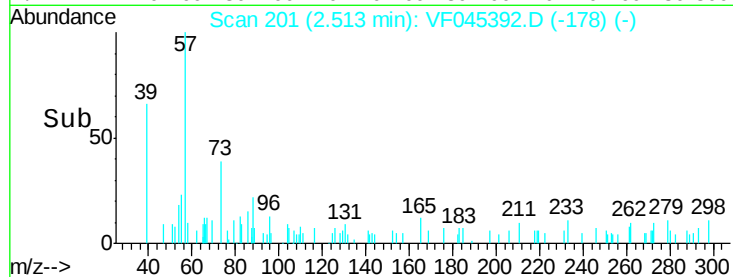
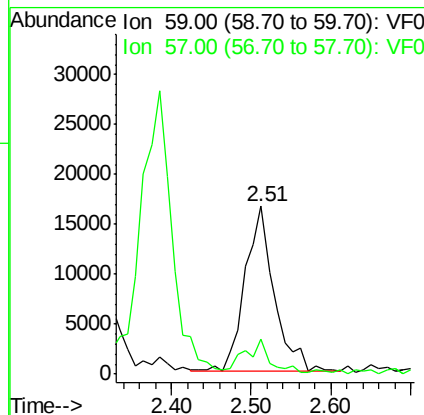
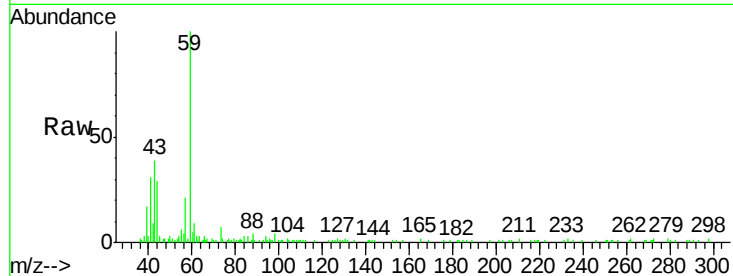


#11

Tert butyl alcohol
 Concen: 321.56 ug/l
 RT: 2.51 min Scan# 201
 Delta R.T. 0.02 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

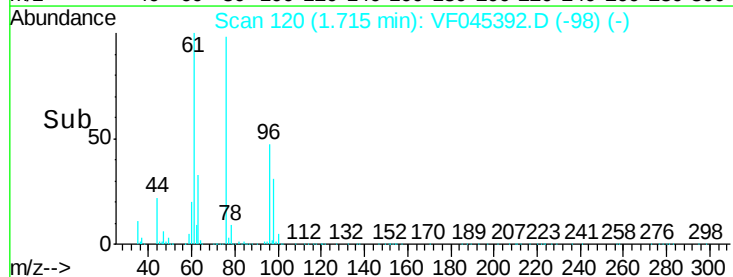
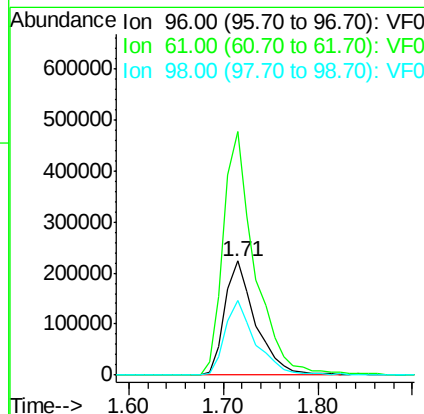
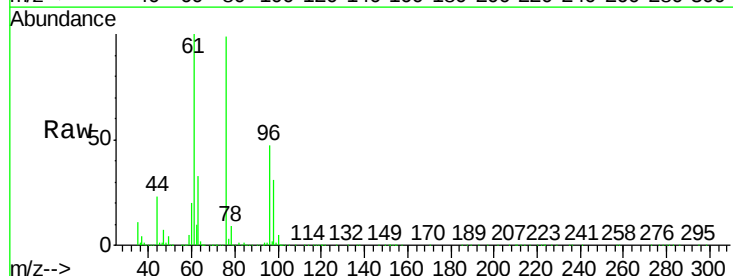
Tot Ion: 59 Resp: 41593
 Ion Ratio Lower Upper
 59 100
 57 21.2 8.6 13.0#

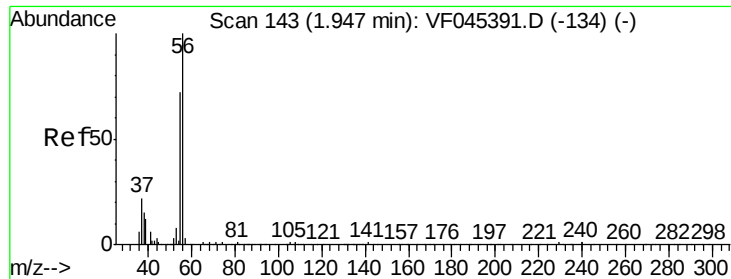


#12

1,1-Dichloroethene
 Concen: 77.75 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion: 96 Resp: 503652
 Ion Ratio Lower Upper
 96 100
 61 213.4 165.8 248.8
 98 65.2 51.2 76.8

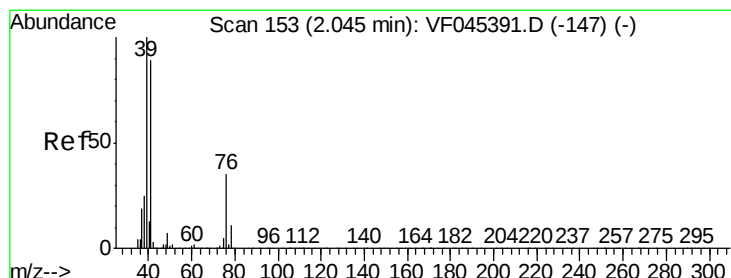
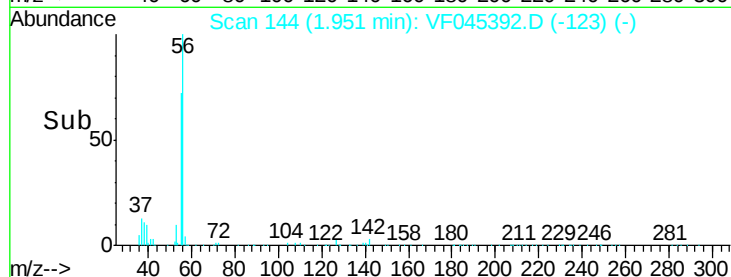
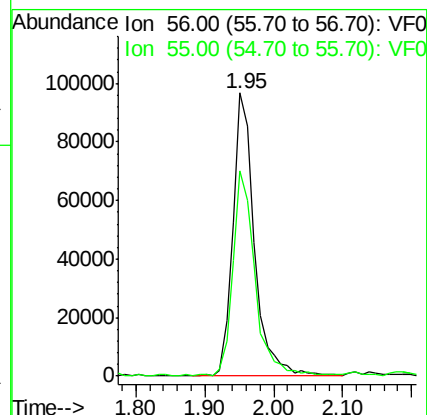
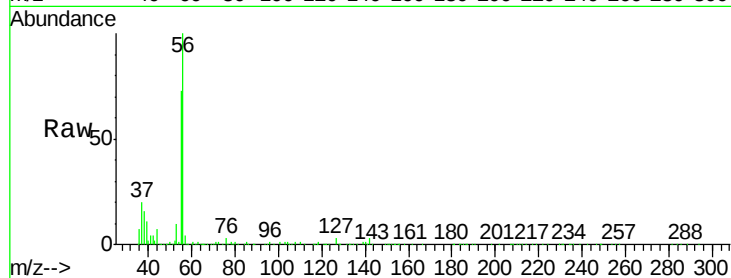




#13
Acrolein
Concen: 310.56 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

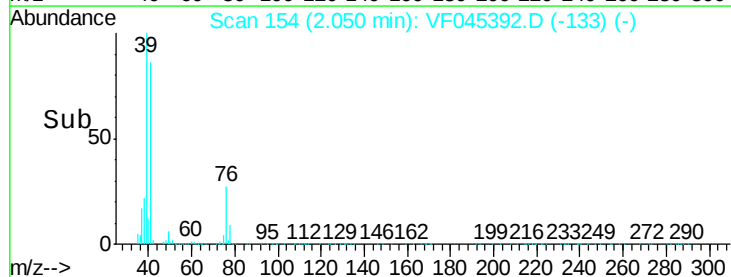
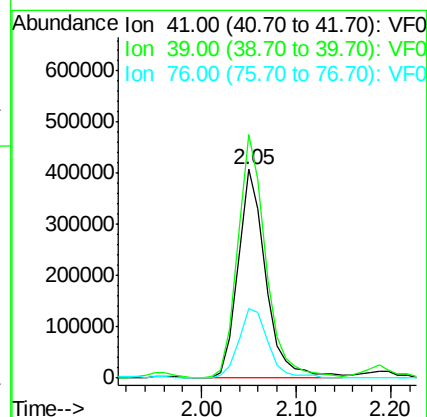
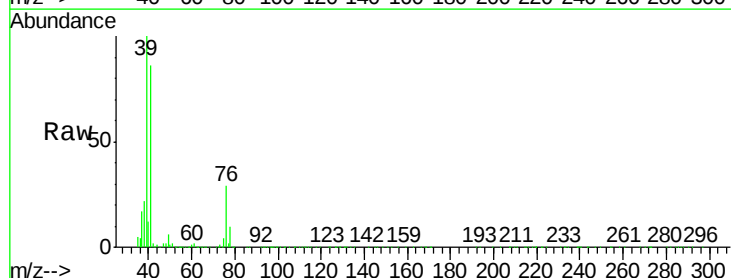
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

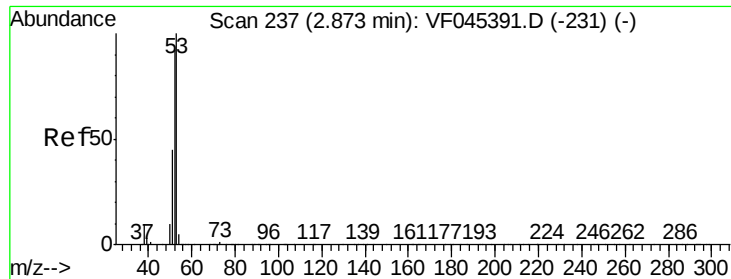
Tot Ion: 56 Resp: 209736
Ion Ratio Lower Upper
56 100
55 72.5 60.5 90.7



#14
Allyl chloride
Concen: 68.23 ug/l
RT: 2.05 min Scan# 154
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion: 41 Resp: 824873
Ion Ratio Lower Upper
41 100
39 116.8 92.8 139.2
76 33.7 27.7 41.5





#15

Acrylonitrile

Concen: 293.61 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

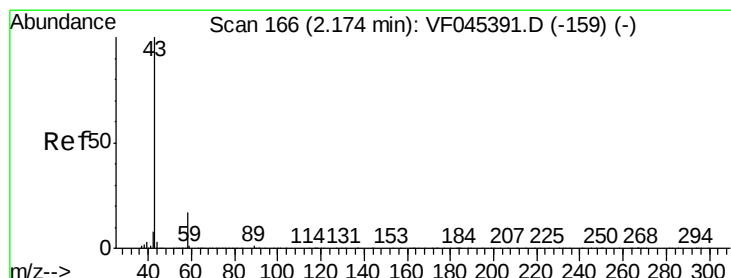
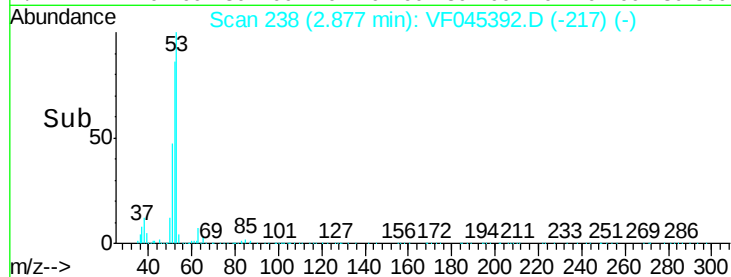
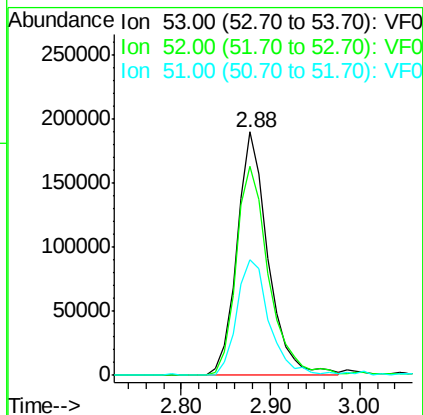
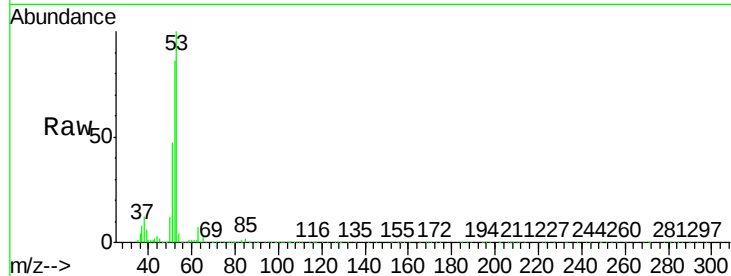
Tot Ion: 53 Resp: 460578

Ion Ratio Lower Upper

53 100

52 85.8 72.7 109.1

51 47.5 42.2 63.2



#16

Acetone

Concen: 381.76 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF045392.D

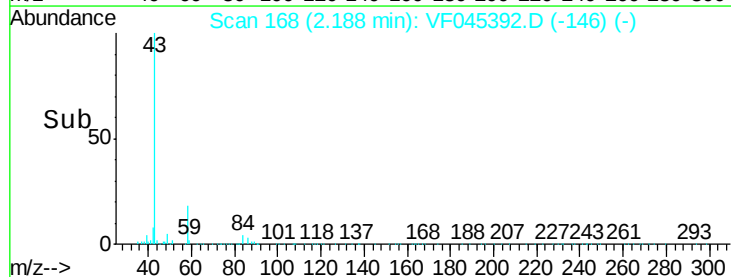
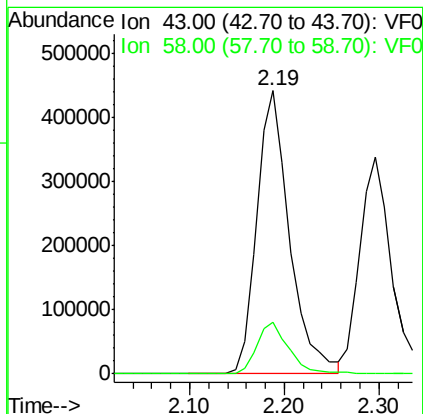
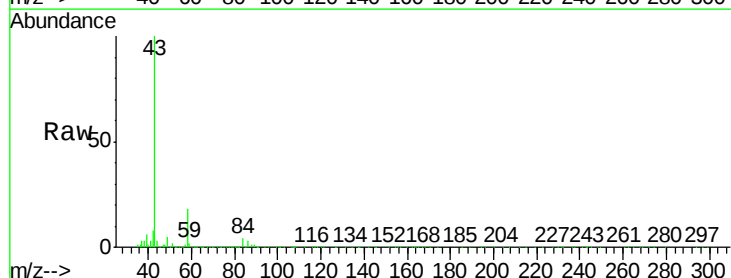
Acq: 16 Sep 2015 15:08

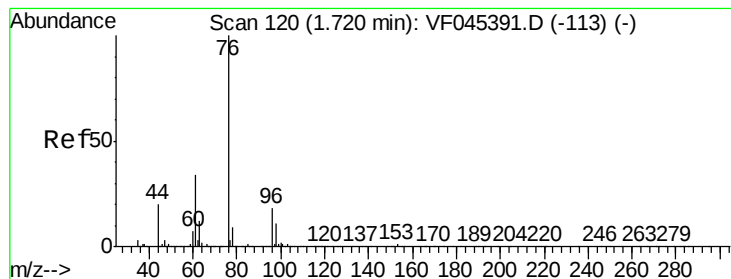
Tgt Ion: 43 Resp: 1065456

Ion Ratio Lower Upper

43 100

58 18.1 13.9 20.9





#17

Carbon Disulfide

Concen: 80.12 ug/l

RT: 1.72 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

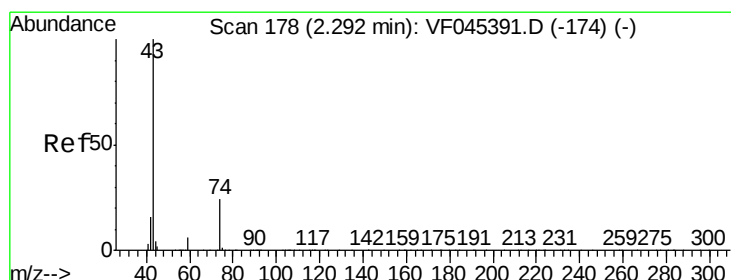
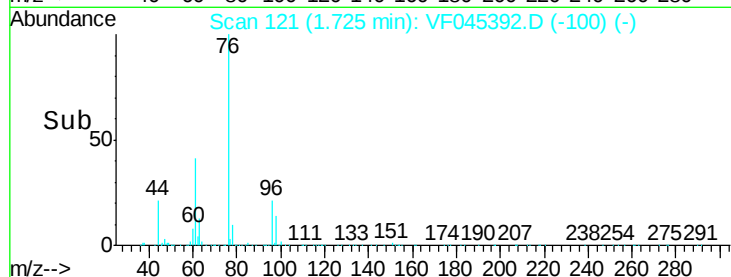
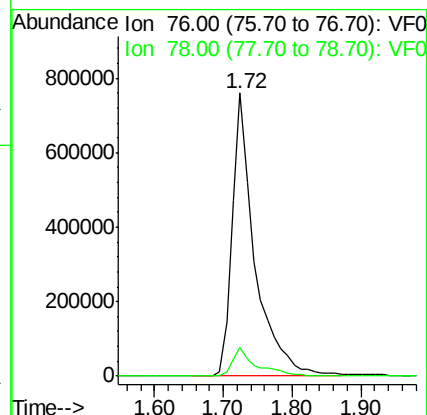
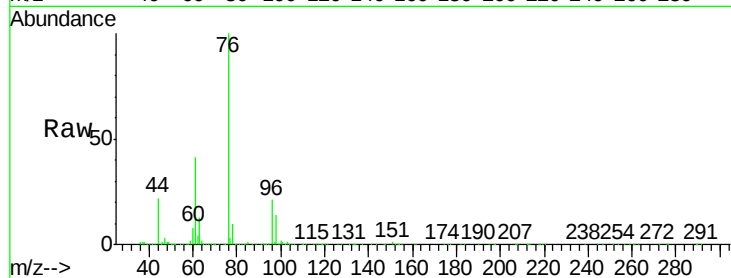
VSTDIC075

Tot Ion: 76 Resp: 1722393

Ion Ratio Lower Upper

76 100

78 9.9 7.6 11.4



#18

Methyl Acetate

Concen: 60.24 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF045392.D

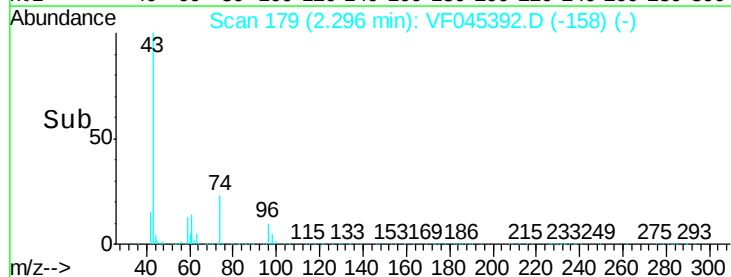
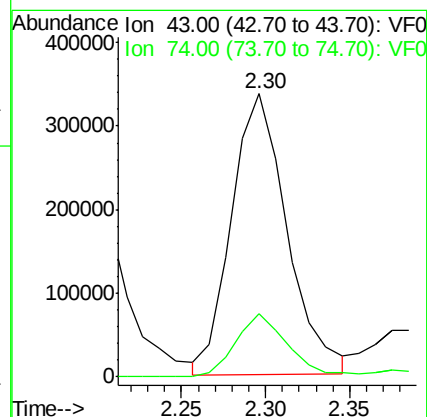
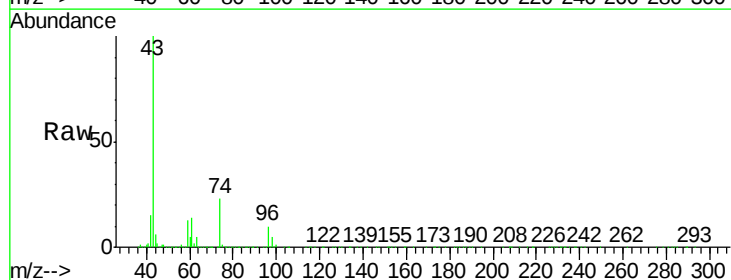
Acq: 16 Sep 2015 15:08

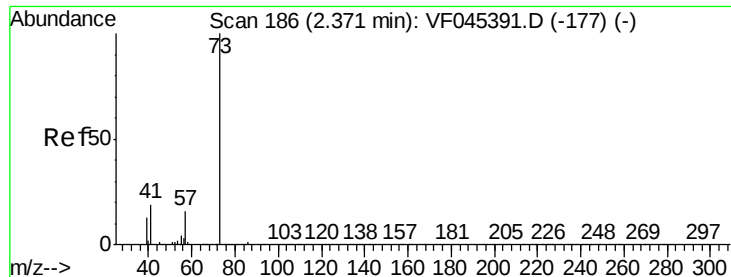
Tgt Ion: 43 Resp: 771401

Ion Ratio Lower Upper

43 100

74 22.5 15.1 22.7



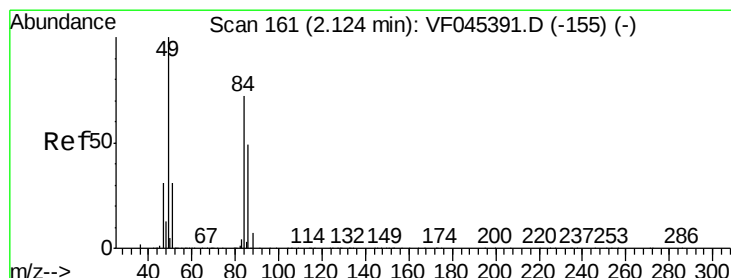
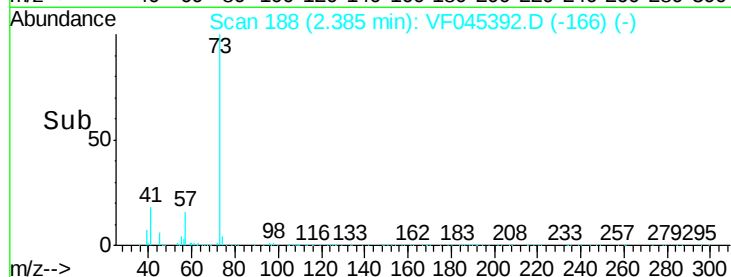
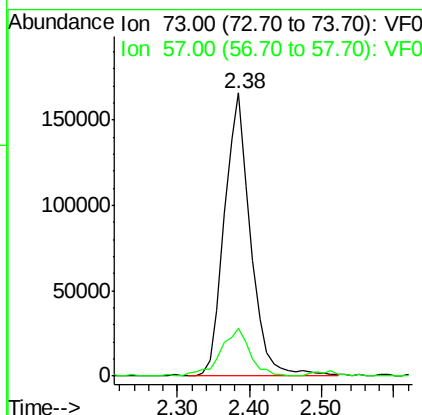
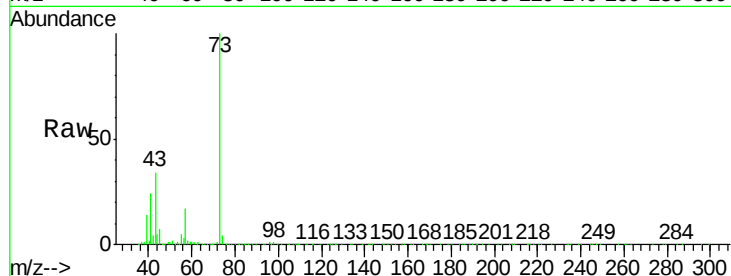


#19

Methyl tert-butyl Ether
 Concen: 81.95 ug/l
 RT: 2.38 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

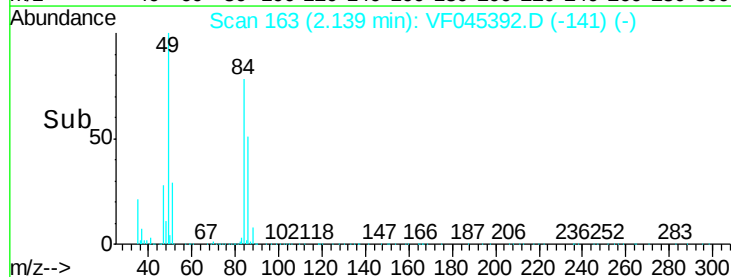
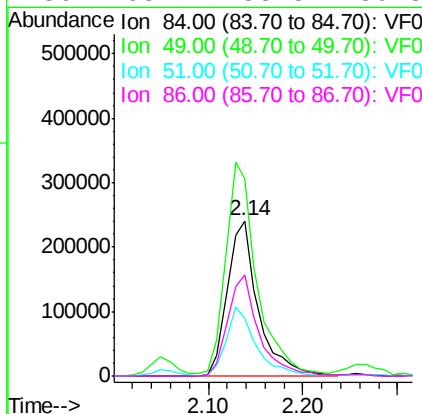
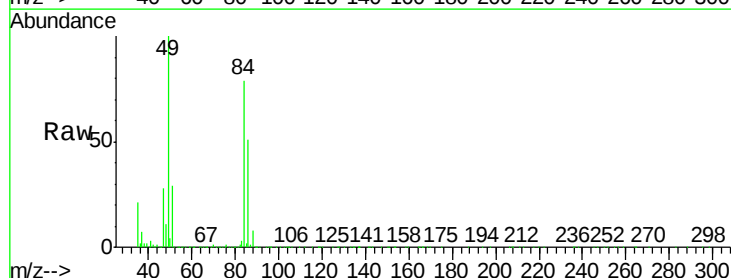
Tot Ion: 73 Resp: 414952
 Ion Ratio Lower Upper
 73 100
 57 17.1 12.9 19.3

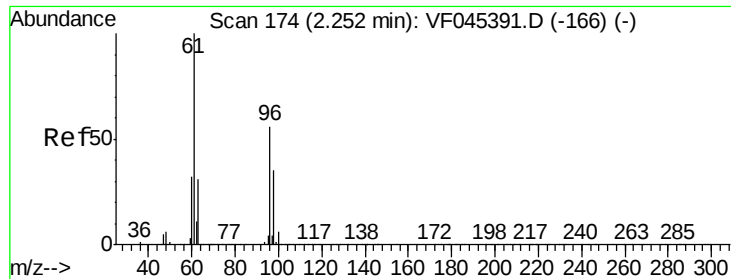


#20

Methylene Chloride
 Concen: 74.34 ug/l
 RT: 2.14 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion: 84 Resp: 543886
 Ion Ratio Lower Upper
 84 100
 49 127.3 122.8 184.2
 51 37.4 35.4 53.2
 86 65.2 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 76.98 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

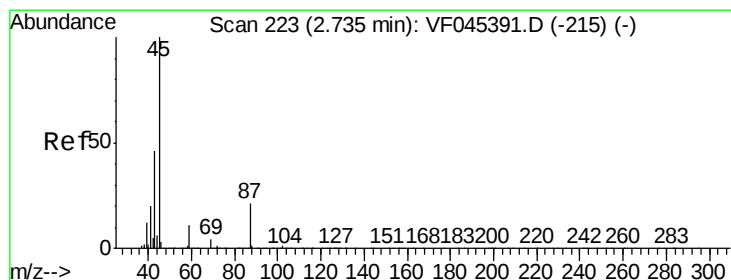
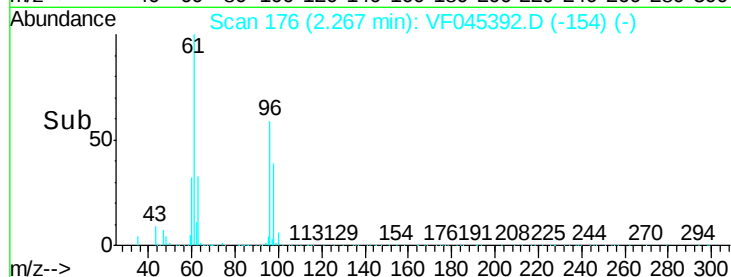
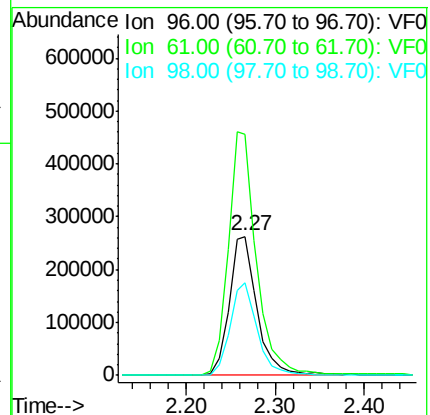
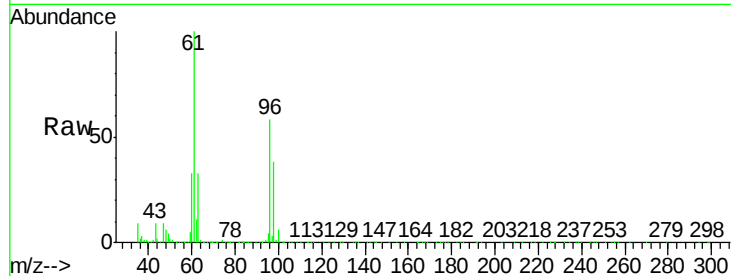
Tot Ion: 96 Resp: 577597

Ion Ratio Lower Upper

96 100

61 173.2 136.8 205.2

98 66.2 51.0 76.4



#22

Diisopropyl ether

Concen: 63.23 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion: 45 Resp: 1672065

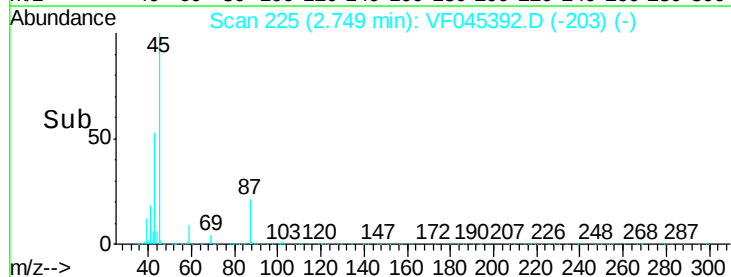
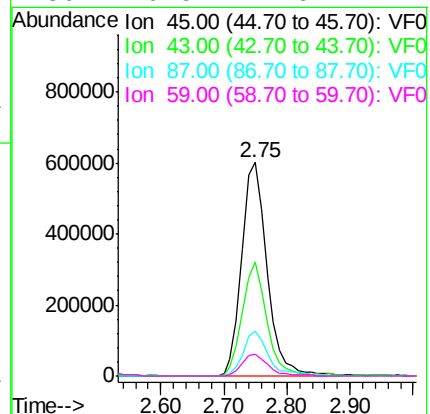
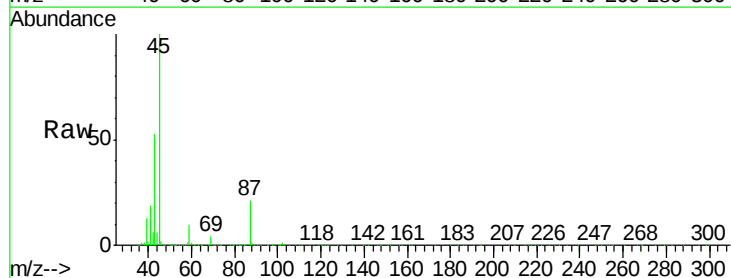
Ion Ratio Lower Upper

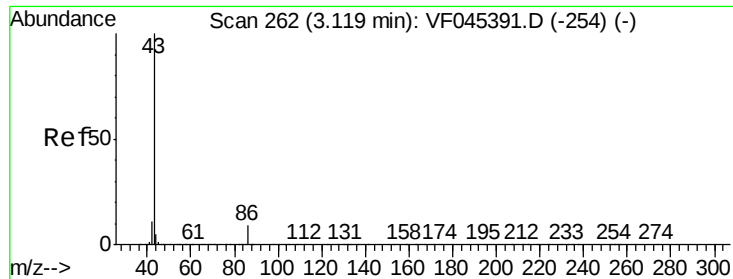
45 100

43 53.1 42.2 63.4

87 21.0 16.6 25.0

59 10.5 7.6 11.4





#23

Vinyl Acetate

Concen: 304.28 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

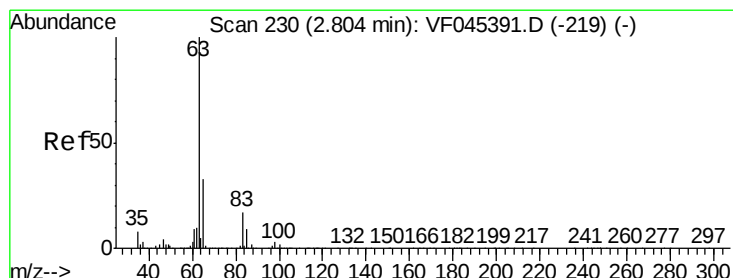
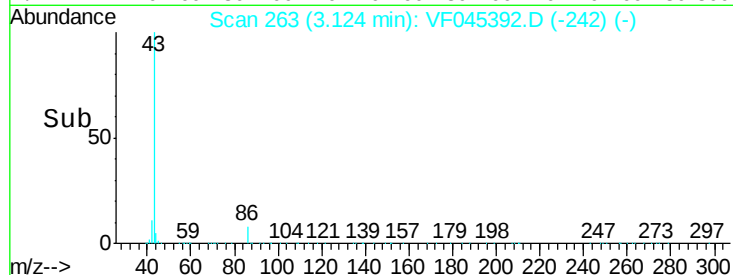
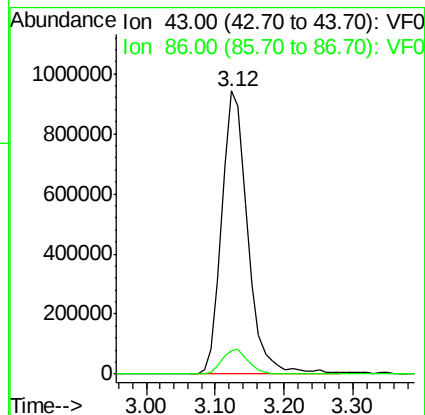
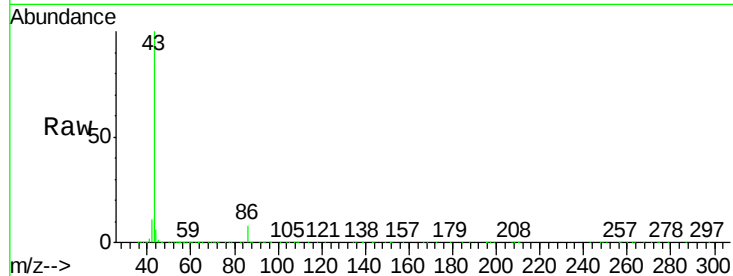
VSTDIC075

Tot Ion: 43 Resp: 2455618

Ion Ratio Lower Upper

43 100

86 8.4 6.3 9.5



#24

1,1-Dichloroethane

Concen: 74.33 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

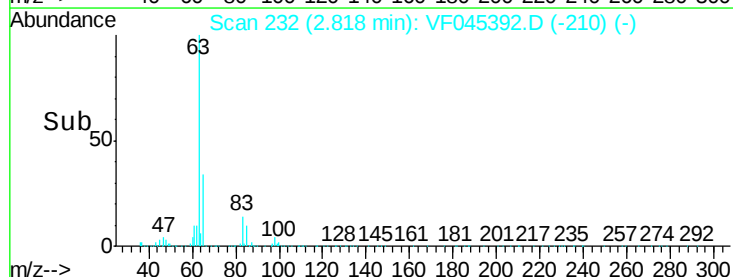
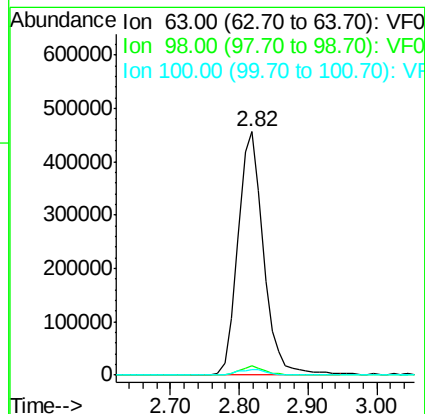
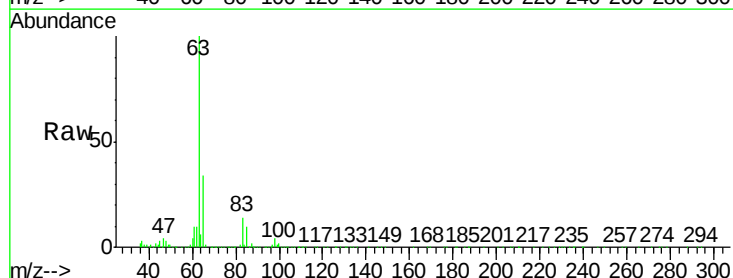
Tgt Ion: 63 Resp: 1170803

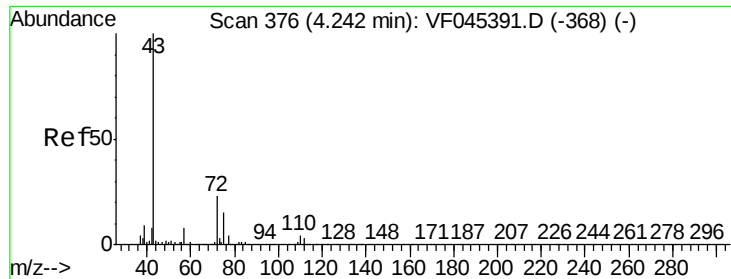
Ion Ratio Lower Upper

63 100

98 4.0 2.2 6.6

100 2.5 1.1 3.5





#25

2-Butanone

Concen: 283.84 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

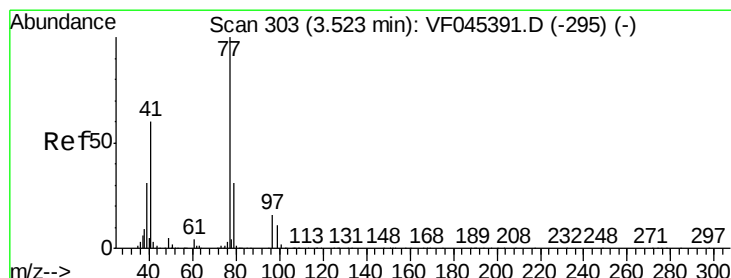
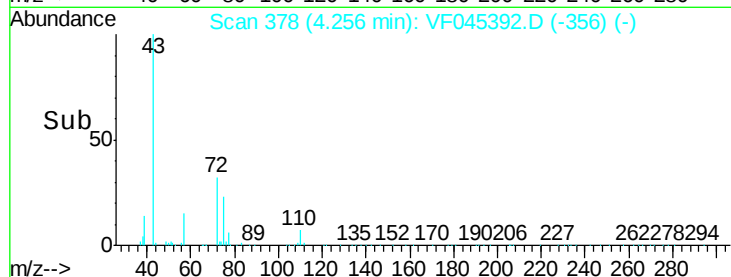
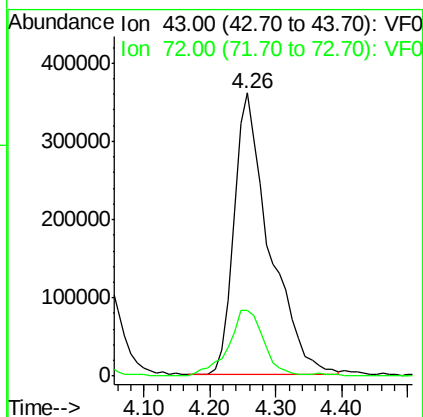
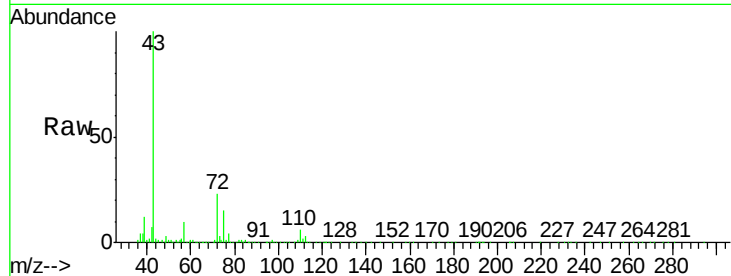
VSTDIC075

Tot Ion: 43 Resp: 1358561

Ion Ratio Lower Upper

43 100

72 23.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 74.53 ug/l

RT: 3.54 min Scan# 305

Delta R.T. 0.01 min

Lab File: VF045392.D

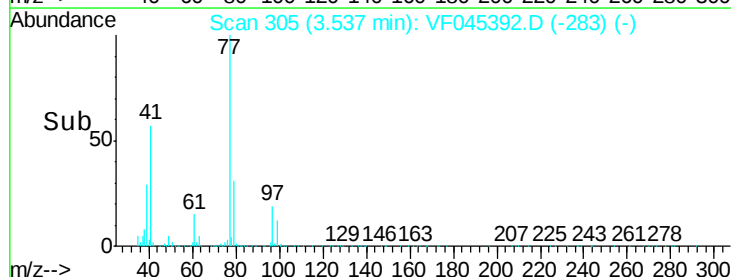
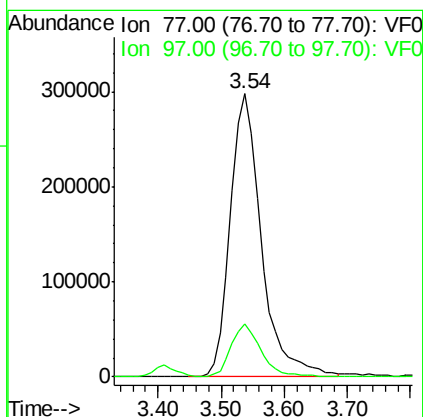
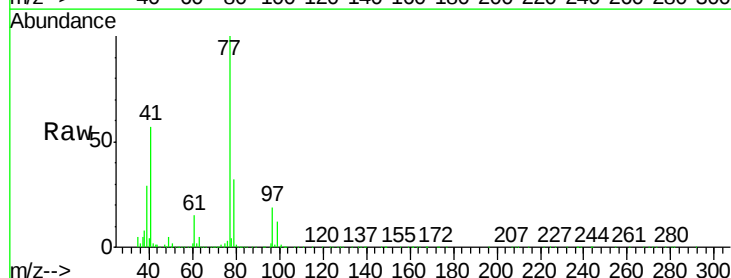
Acq: 16 Sep 2015 15:08

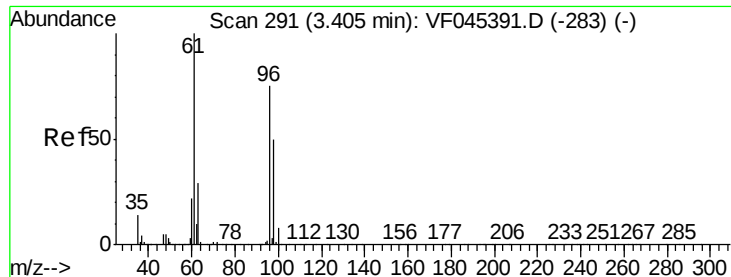
Tgt Ion: 77 Resp: 1020454

Ion Ratio Lower Upper

77 100

97 18.6 9.2 27.4



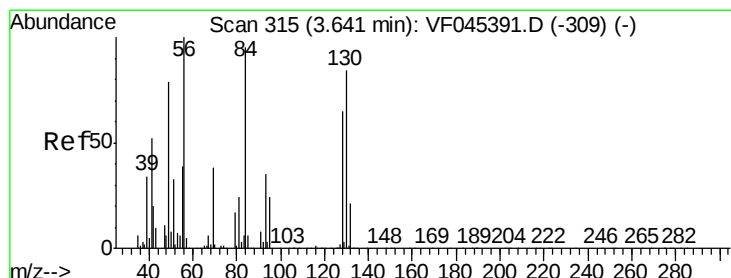
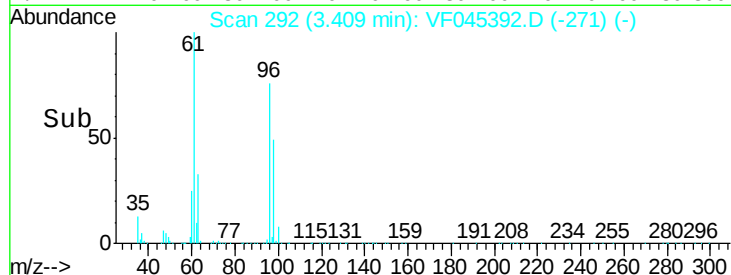
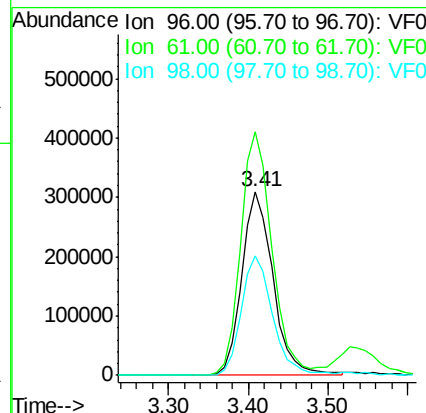
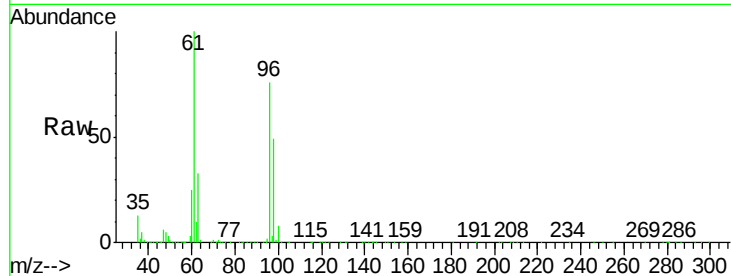


#27

cis-1,2-Dichloroethene
Concen: 70.83 ug/l
RT: 3.41 min Scan# 292
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

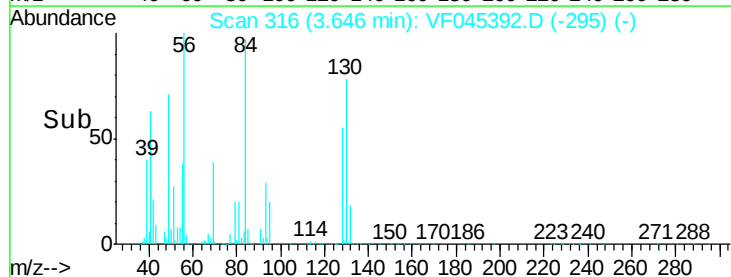
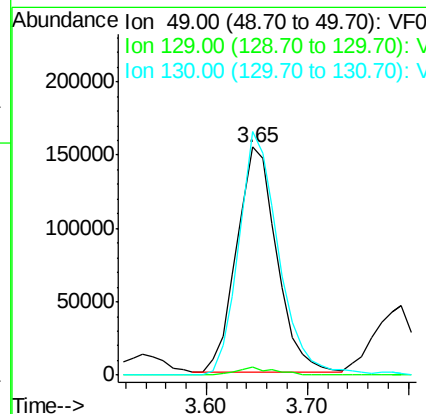
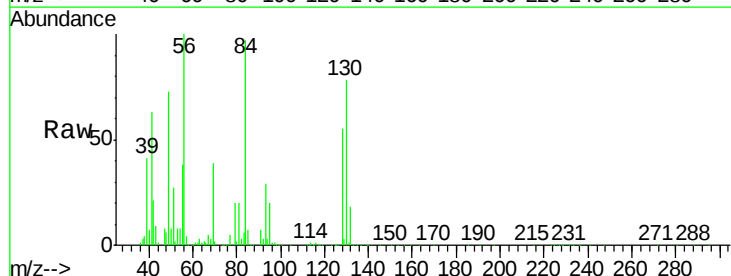
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	268.6
98	65.0	0.0	135.8

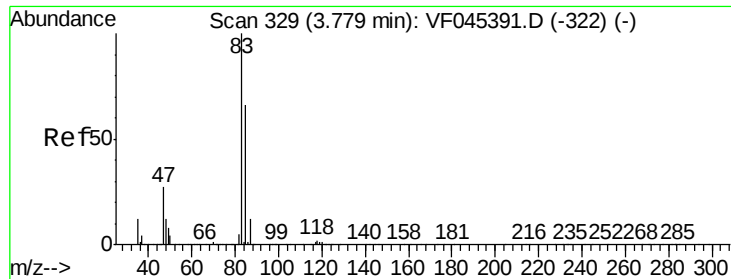


#28

Bromochloromethane
Concen: 51.76 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	0.0#
130	106.8	79.6	119.4





#29

Chloroform

Concen: 77.33 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

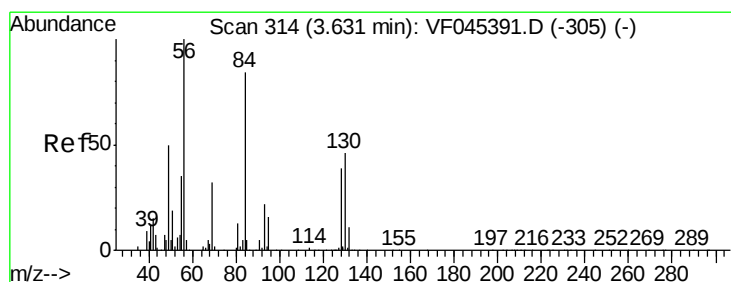
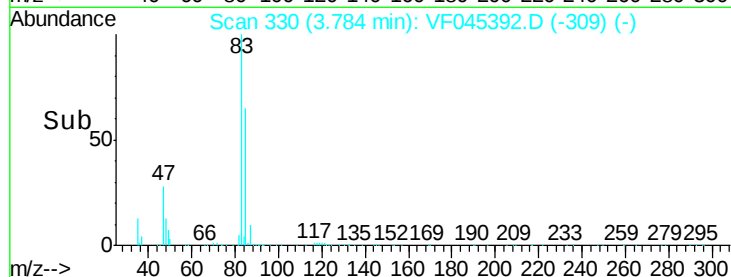
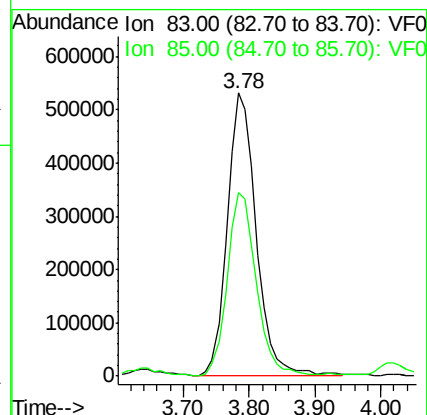
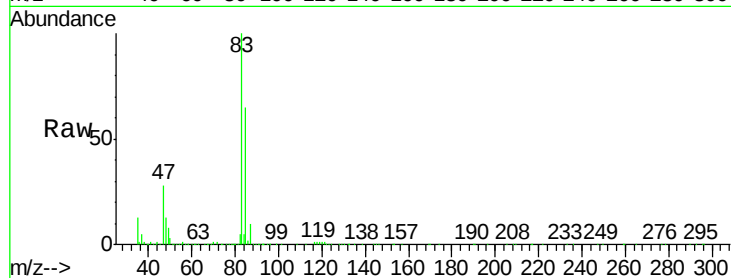
VSTDIC075

Tot Ion: 83 Resp: 1614643

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4



#30

Cyclohexane

Concen: 61.52 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

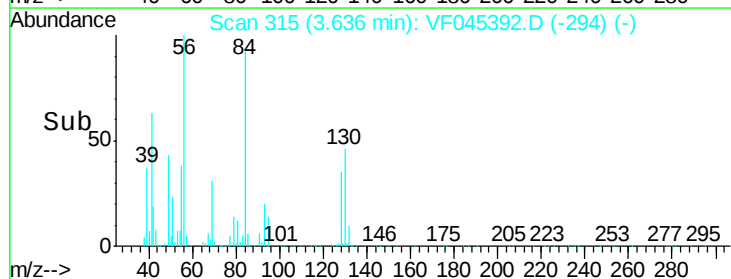
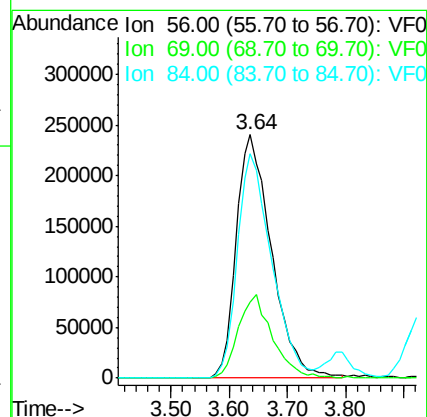
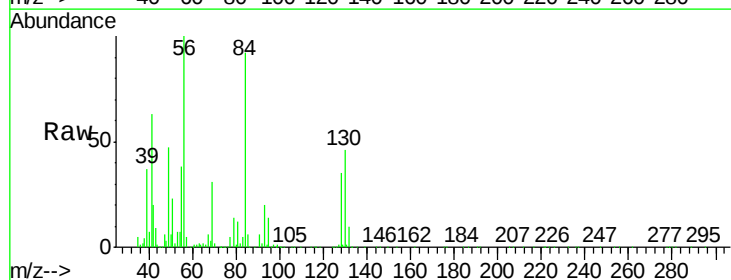
Tgt Ion: 56 Resp: 1012725

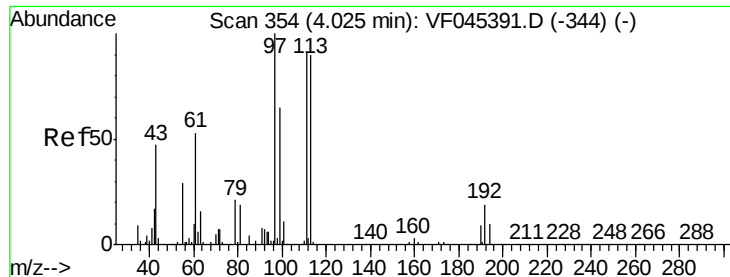
Ion Ratio Lower Upper

56 100

69 31.1 26.1 39.1

84 92.4 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 81.24 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

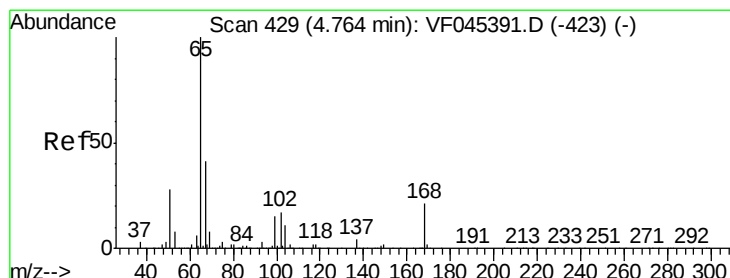
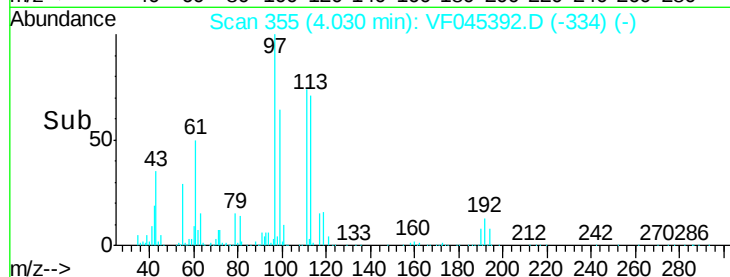
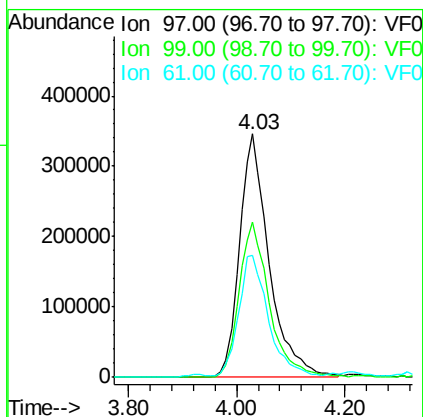
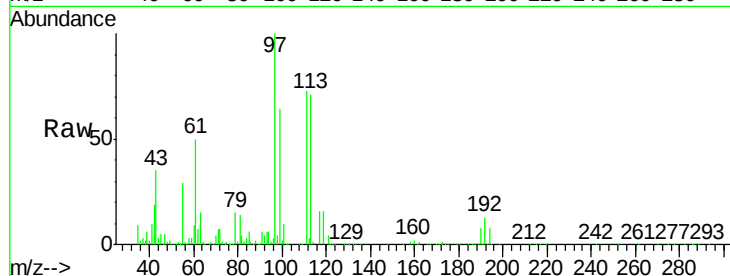
Tot Ion: 97 Resp: 1314885

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 49.9 37.8 56.6



#32

1,2-Dichloroethane-d4

Concen: 72.87 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF045392.D

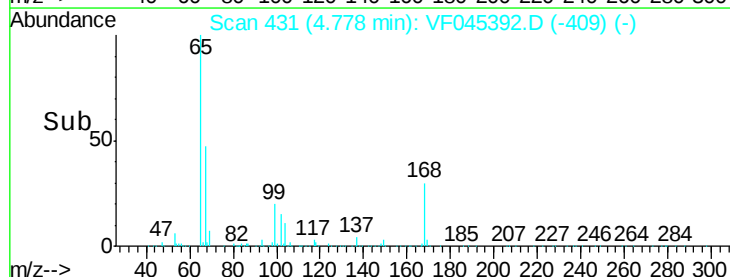
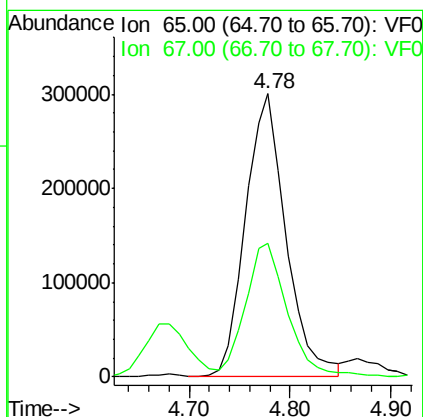
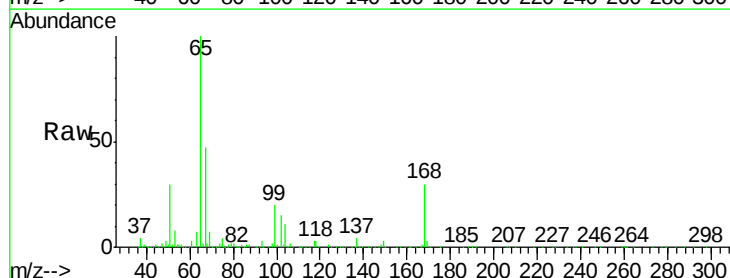
Acq: 16 Sep 2015 15:08

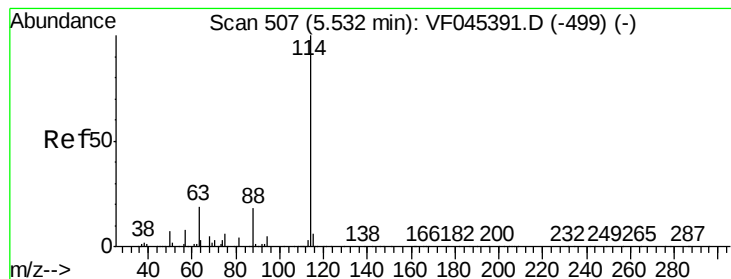
Tgt Ion: 65 Resp: 831981

Ion Ratio Lower Upper

65 100

67 47.0 0.0 102.2





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.54 min Scan# 508

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

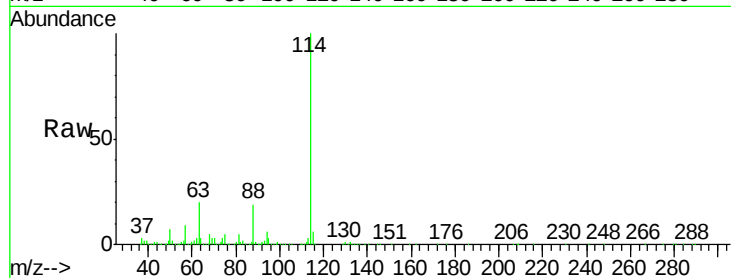
Tot Ion:114 Resp: 1564855

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

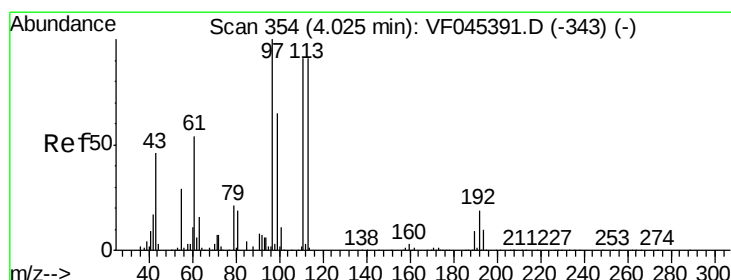
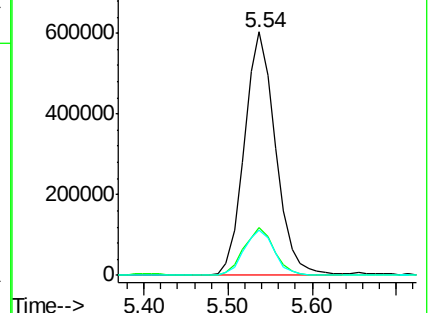
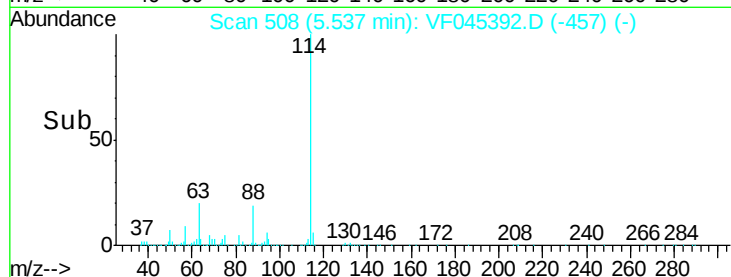
88 18.6 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#34

Dibromofluoromethane

Concen: 74.28 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

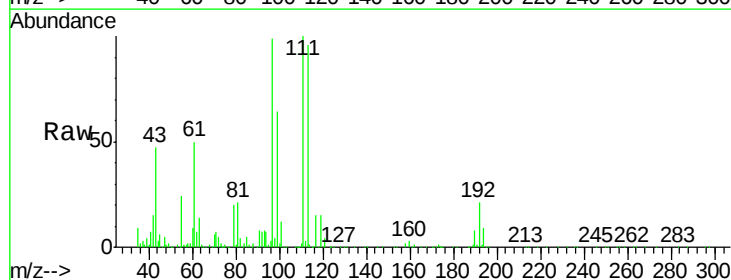
Tgt Ion:113 Resp: 890867

Ion Ratio Lower Upper

113 100

111 104.3 75.5 113.3

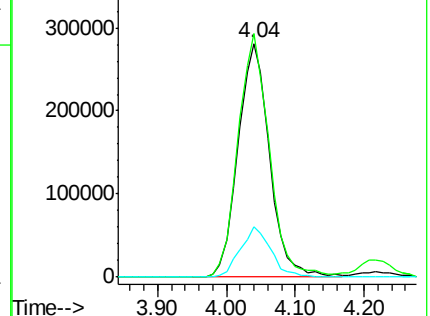
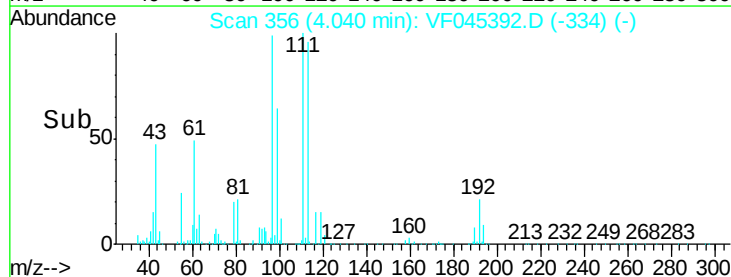
192 21.8 15.6 23.4

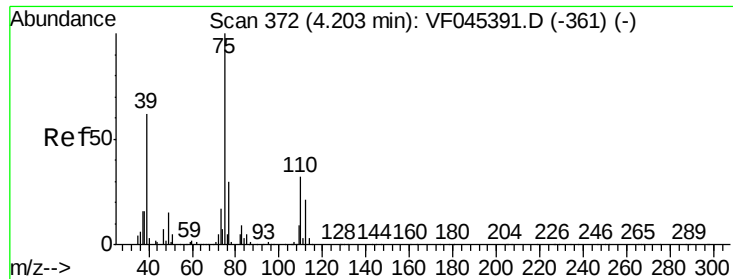


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#35

1,1-Dichloropropene

Concen: 77.01 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

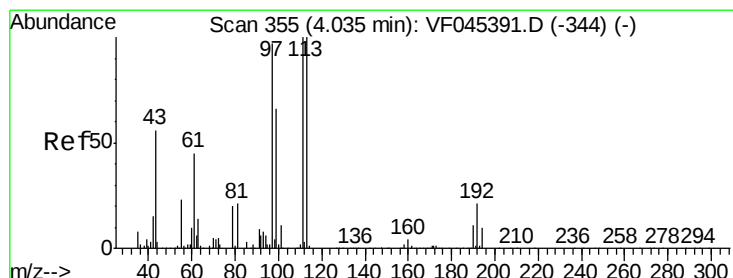
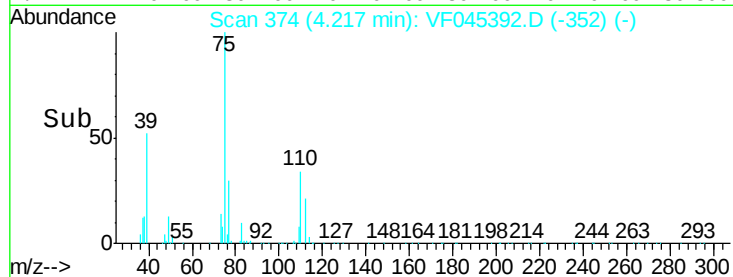
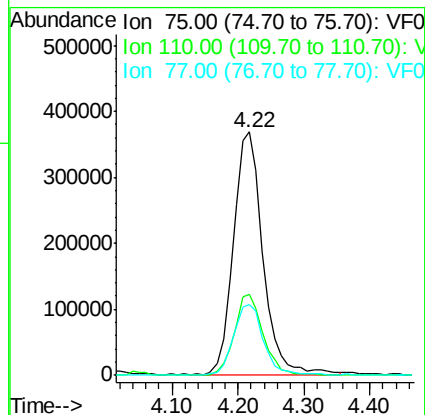
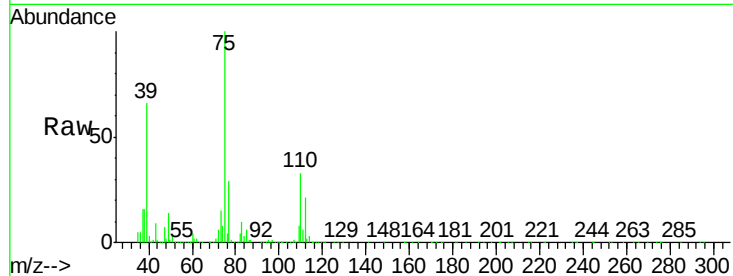
Tot Ion: 75 Resp: 1147199

Ion Ratio Lower Upper

75 100

110 33.4 15.9 47.6

77 29.1 24.2 36.4



#36

Ethyl Acetate

Concen: 62.90 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

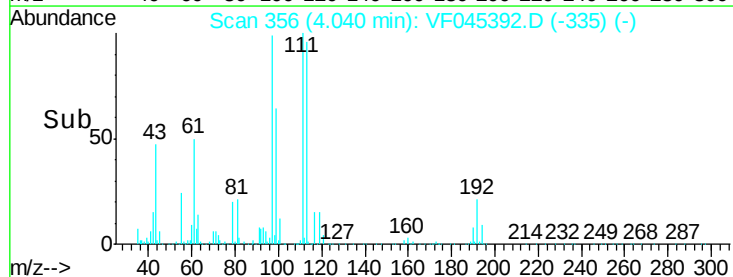
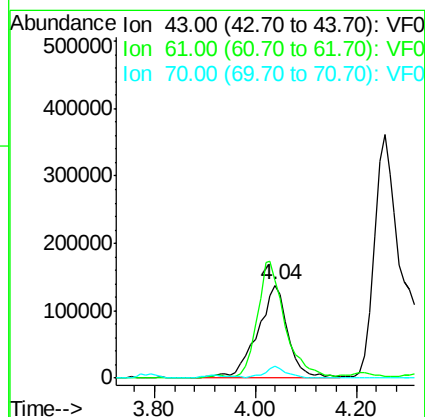
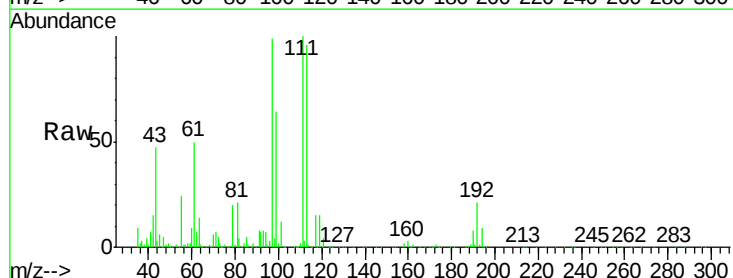
Tgt Ion: 43 Resp: 562656

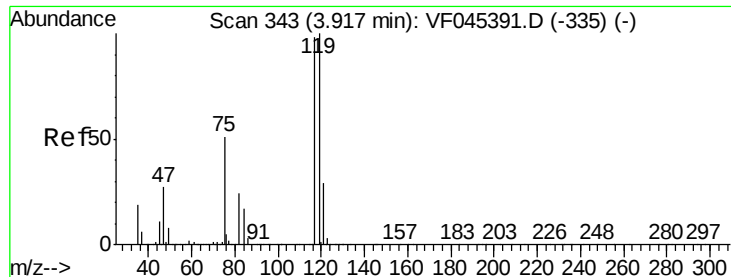
Ion Ratio Lower Upper

43 100

61 105.3 49.4 74.0#

70 12.2 10.8 16.2





#37

Carbon Tetrachloride

Concen: 97.62 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

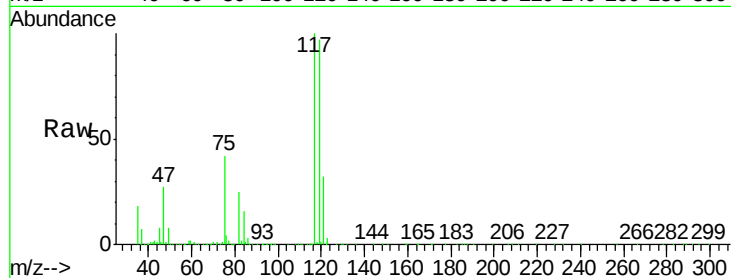
Tot Ion:117 Resp: 1249399

Ion Ratio Lower Upper

117 100

119 96.9 77.8 116.8

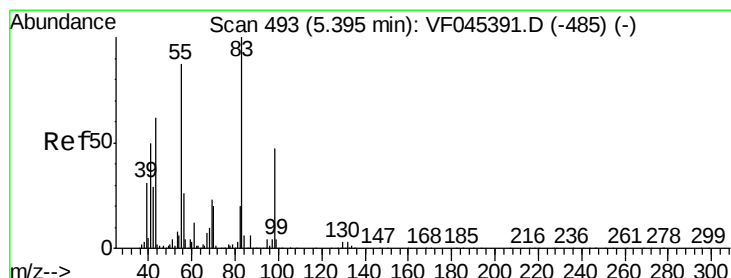
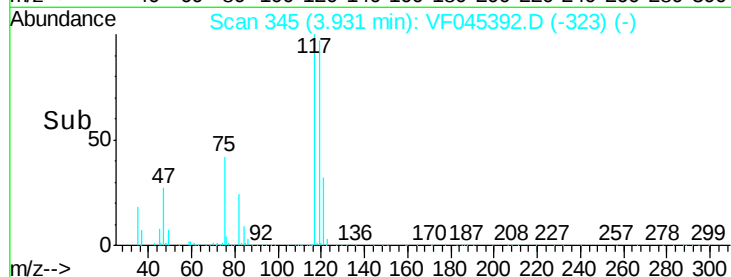
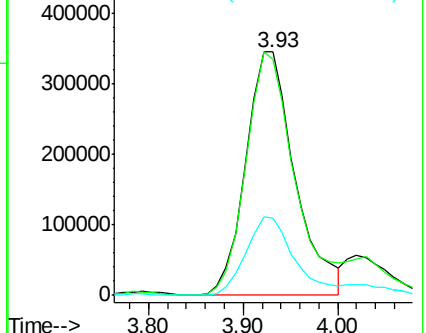
121 31.7 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Methylcyclohexane

Concen: 73.32 ug/l

RT: 5.40 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

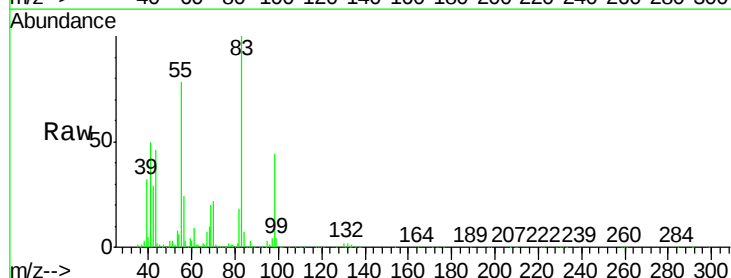
Tgt Ion: 83 Resp: 1179676

Ion Ratio Lower Upper

83 100

55 78.4 60.5 90.7

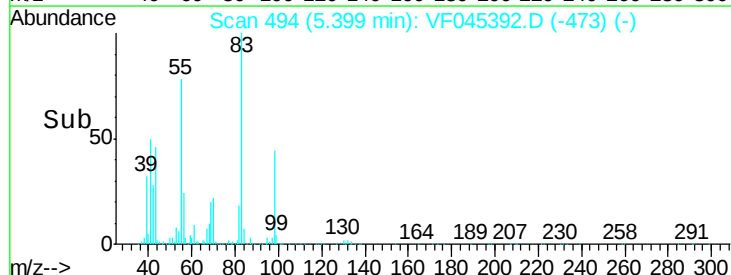
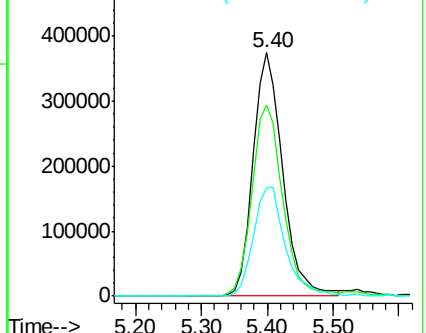
98 44.2 38.1 57.1

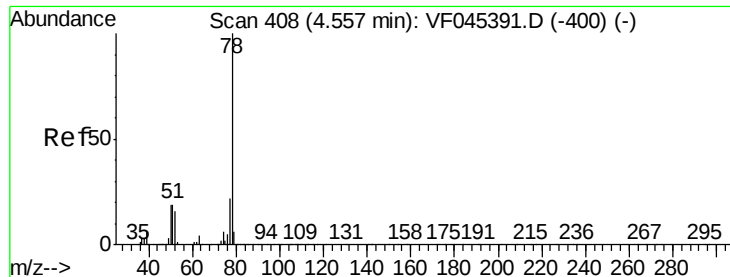


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 72.38 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

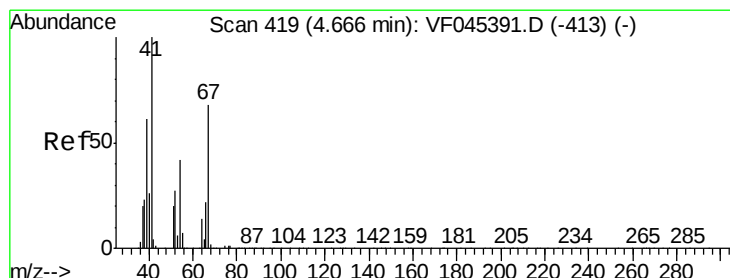
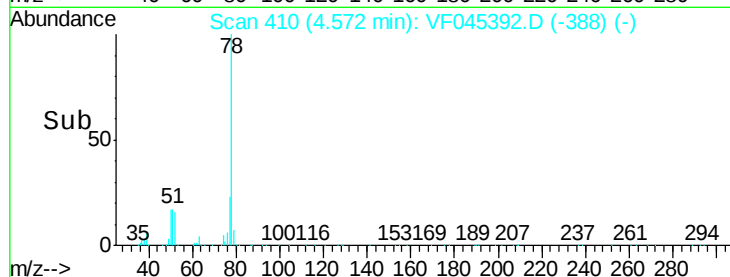
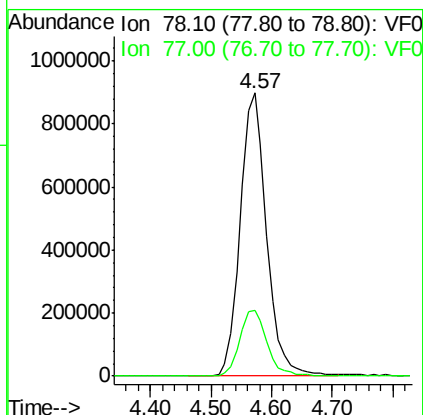
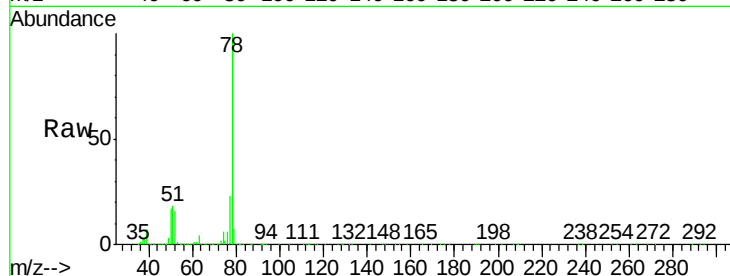
VSTDIC075

Tot Ion: 78 Resp: 2703611

Ion Ratio Lower Upper

78 100

77 23.1 18.6 28.0



#40

Methacrylonitrile

Concen: 61.90 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion: 41 Resp: 262306

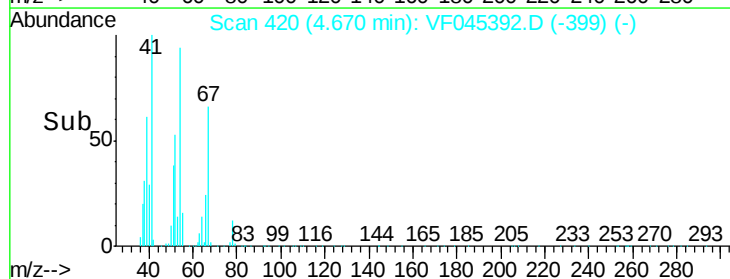
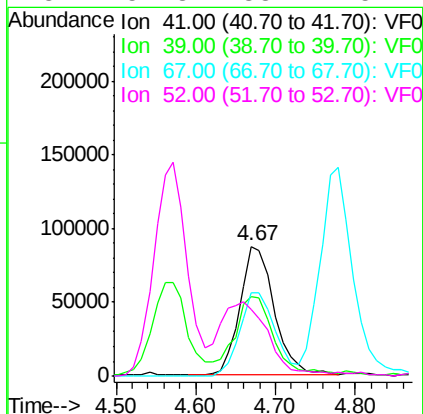
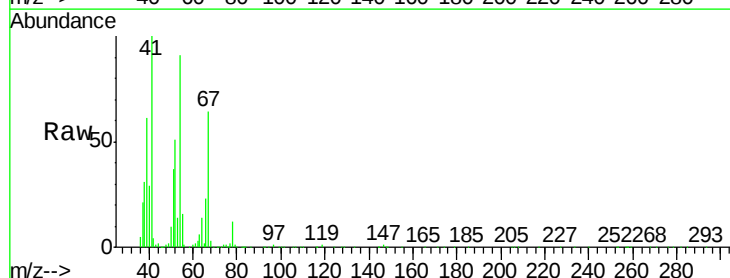
Ion Ratio Lower Upper

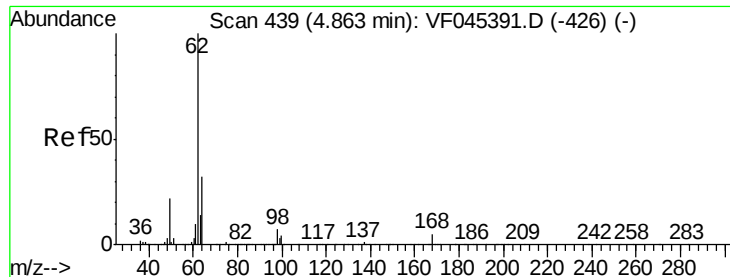
41 100

39 61.5 44.9 67.3

67 64.4 49.0 73.4

52 51.3 38.2 57.2





#41

1,2-Dichloroethane

Concen: 87.70 ug/l

RT: 4.88 min Scan# 441

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

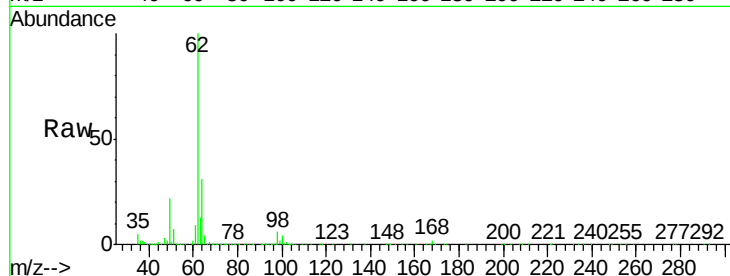
VSTDIC075

Tot Ion: 62 Resp: 1100310

Ion Ratio Lower Upper

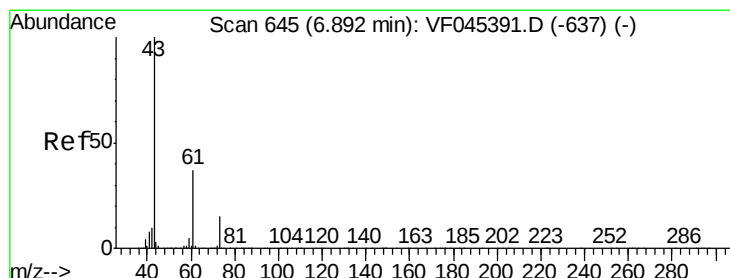
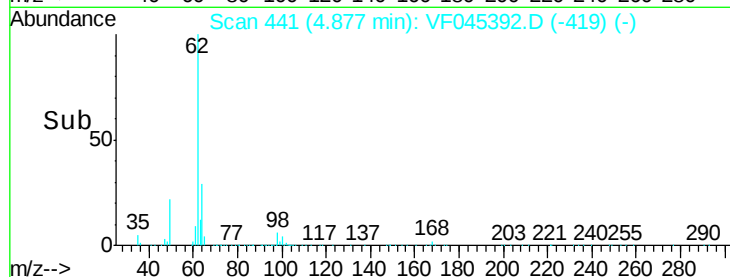
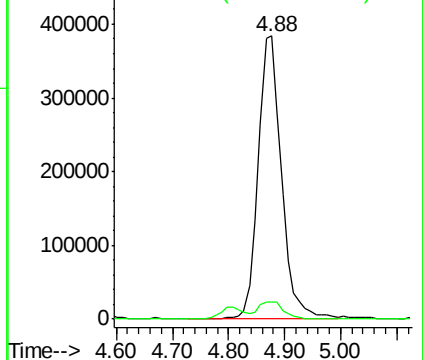
62 100

98 6.2 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: 63.39 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

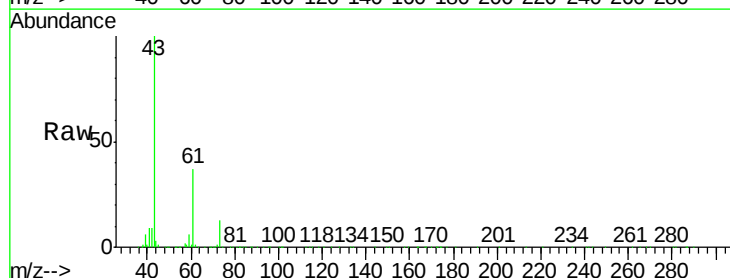
Tgt Ion: 43 Resp: 766848

Ion Ratio Lower Upper

43 100

61 36.8 29.8 44.6

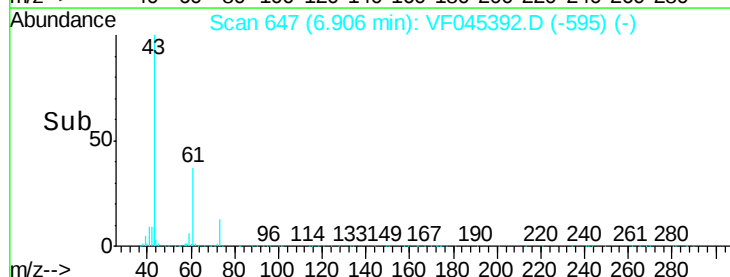
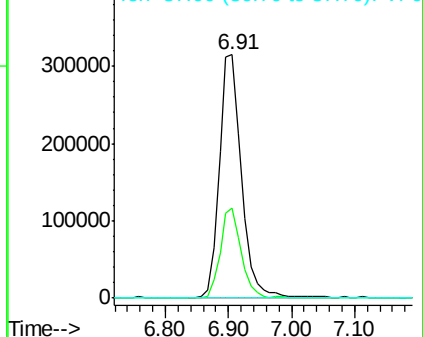
87 0.3 0.2 0.2#

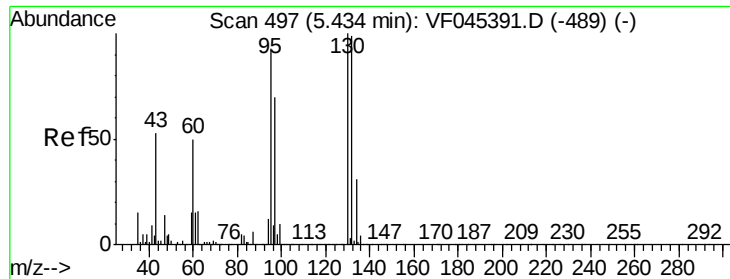


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

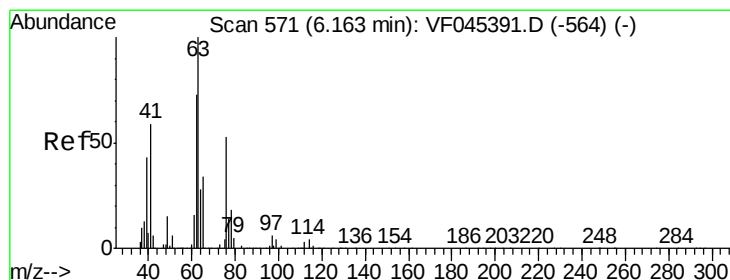
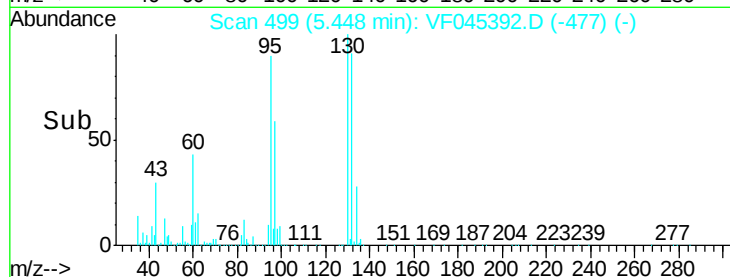
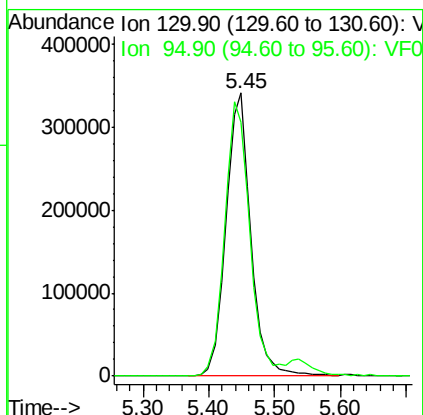
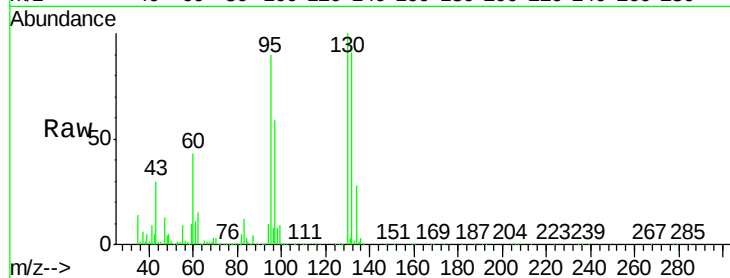




#43
 Trichloroethene
 Concen: 83.65 ug/l
 RT: 5.45 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

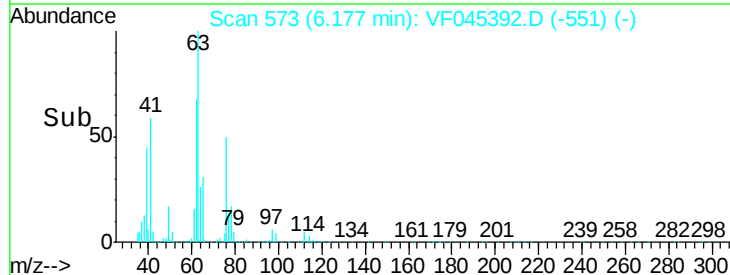
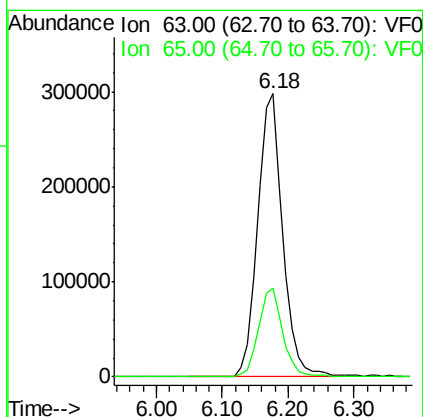
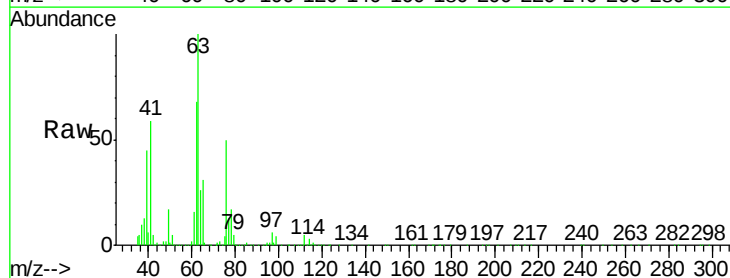
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

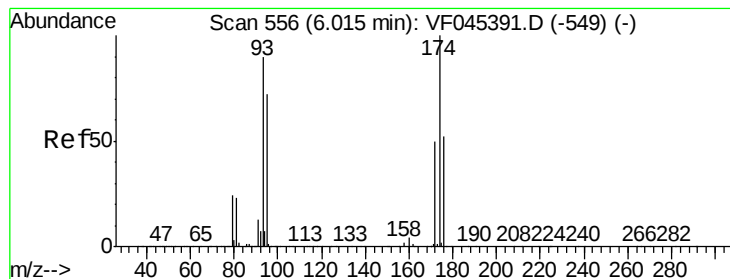
Tot Ion:130 Resp: 897335
 Ion Ratio Lower Upper
 130 100
 95 89.7 0.0 192.2



#44
 1,2-Dichloropropane
 Concen: 70.49 ug/l
 RT: 6.18 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion: 63 Resp: 792788
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4





#45

Dibromomethane

Concen: 81.61 ug/l

RT: 6.02 min Scan# 557

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

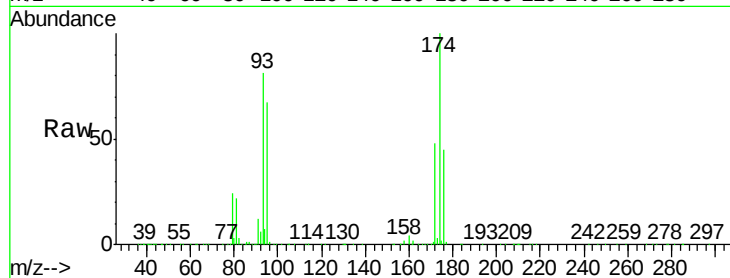
Tot Ion: 93 Resp: 570712

Ion Ratio Lower Upper

93 100

95 82.8 69.8 104.6

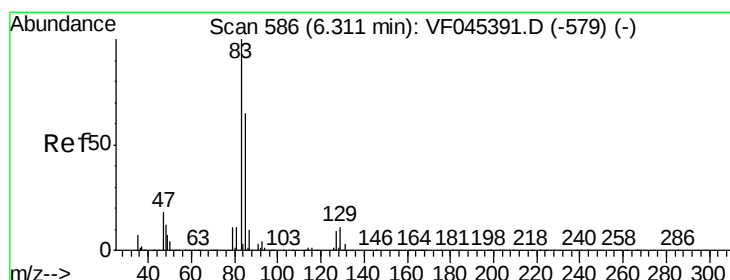
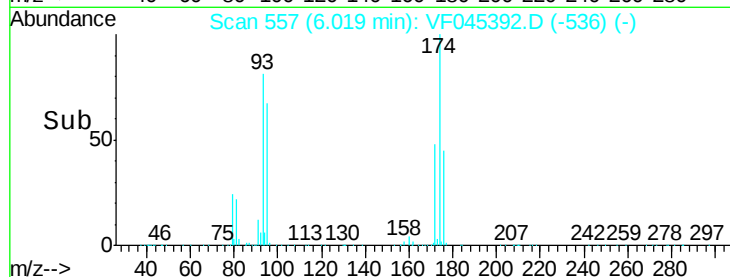
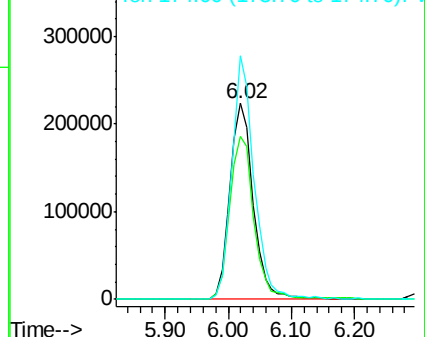
174 124.1 90.5 135.7



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: 87.40 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

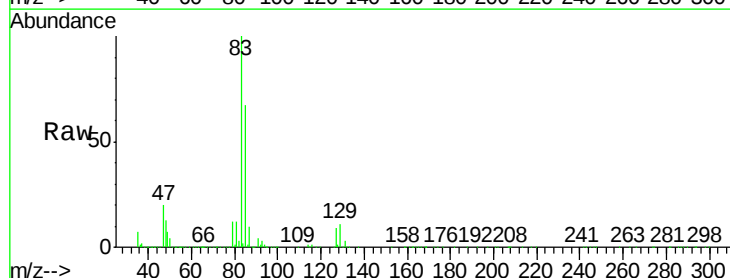
Tgt Ion: 83 Resp: 1294002

Ion Ratio Lower Upper

83 100

85 67.5 50.6 75.8

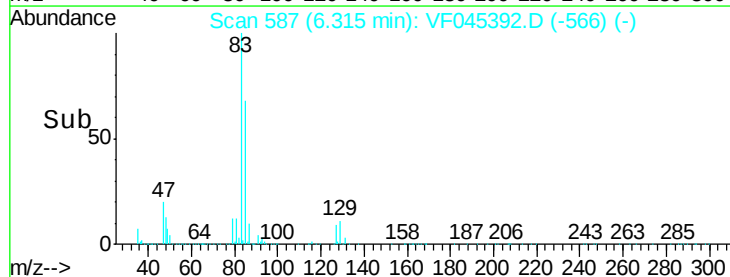
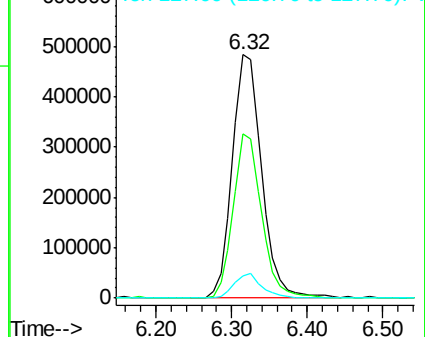
127 9.4 7.7 11.5

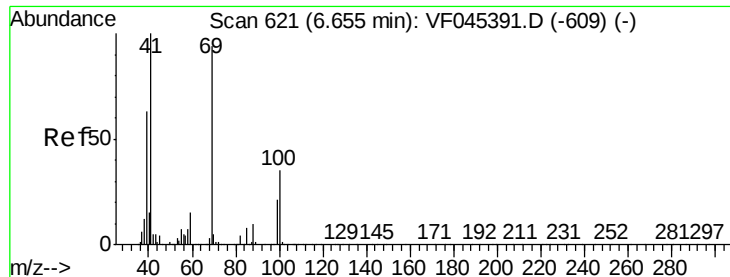


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

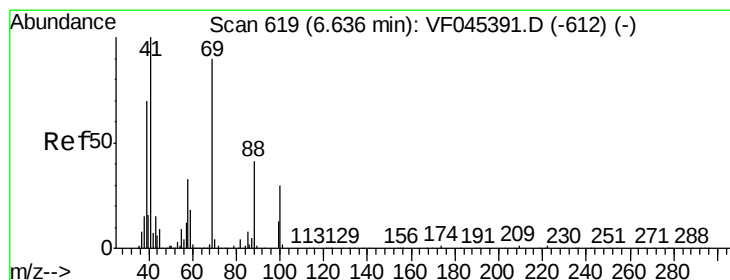
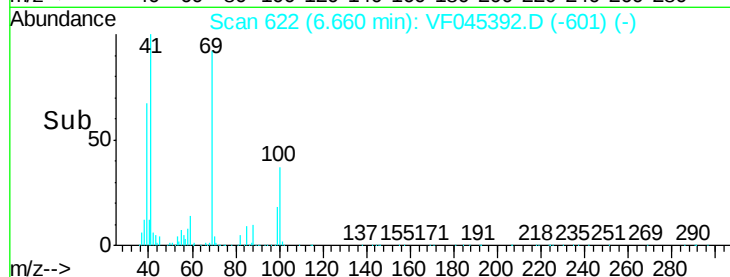
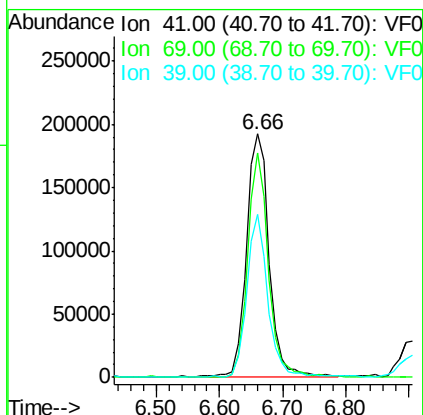
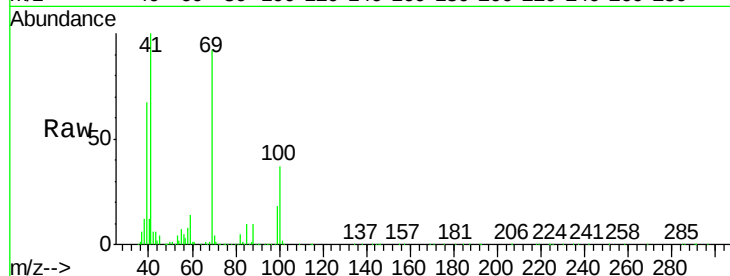




#47
Methvl methacrvlate
Concen: 67.83 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

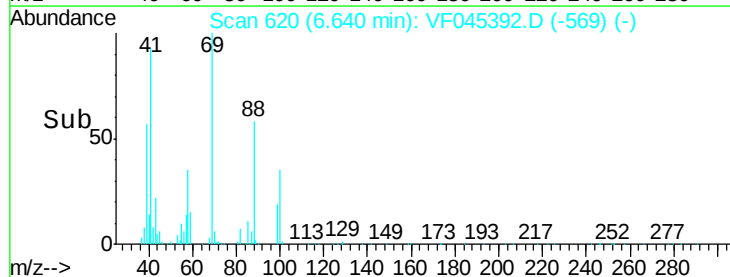
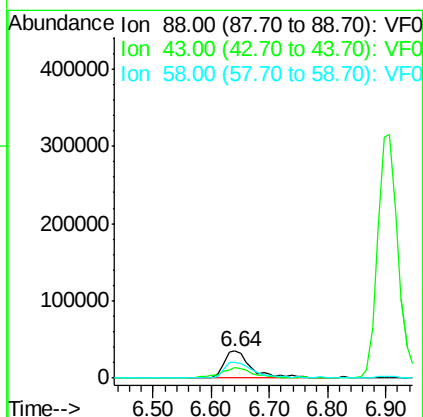
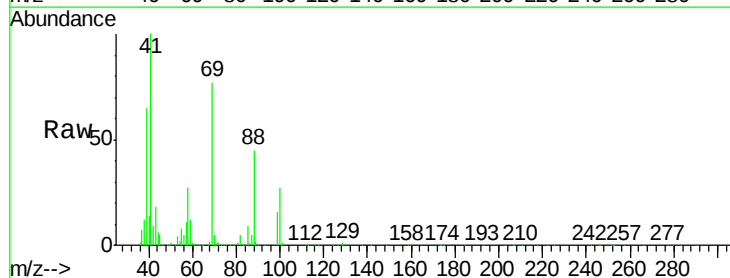
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

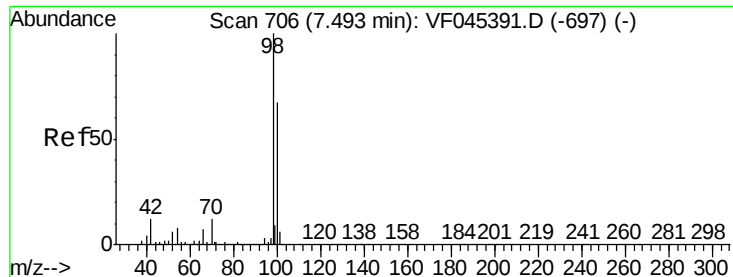
Tot Ion	Ratio	Lower	Upper
41	100		
69	92.0	63.3	94.9
39	66.9	48.9	73.3



#48
1,4-Dioxane
Concen: 1599.03 ug/l
RT: 6.64 min Scan# 620
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.9	34.5	51.7
58	60.0	46.5	69.7





#49

Toluene-d8

Concen: 70.66 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

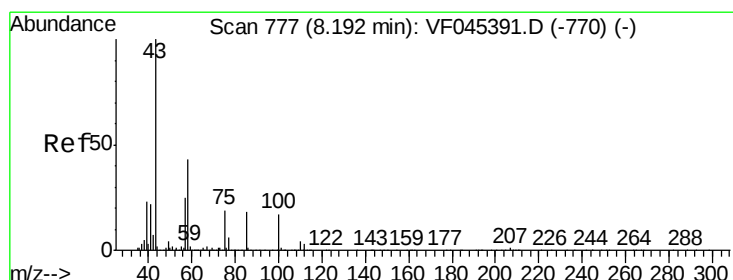
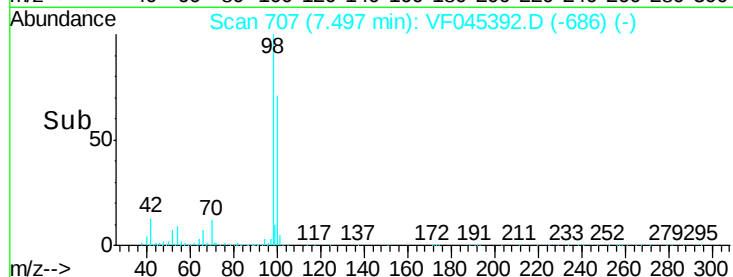
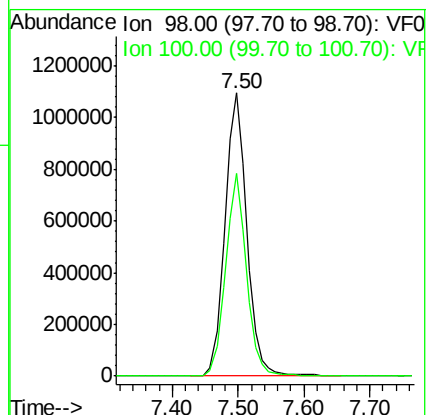
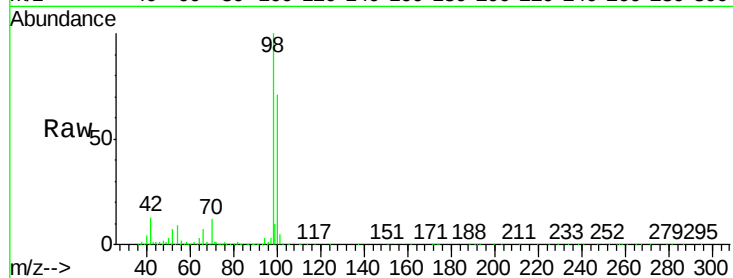
VSTDIC075

Tot Ion: 98 Resp: 2544665

Ion Ratio Lower Upper

98 100

100 71.5 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 304.45 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.00 min

Lab File: VF045392.D

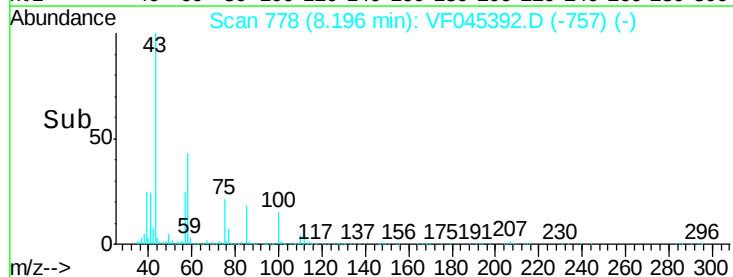
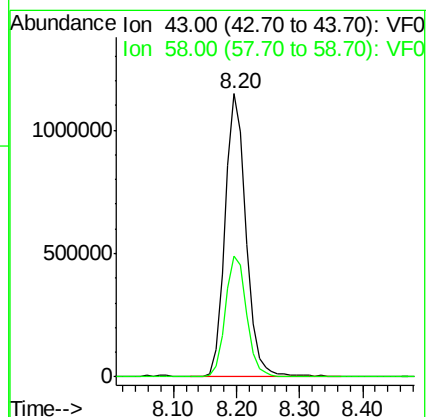
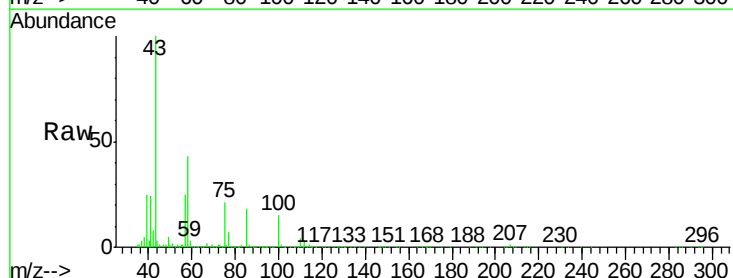
Acq: 16 Sep 2015 15:08

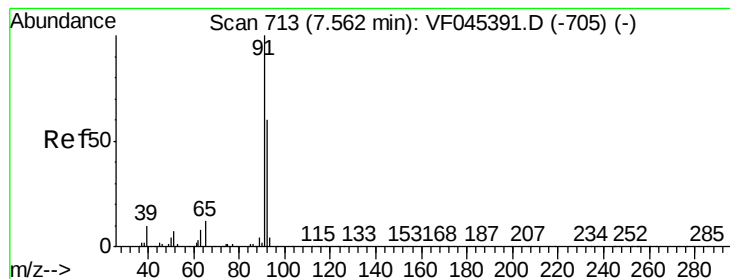
Tgt Ion: 43 Resp: 2652910

Ion Ratio Lower Upper

43 100

58 42.6 33.6 50.4





#51

Toluene

Concen: 75.97 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

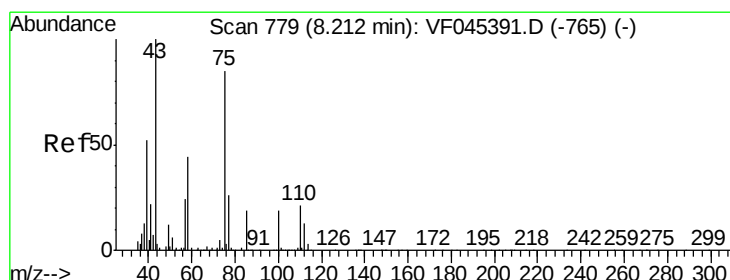
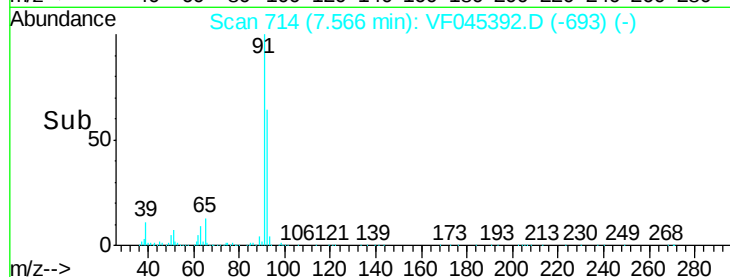
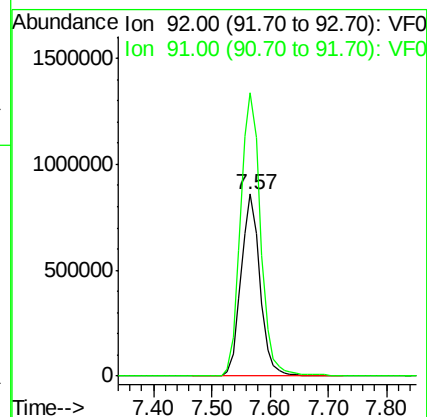
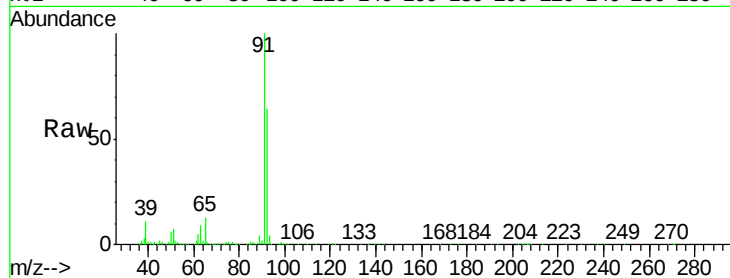
VSTDIC075

Tot Ion: 92 Resp: 1944265

Ion Ratio Lower Upper

92 100

91 155.8 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 81.06 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.00 min

Lab File: VF045392.D

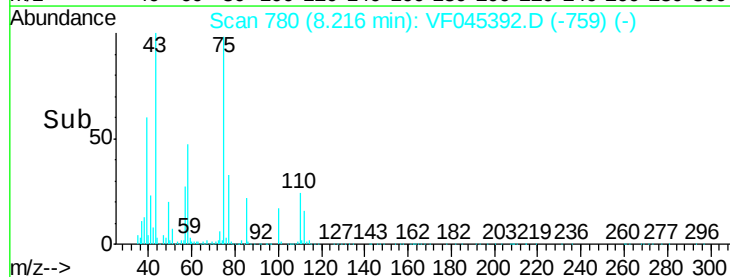
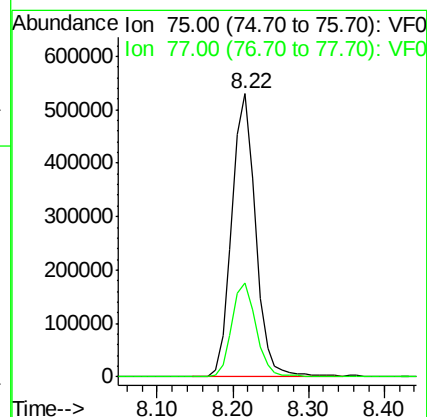
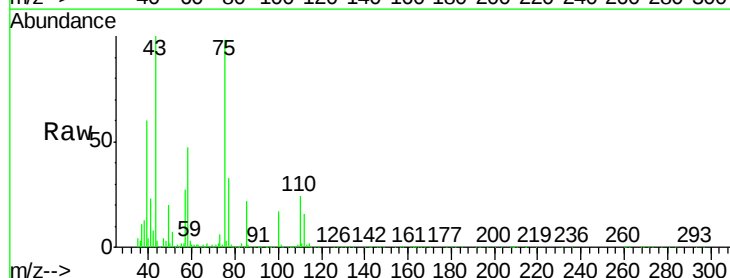
Acq: 16 Sep 2015 15:08

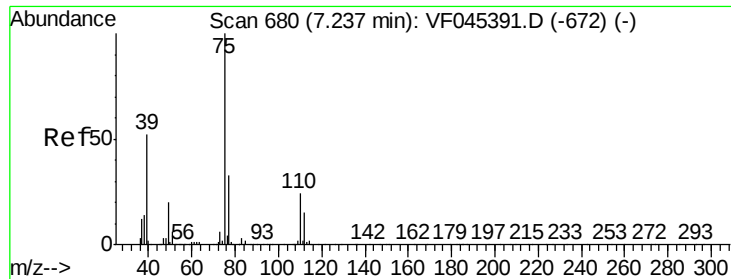
Tgt Ion: 75 Resp: 1151413

Ion Ratio Lower Upper

75 100

77 33.2 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 77.57 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

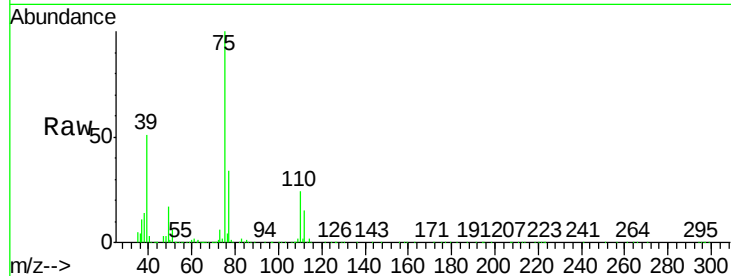
Tot Ion: 75 Resp: 1346312

Ion Ratio Lower Upper

75 100

77 33.8 25.5 38.3

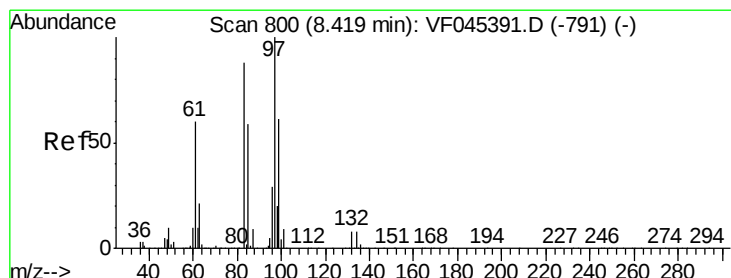
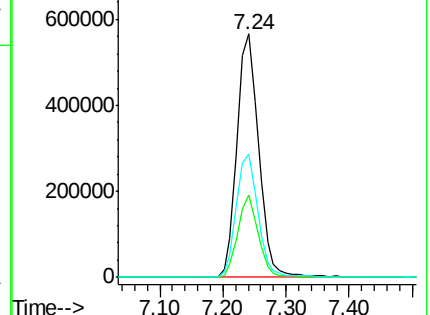
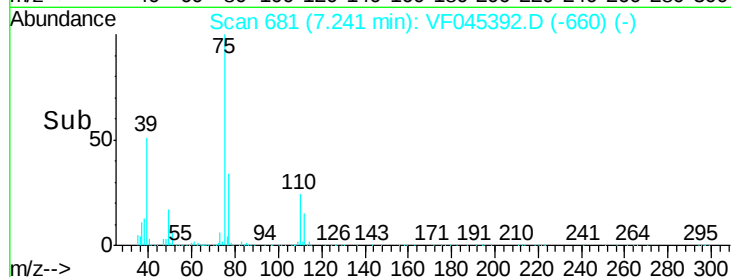
39 50.7 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#54

1,1,2-Trichloroethane

Concen: 80.10 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion: 97 Resp: 710488

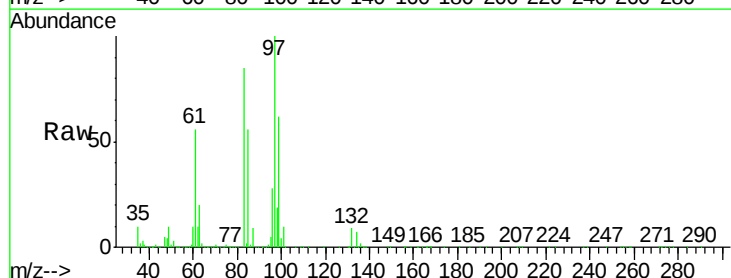
Ion Ratio Lower Upper

97 100

83 84.7 70.1 105.1

85 55.6 47.4 71.2

99 61.9 50.6 75.8

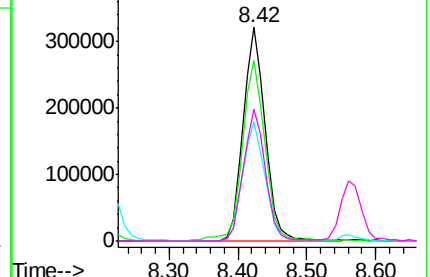
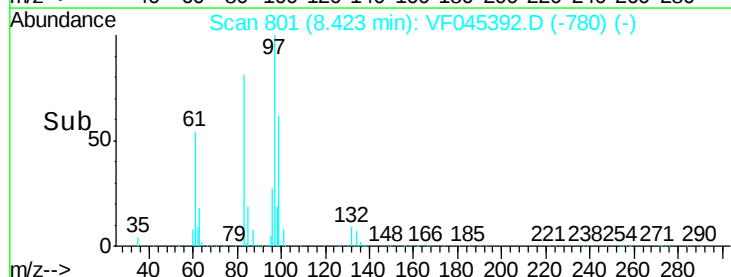


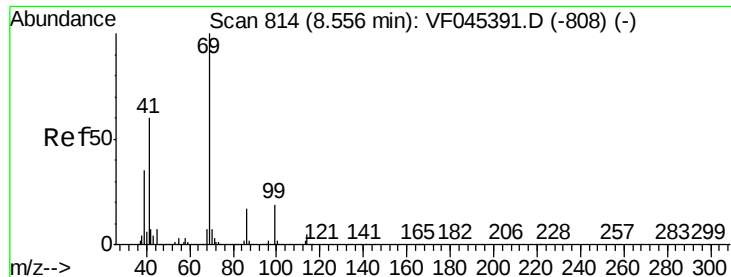
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#55

Ethyl methacrylate

Concen: 75.01 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

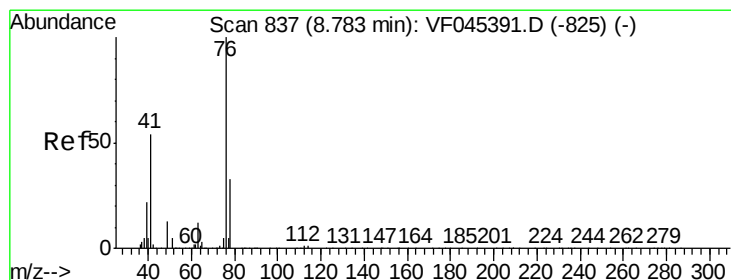
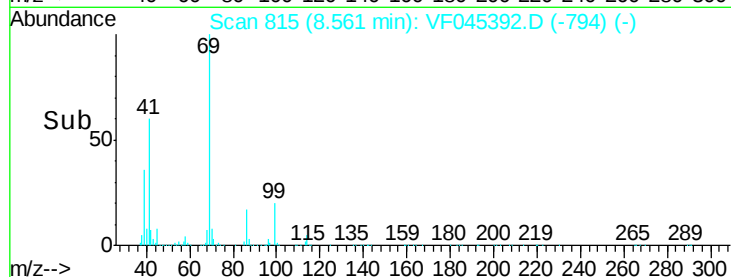
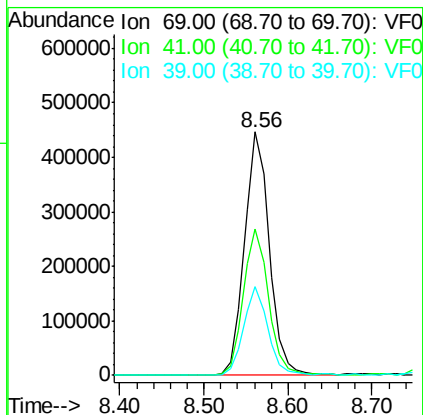
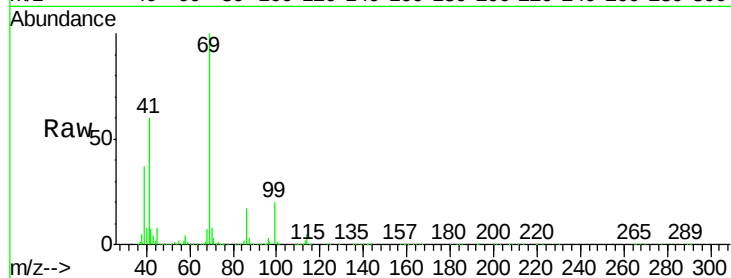
Tot Ion: 69 Resp: 926838

Ion Ratio Lower Upper

69 100

41 60.2 51.0 76.4

39 36.6 29.1 43.7



#56

1,3-Dichloropropane

Concen: 73.05 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.00 min

Lab File: VF045392.D

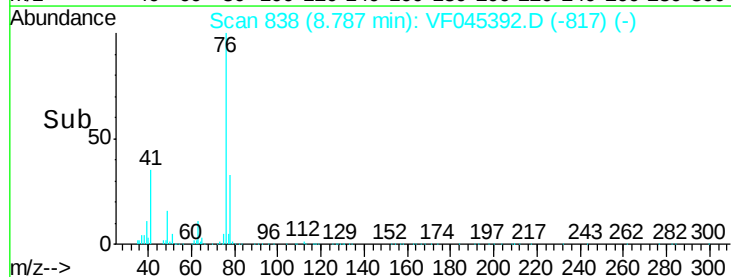
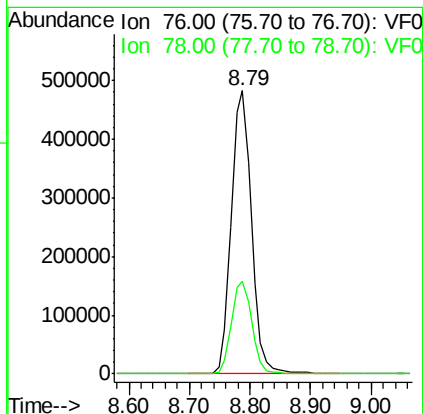
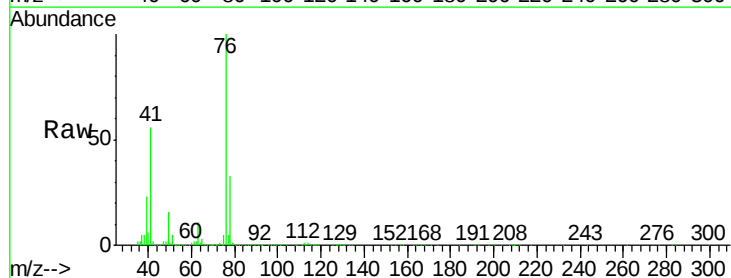
Acq: 16 Sep 2015 15:08

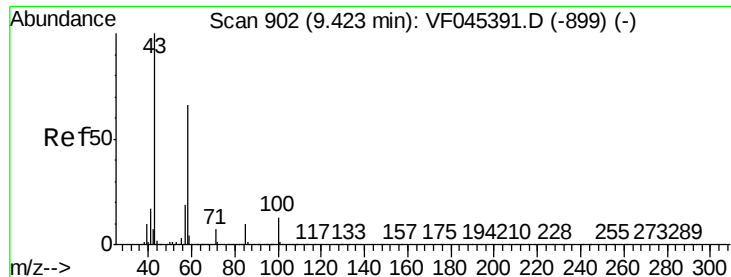
Tgt Ion: 76 Resp: 1121808

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1





#58

2-Hexanone

Concen: 290.09 ug/l

RT: 9.43 min Scan# 903

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

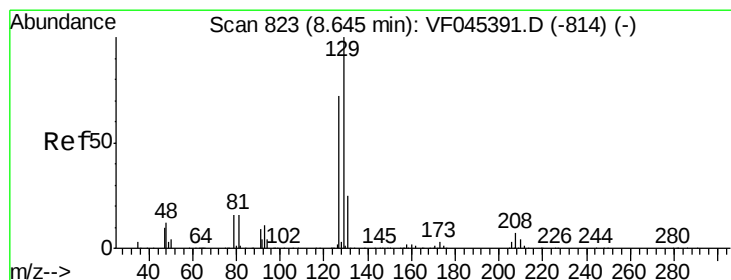
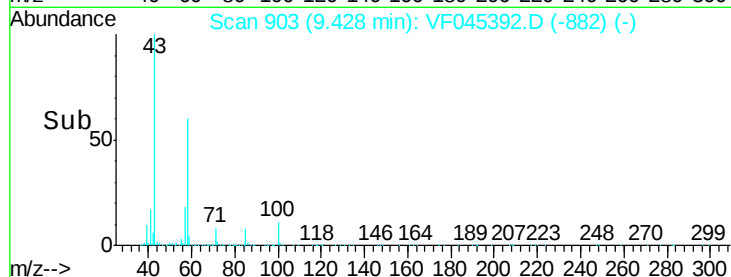
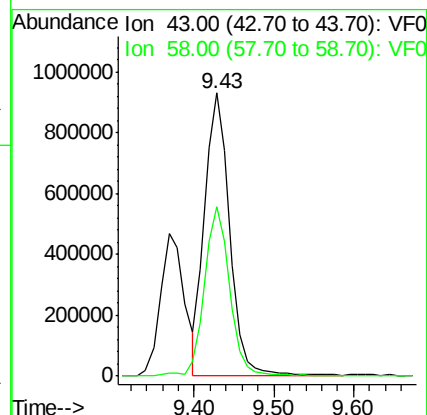
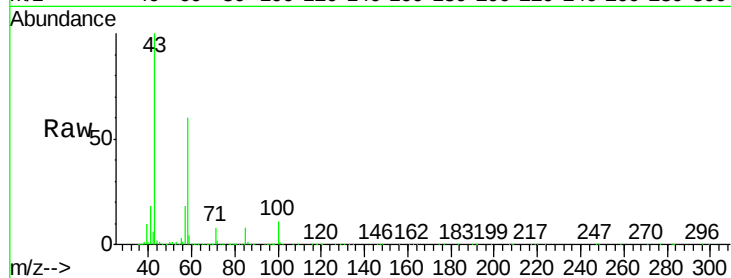
VSTDIC075

Tot Ion: 43 Resp: 2004027

Ion Ratio Lower Upper

43 100

58 59.9 28.8 86.5



#59

Dibromochloromethane

Concen: 90.50 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF045392.D

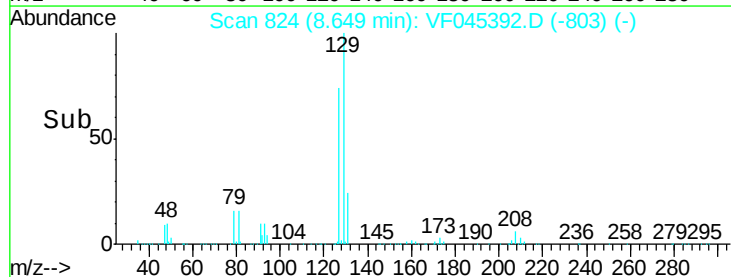
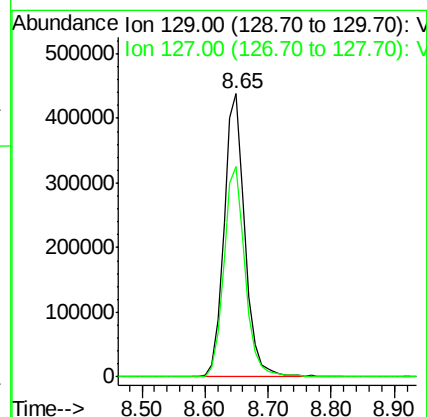
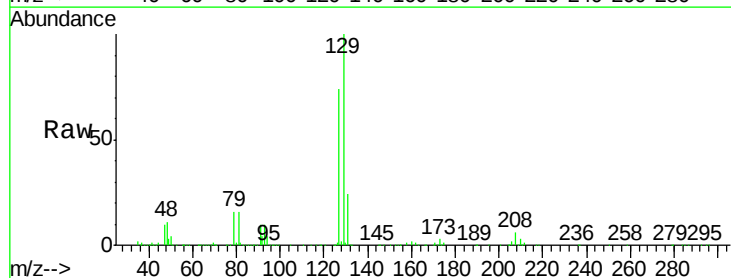
Acq: 16 Sep 2015 15:08

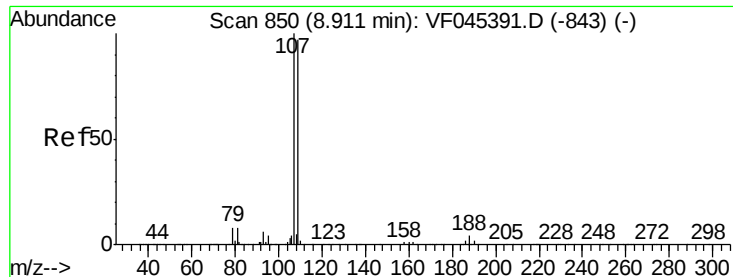
Tgt Ion: 129 Resp: 1012907

Ion Ratio Lower Upper

129 100

127 74.3 38.2 114.6

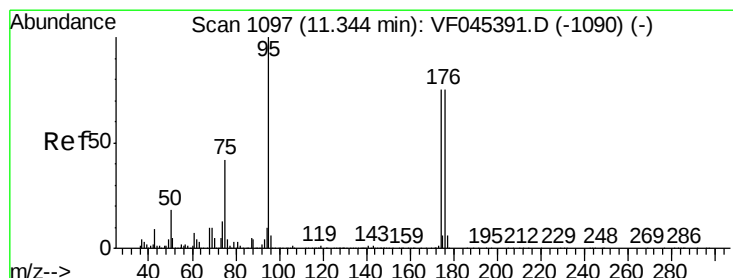
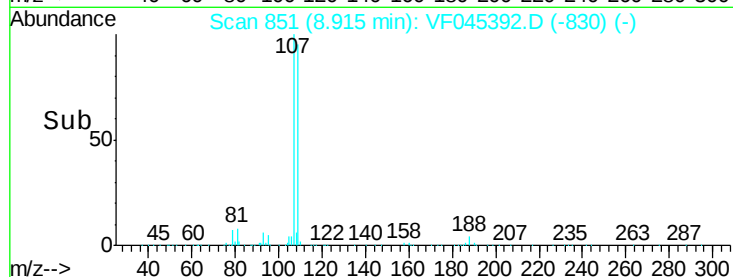
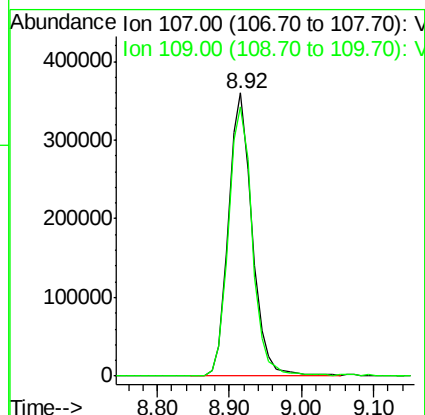
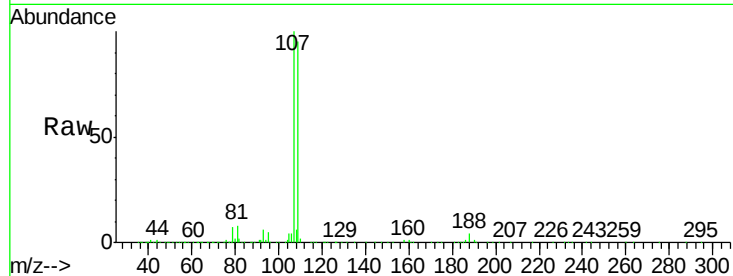




#60
 1,2-Dibromoethane
 Concen: 82.61 ug/l
 RT: 8.92 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

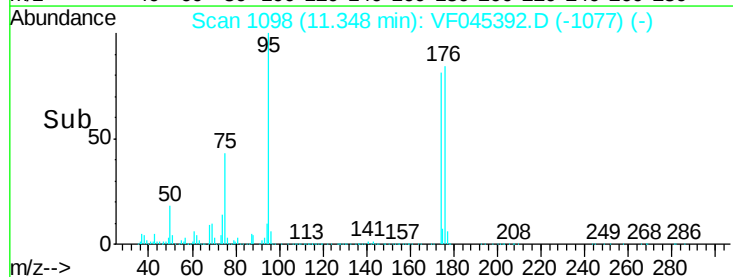
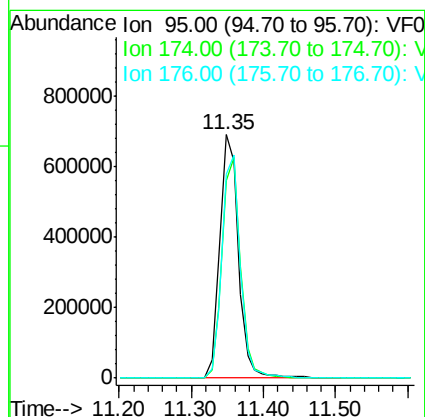
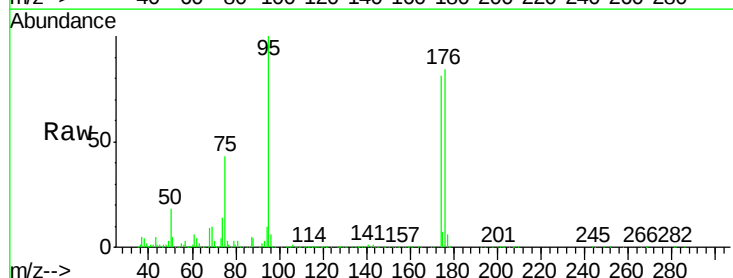
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

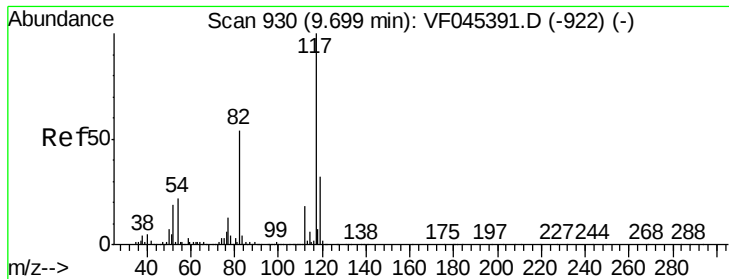
Tot Ion:107 Resp: 824545
 Ion Ratio Lower Upper
 107 100
 109 95.1 79.4 119.0



#61
 4-Bromofluorobenzene
 Concen: 74.13 ug/l
 RT: 11.35 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion: 95 Resp: 1220236
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 177.8
 176 83.8 0.0 176.2

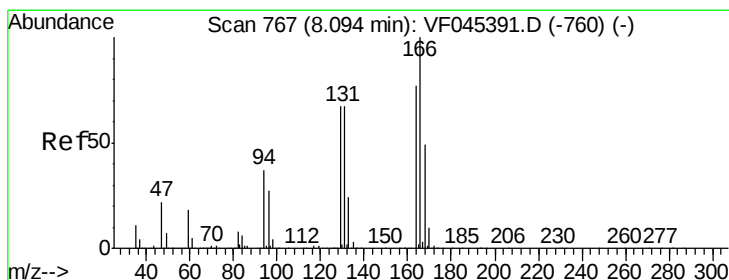
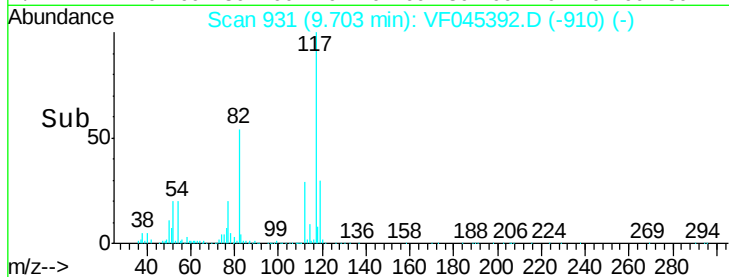
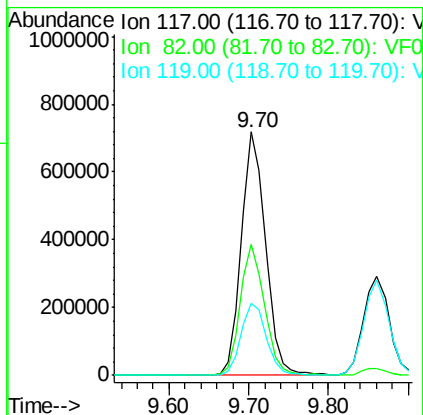
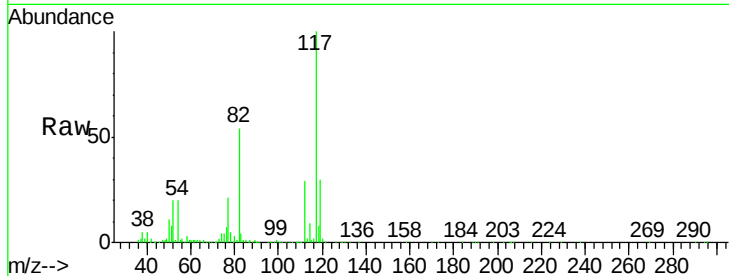




#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

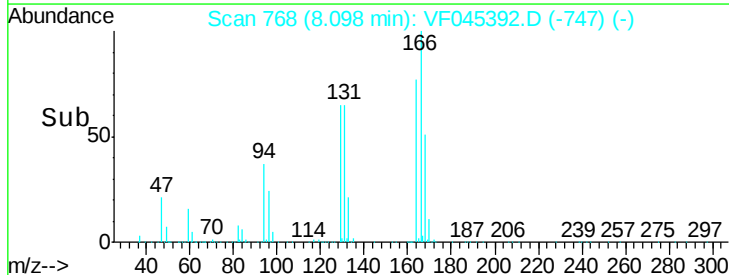
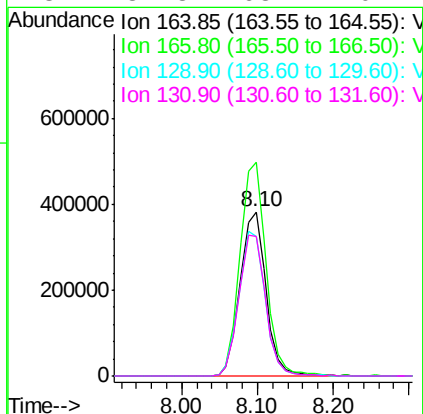
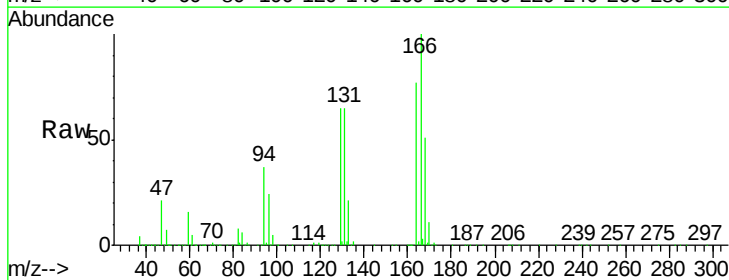
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

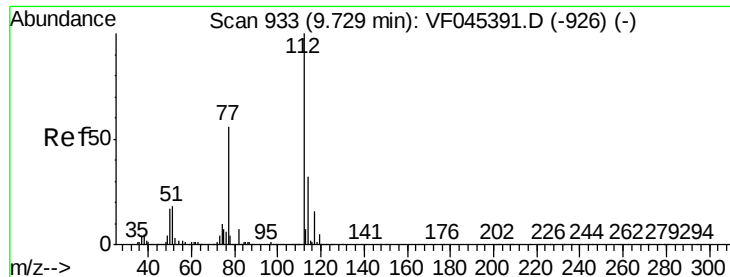
Tot Ion:117 Resp: 1513596
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.6
119 29.6 26.2 39.4



#63
Tetrachloroethene
Concen: 87.08 ug/l
RT: 8.10 min Scan# 768
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion:164 Resp: 902530
Ion Ratio Lower Upper
164 100
166 130.0 106.0 159.0
129 84.9 69.8 104.6
131 84.8 68.2 102.4





#64

Chlorobenzene

Concen: 76.69 ug/l

RT: 9.73 min Scan# 934

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

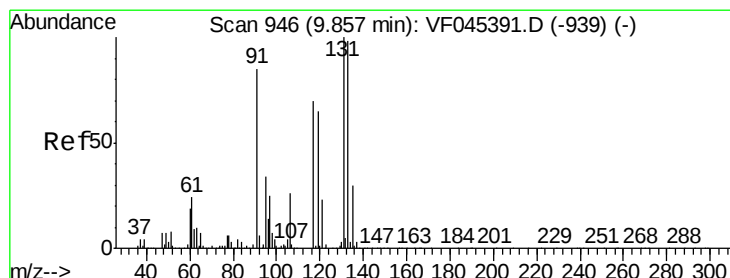
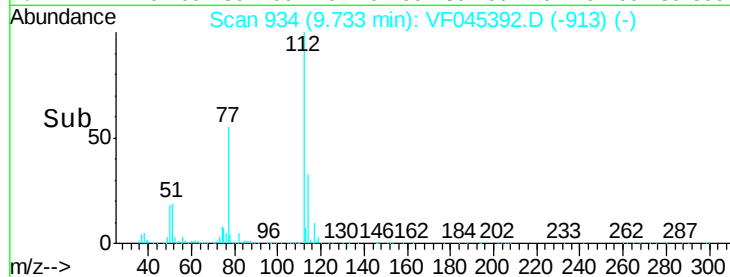
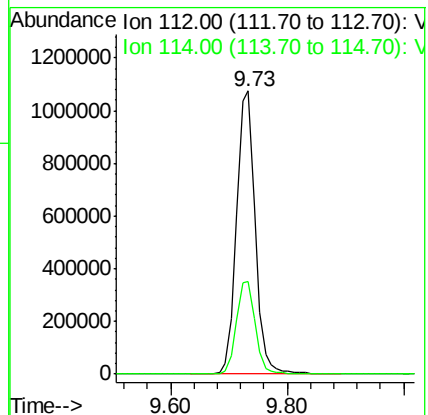
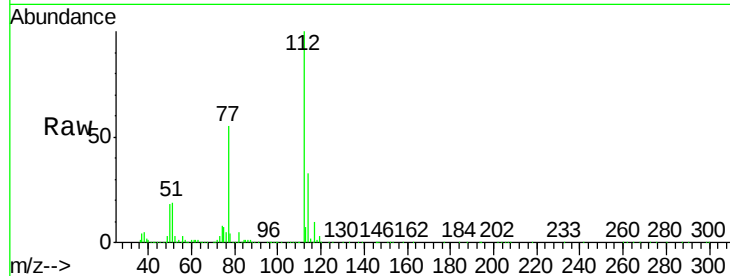
VSTDIC075

Tot Ion:112 Resp: 2384076

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



#65

1,1,1,2-Tetrachloroethane

Concen: 84.75 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

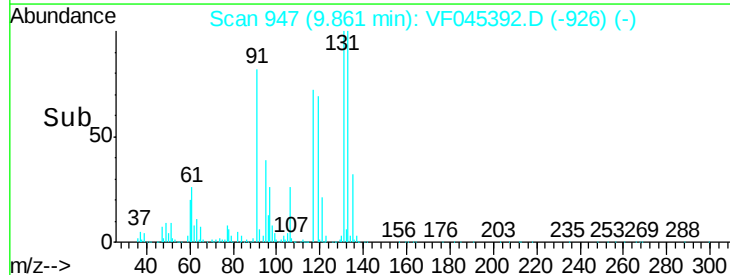
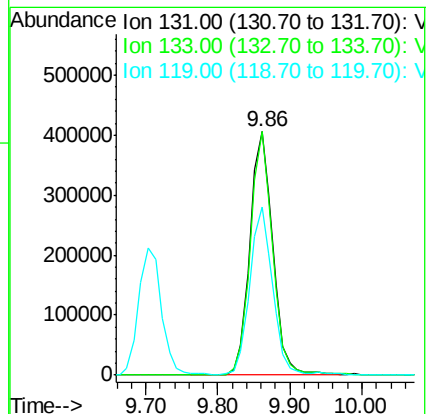
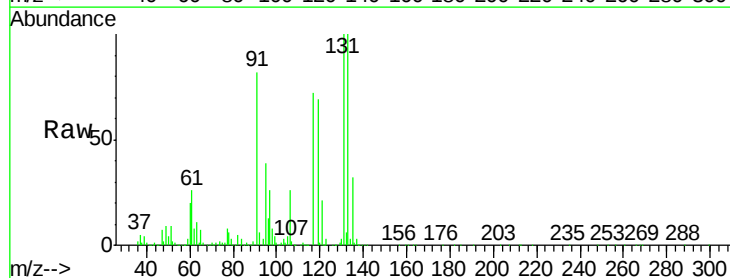
Tgt Ion:131 Resp: 904837

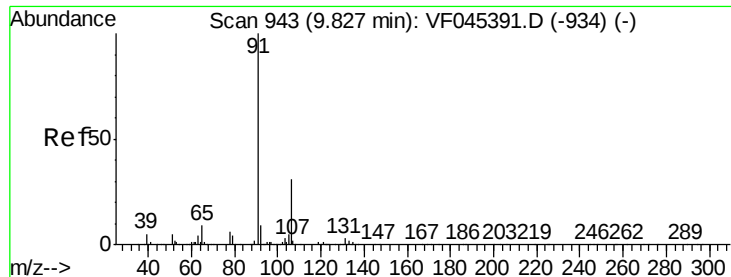
Ion Ratio Lower Upper

131 100

133 99.8 48.1 144.4

119 69.2 34.8 104.5





#66

Ethyl Benzene

Concen: 72.46 ug/l

RT: 9.83 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

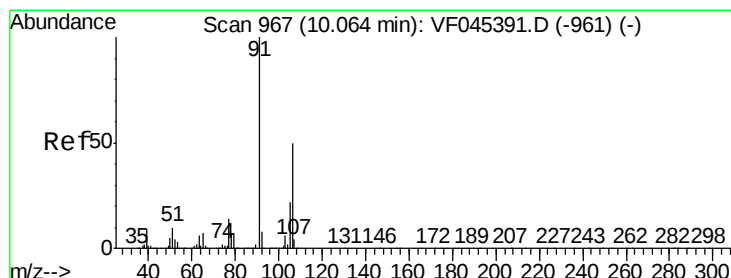
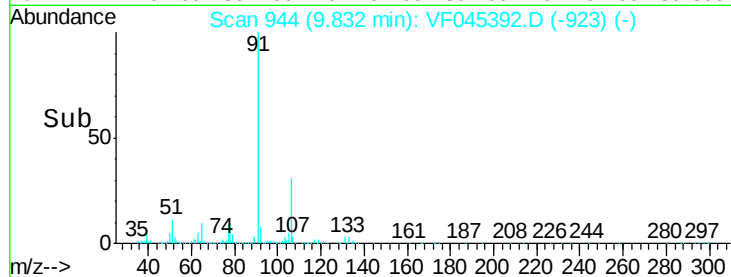
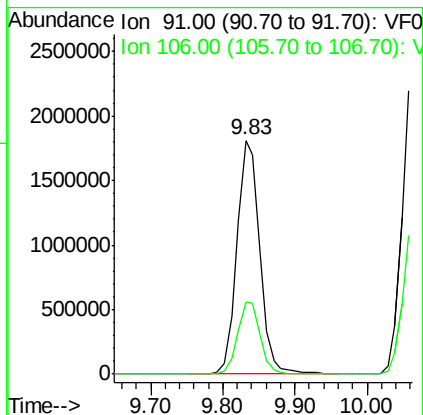
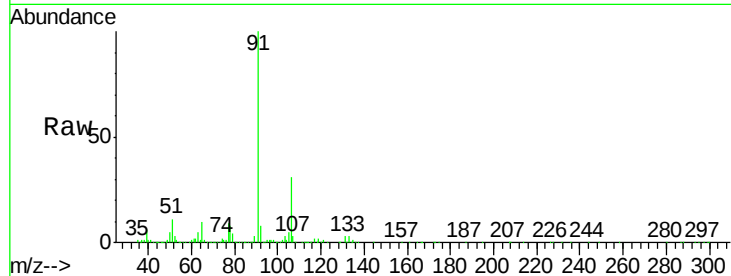
VSTDIC075

Tot Ion: 91 Resp: 4000240

Ion Ratio Lower Upper

91 100

106 30.9 23.6 35.4



#67

m/p-Xylenes

Concen: 150.03 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF045392.D

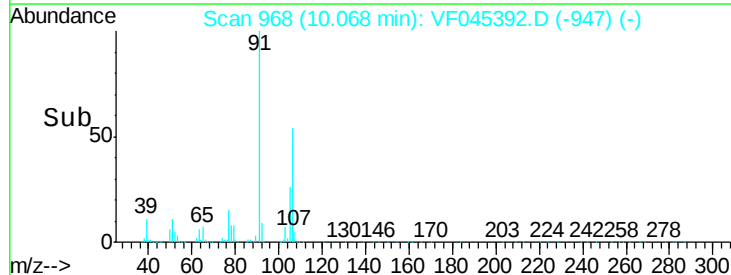
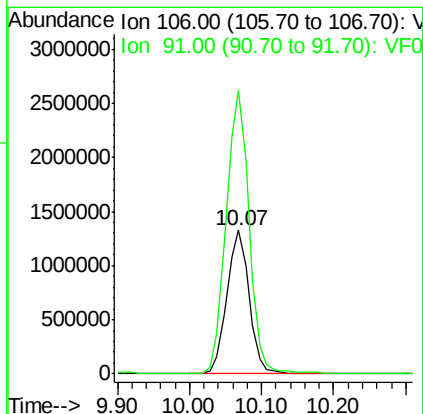
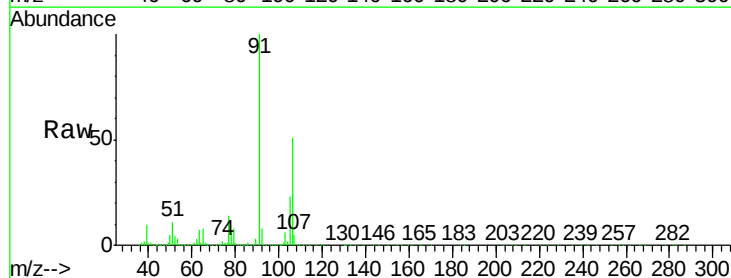
Acq: 16 Sep 2015 15:08

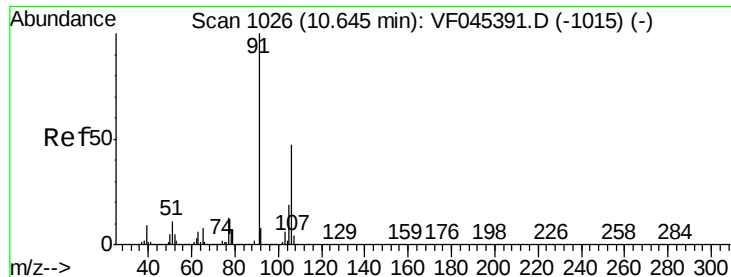
Tgt Ion: 106 Resp: 2871058

Ion Ratio Lower Upper

106 100

91 197.0 166.1 249.1

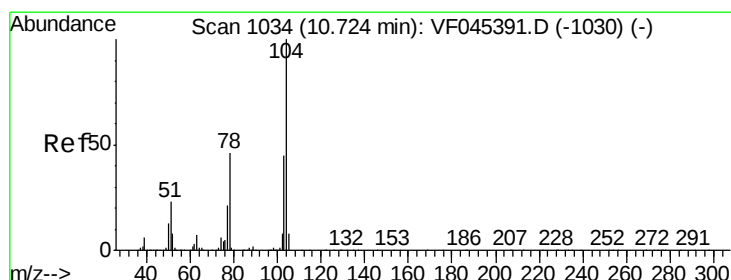
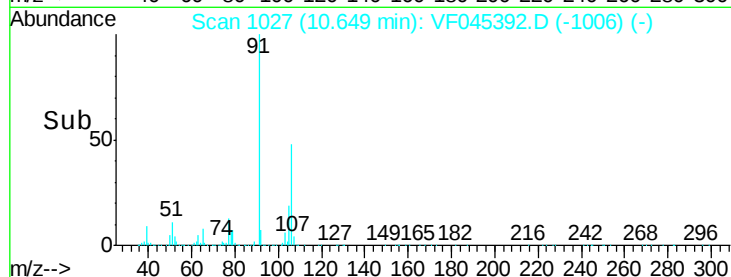
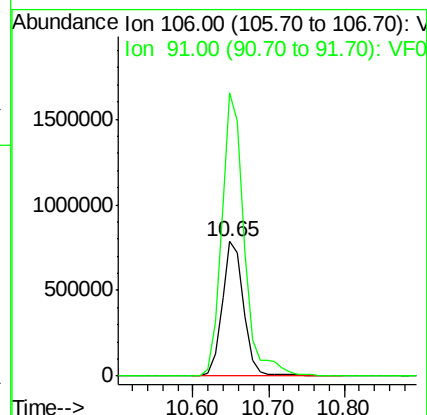
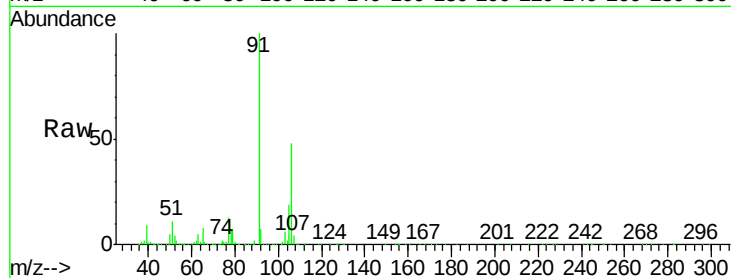




#68
o-Xylene
Concen: 77.71 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

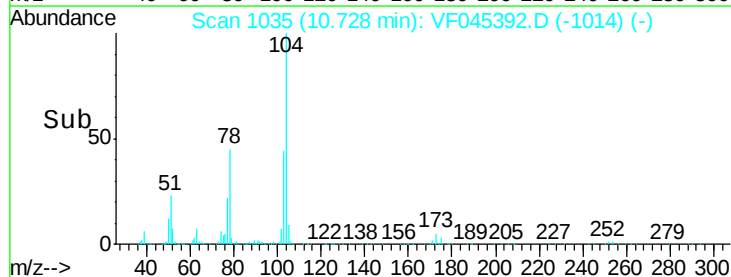
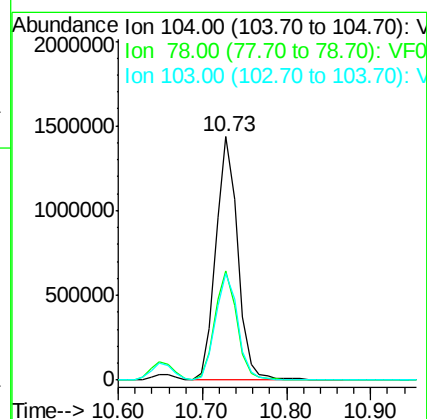
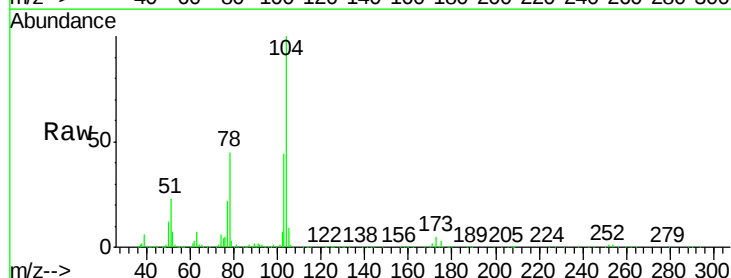
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

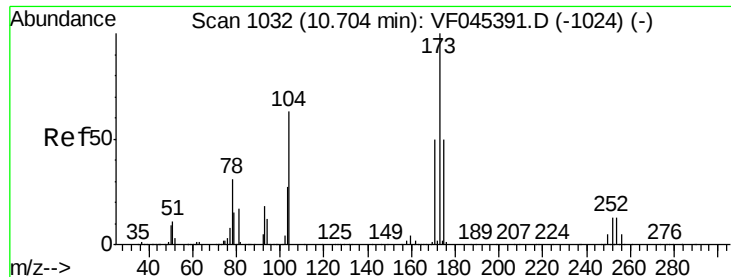
Tot Ion:106 Resp: 1557452
Ion Ratio Lower Upper
106 100
91 210.2 108.1 324.2



#69
Styrene
Concen: 80.36 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion:104 Resp: 2582402
Ion Ratio Lower Upper
104 100
78 45.0 34.2 51.4
103 43.7 36.7 55.1

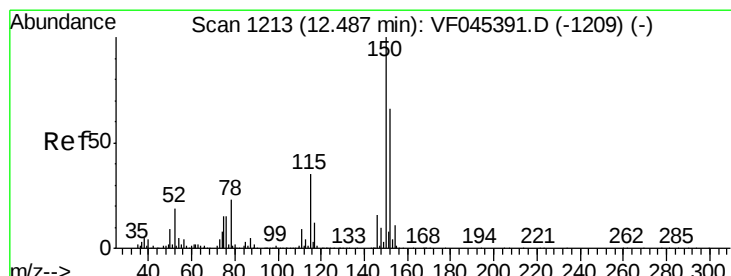
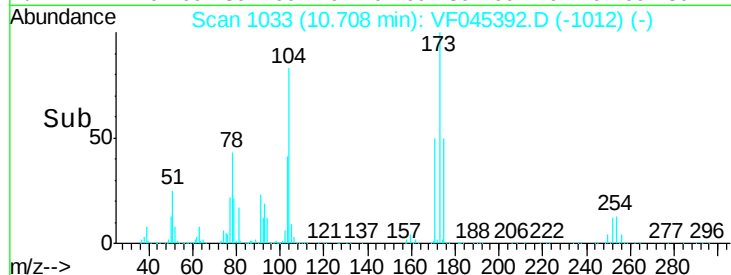
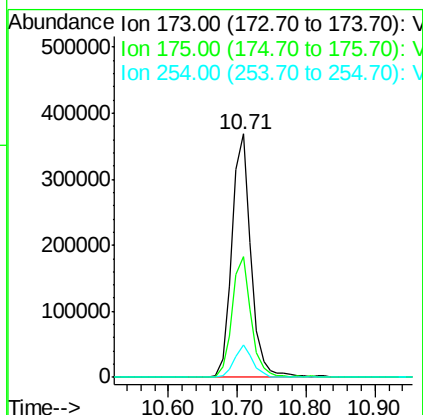
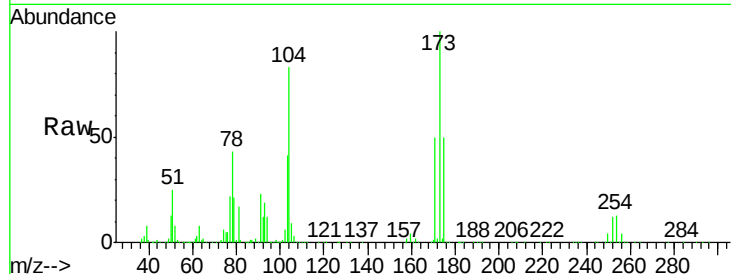




#70
Bromoform
Concen: 93.32 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

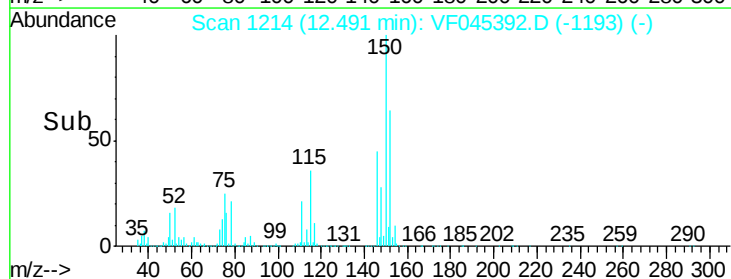
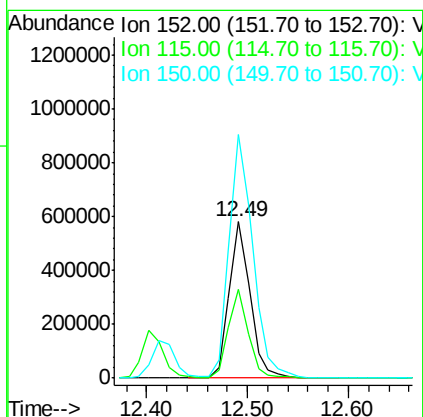
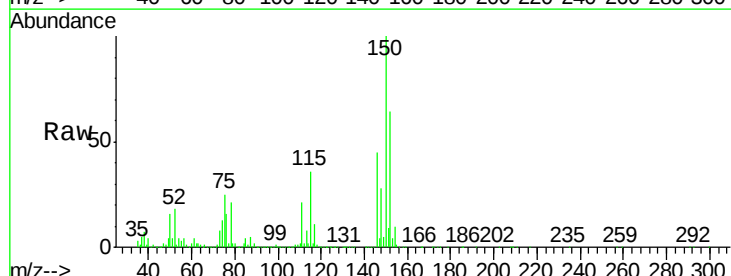
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

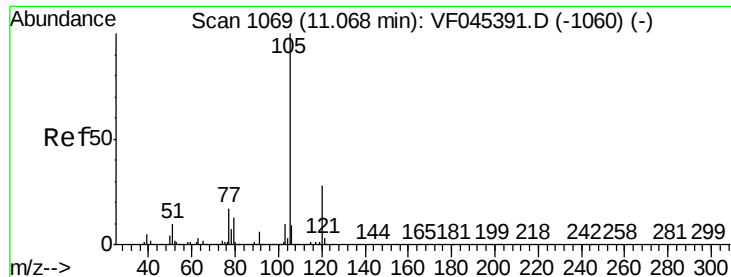
Tot Ion:173 Resp: 705421
Ion Ratio Lower Upper
173 100
175 49.7 25.7 77.0
254 13.3 9.8 14.6



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion:152 Resp: 841351
Ion Ratio Lower Upper
152 100
115 56.3 28.3 85.0
150 155.6 0.0 324.2





#72

Isopropylbenzene

Concen: 67.58 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

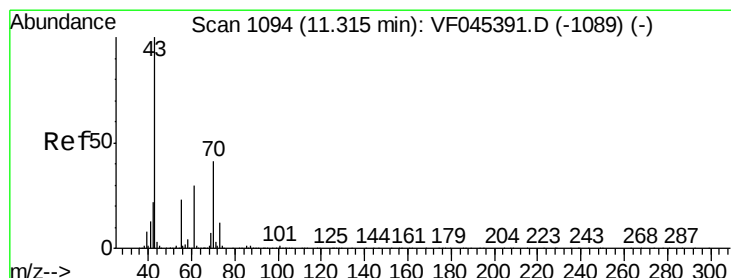
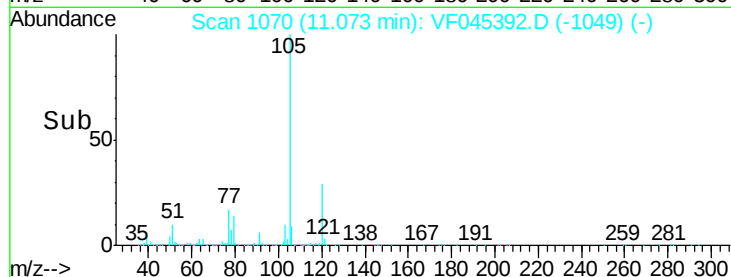
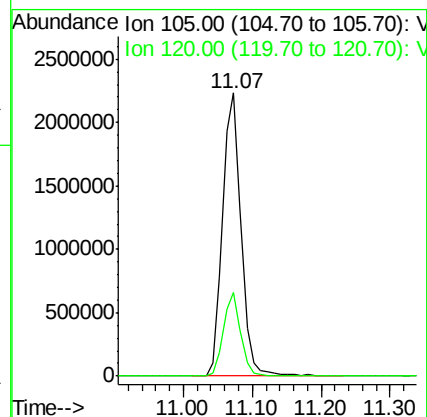
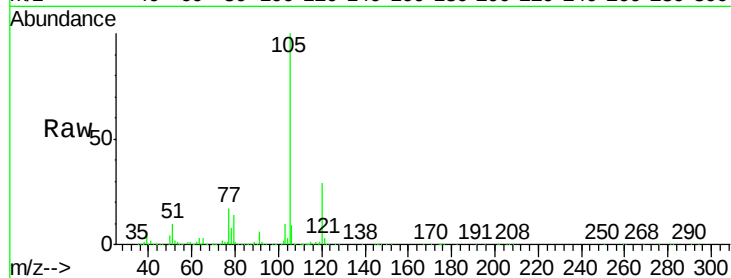
VSTDIC075

Tot Ion:105 Resp: 4161681

Ion Ratio Lower Upper

105 100

120 29.4 13.0 39.0



#73

N-ethyl acetate

Concen: 56.82 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion: 43 Resp: 1209321

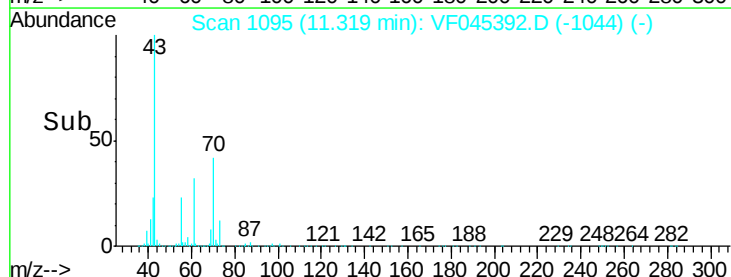
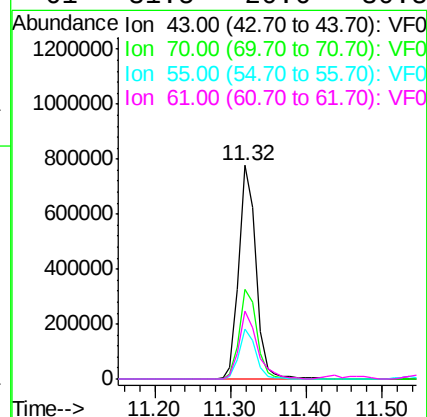
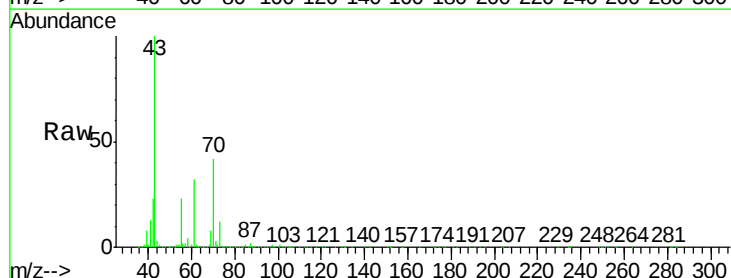
Ion Ratio Lower Upper

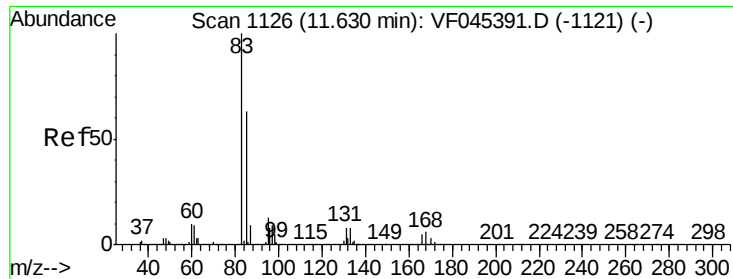
43 100

70 41.9 30.0 45.0

55 23.2 16.8 25.2

61 31.5 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 63.66 ug/l

RT: 11.63 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

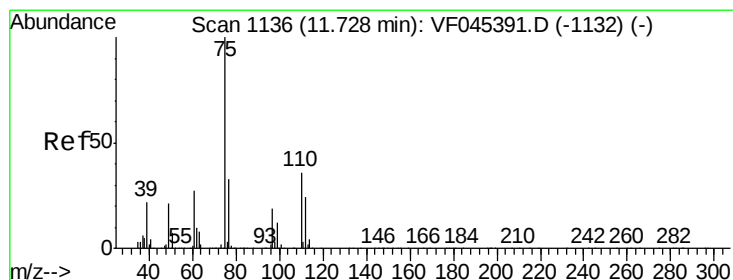
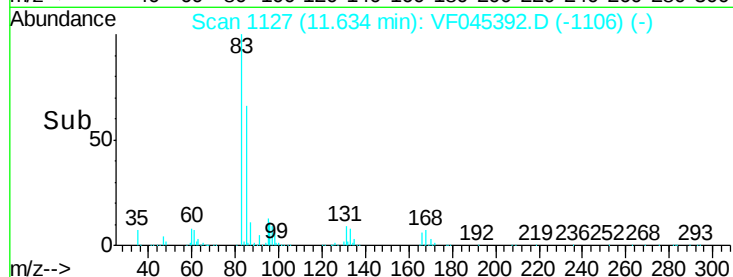
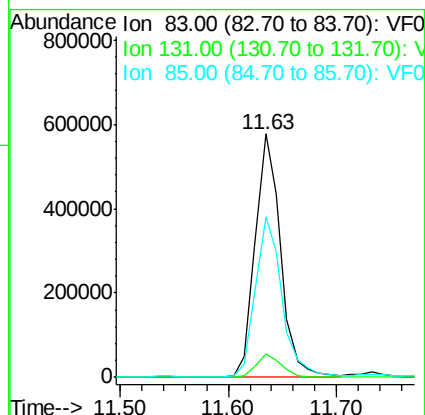
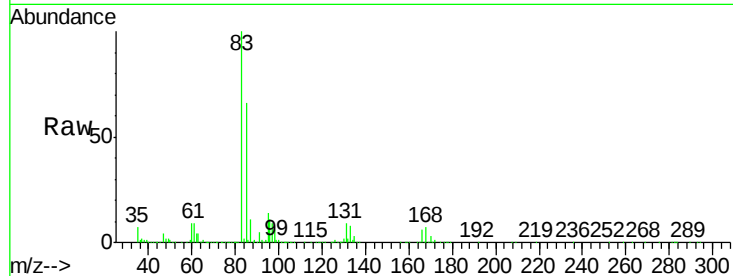
Tot Ion: 83 Resp: 941176

Ion Ratio Lower Upper

83 100

131 9.5 4.2 12.6

85 66.0 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 63.46 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VF045392.D

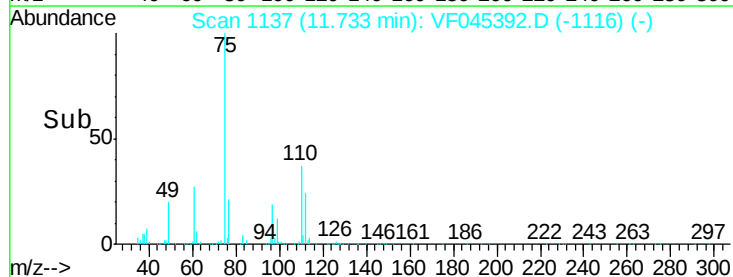
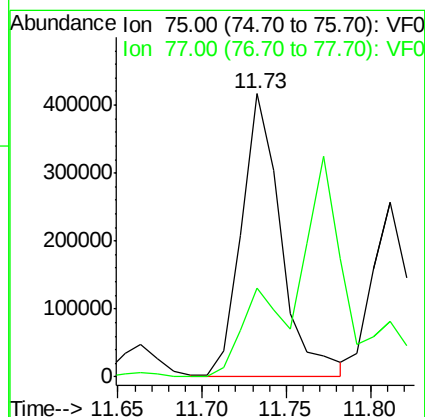
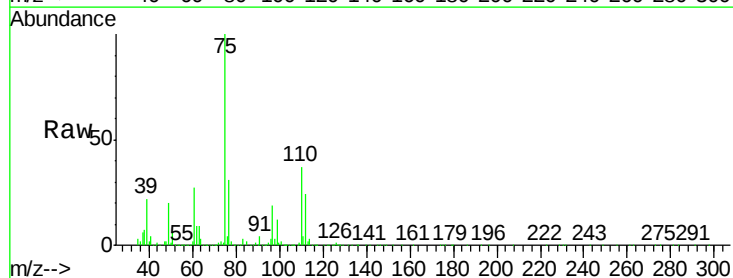
Acq: 16 Sep 2015 15:08

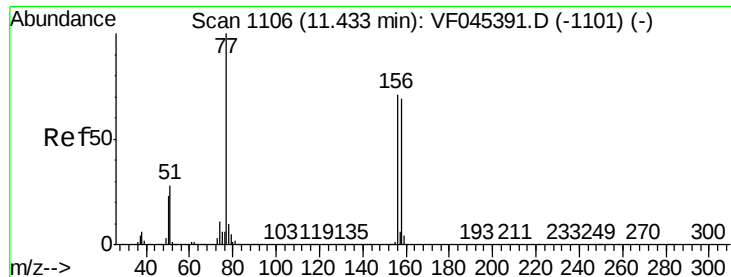
Tgt Ion: 75 Resp: 675351

Ion Ratio Lower Upper

75 100

77 31.2 15.0 45.1

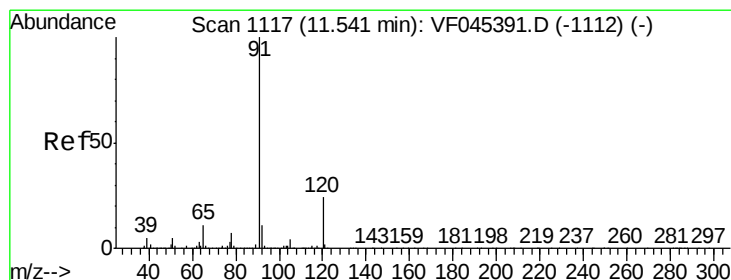
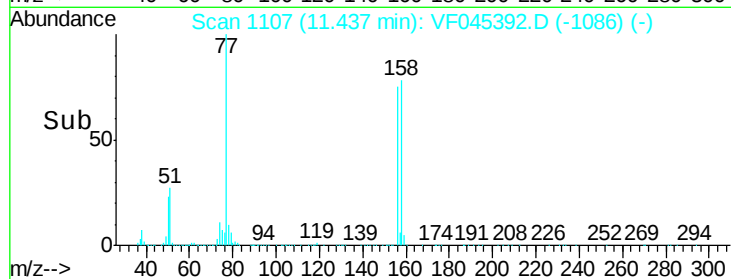
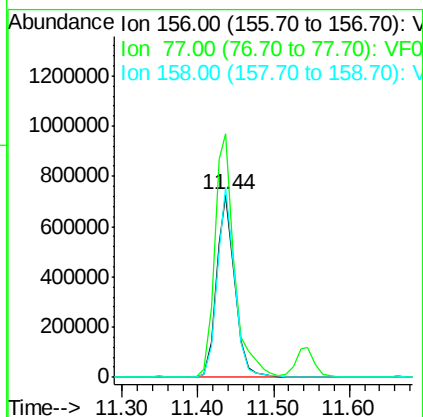
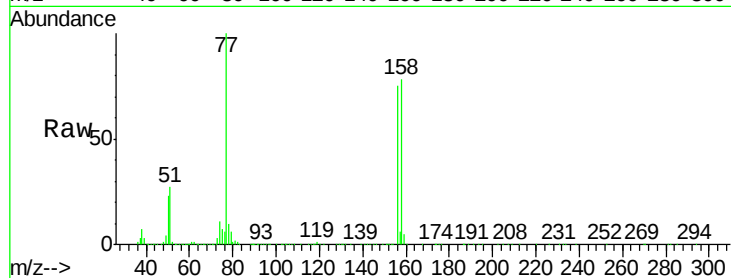




#76
Bromobenzene
Concen: 77.66 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

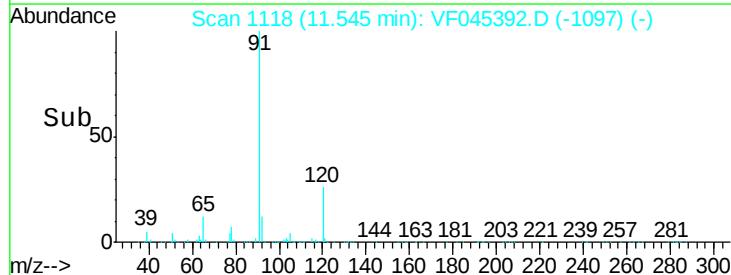
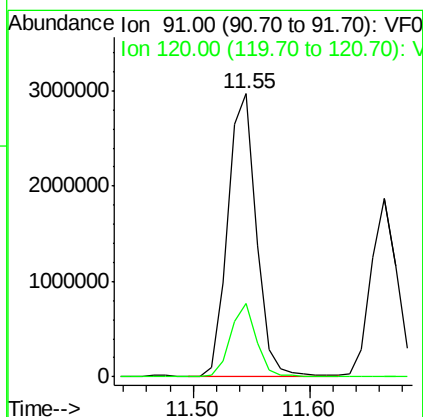
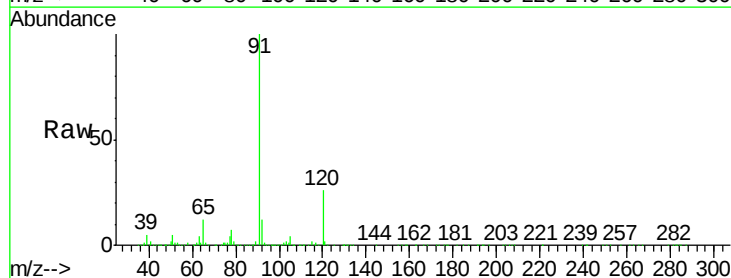
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

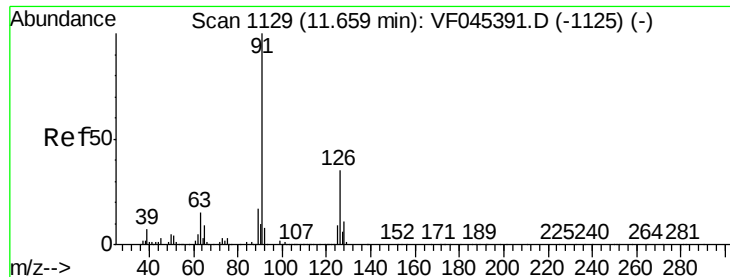
Tot Ion:156 Resp: 1231054
Ion Ratio Lower Upper
156 100
77 133.2 74.8 224.3
158 104.2 49.5 148.7



#77
n-propylbenzene
Concen: 64.22 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion: 91 Resp: 5071057
Ion Ratio Lower Upper
91 100
120 25.8 11.6 34.7





#78

2-Chlorotoluene

Concen: 66.65 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

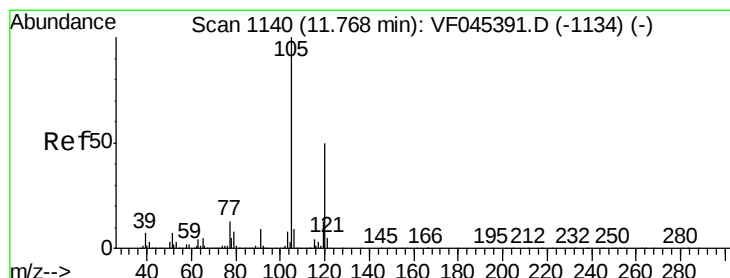
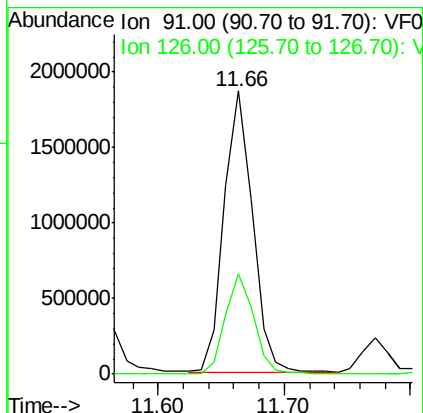
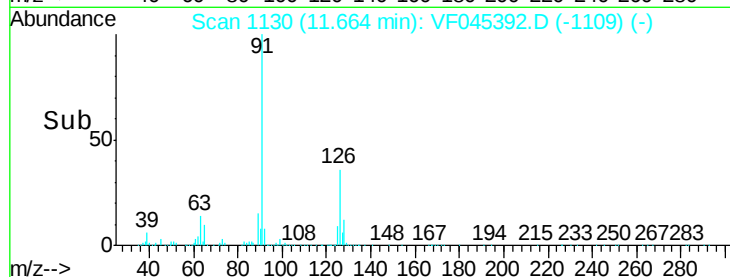
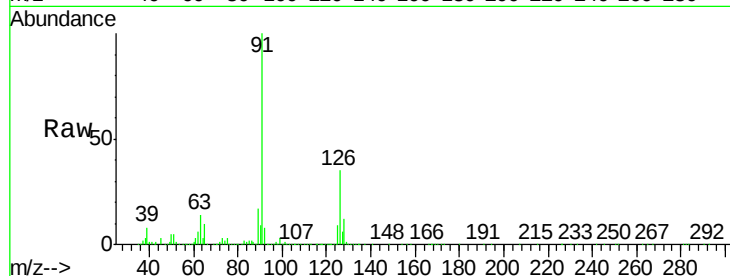
VSTDIC075

Tot Ion: 91 Resp: 2922844

Ion Ratio Lower Upper

91 100

126 35.5 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 69.56 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF045392.D

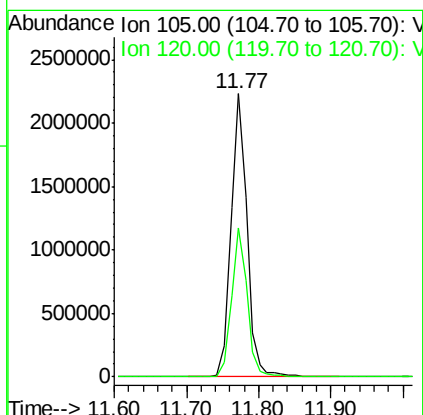
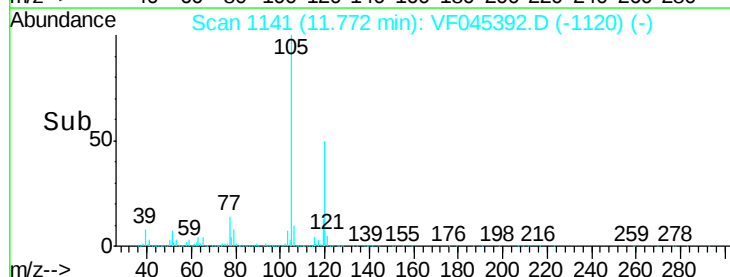
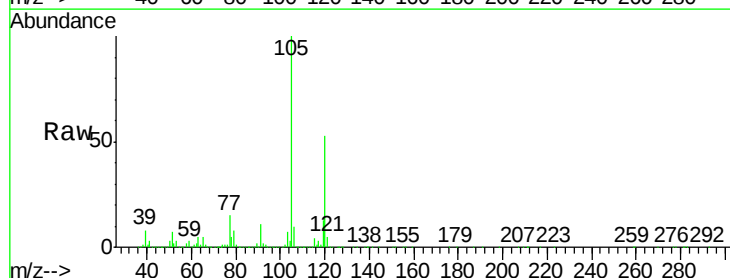
Acq: 16 Sep 2015 15:08

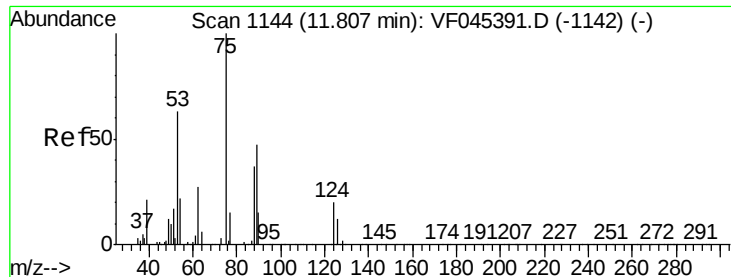
Tgt Ion: 105 Resp: 3429037

Ion Ratio Lower Upper

105 100

120 52.8 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 92.06 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

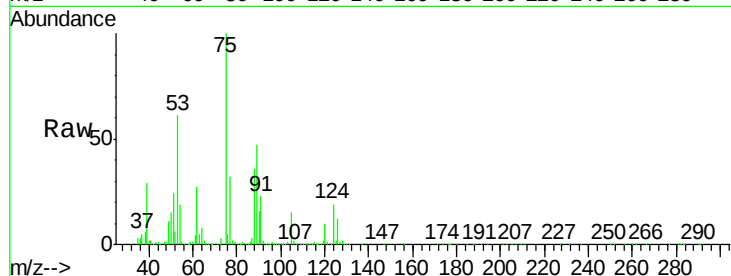
MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 478176

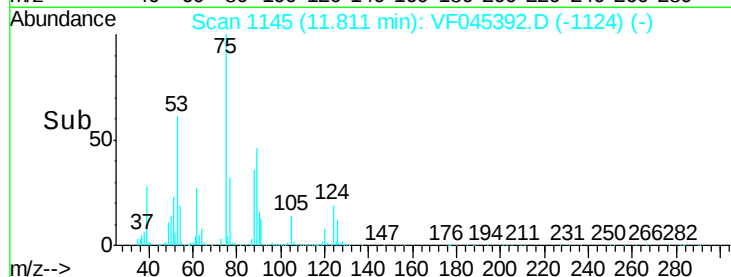
Ion	Ratio	Lower	Upper
75	100		
53	61.0	51.0	76.6
89	46.8	38.6	57.8



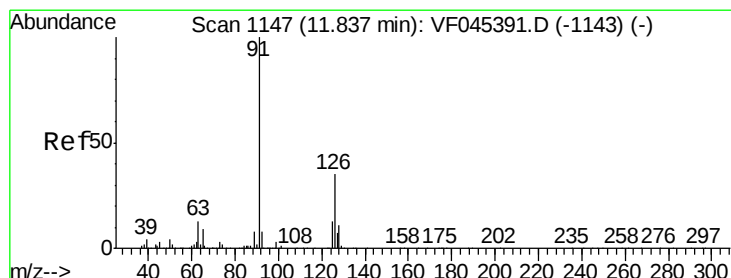
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#81

4-Chlorotoluene

Concen: 69.02 ug/l

RT: 11.84 min Scan# 1148

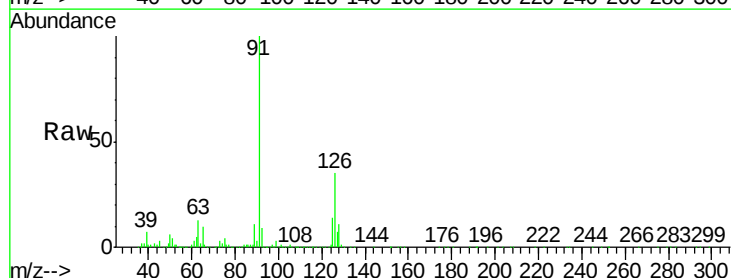
Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

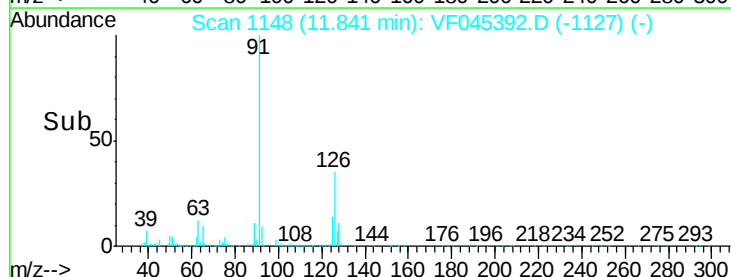
Tgt Ion: 91 Resp: 3244952

Ion	Ratio	Lower	Upper
91	100		
126	35.1	15.8	47.4

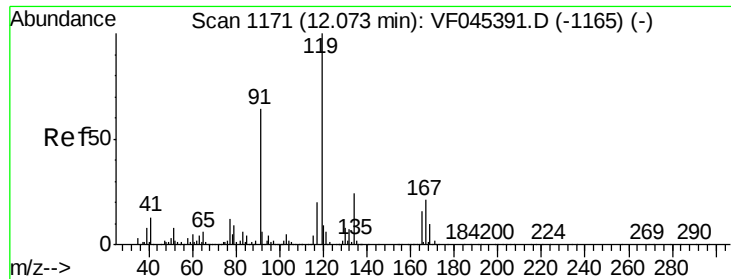


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



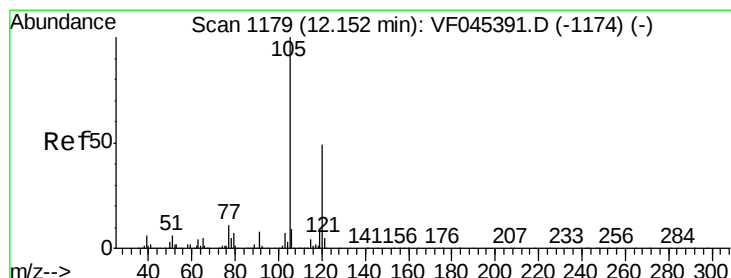
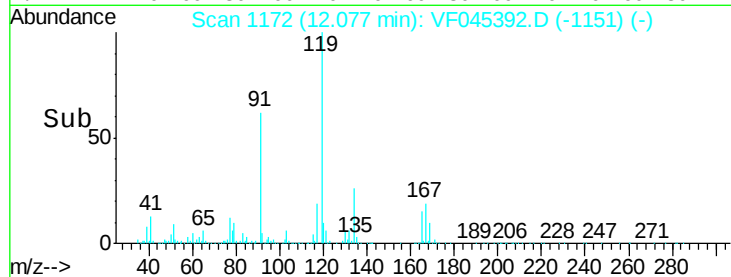
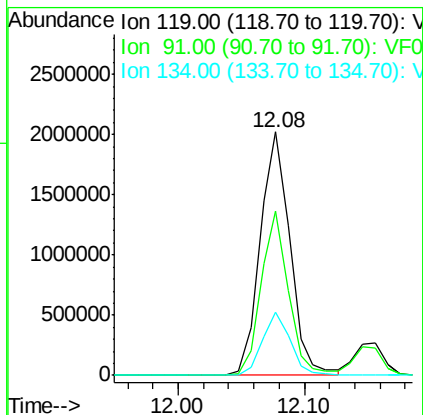
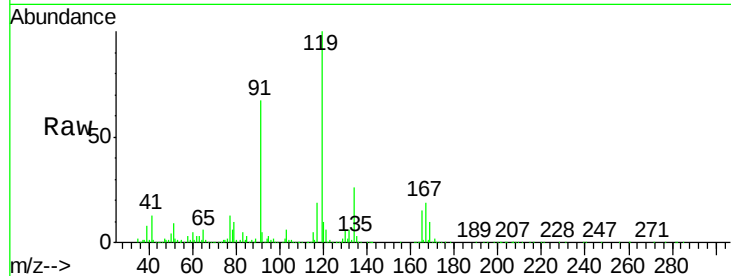
Time-->



#82
 tert-Butylbenzene
 Concen: 69.98 ug/l
 RT: 12.08 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

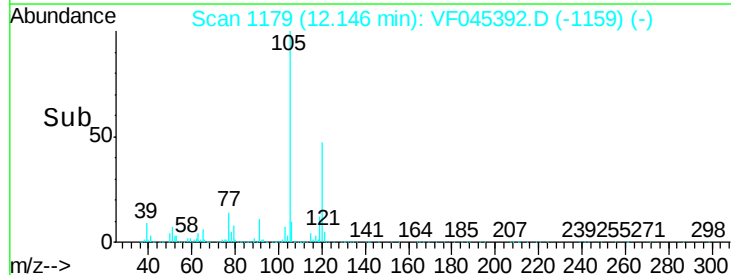
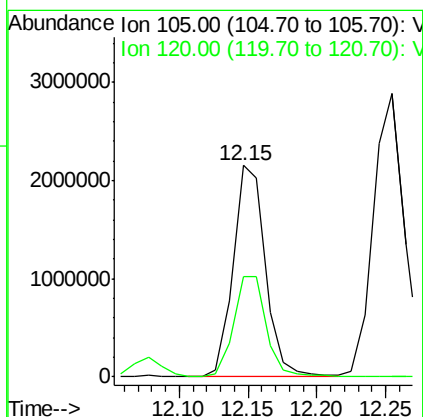
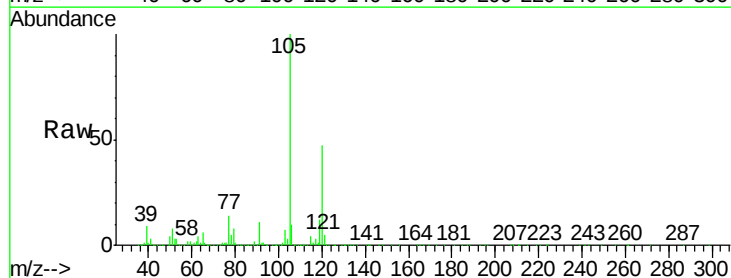
Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

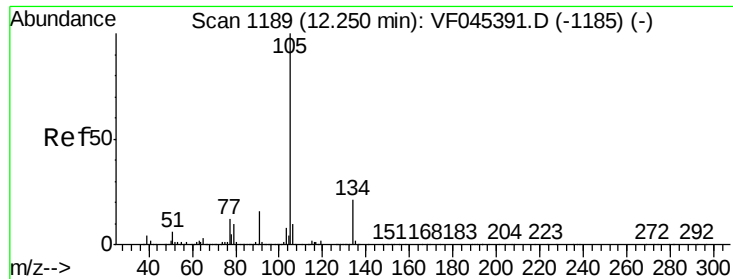
Tot Ion:119 Resp: 333524
 Ion Ratio Lower Upper
 119 100
 91 67.3 31.1 93.2
 134 26.1 12.2 36.6



#83
 1,2,4-Trimethylbenzene
 Concen: 70.43 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion:105 Resp: 3510586
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.9 68.7

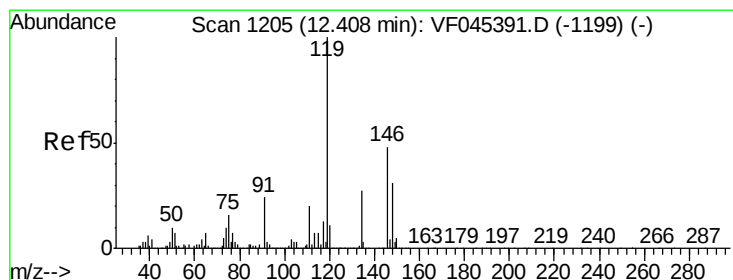
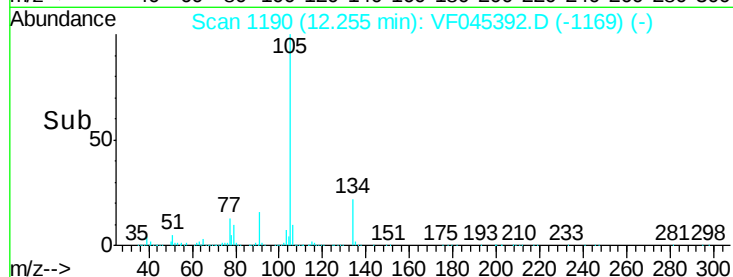
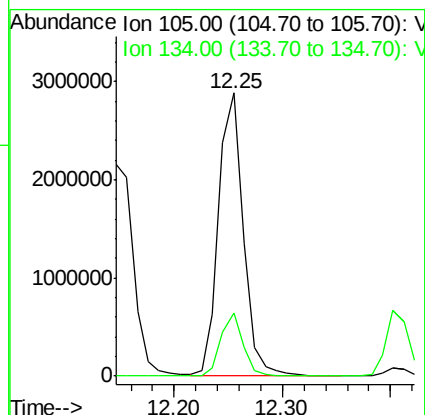
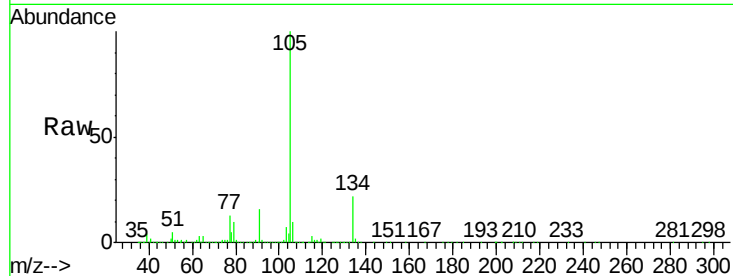




#84
 sec-Butylbenzene
 Concen: 70.01 ug/l
 RT: 12.25 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

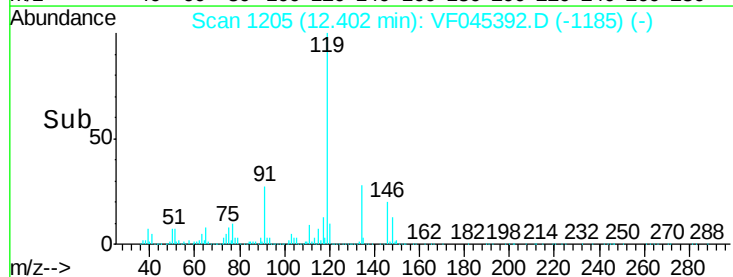
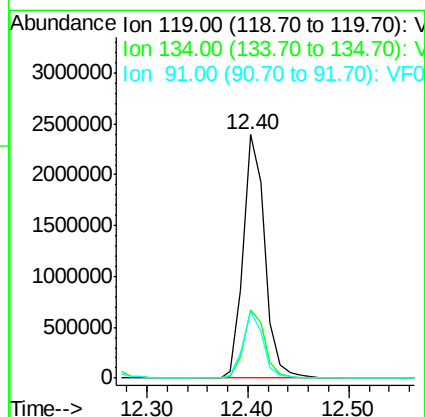
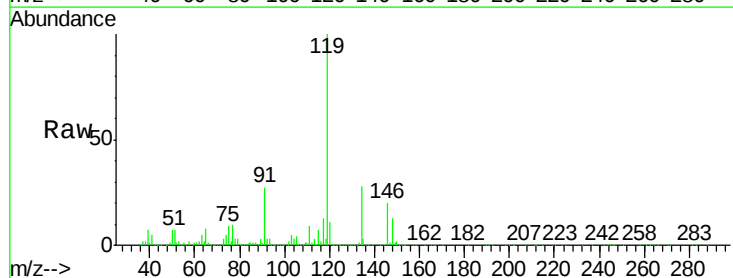
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

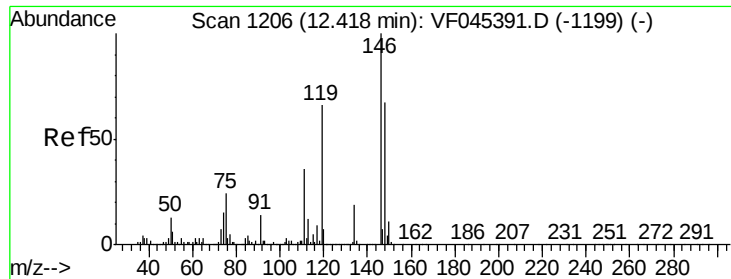
Tot Ion:105 Resp: 4591189
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 72.09 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion:119 Resp: 3564680
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.0 38.9
 91 27.4 12.2 36.6



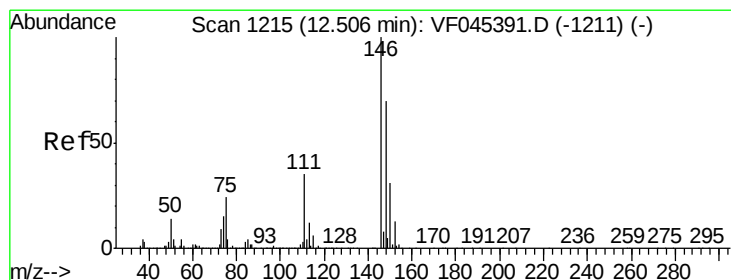
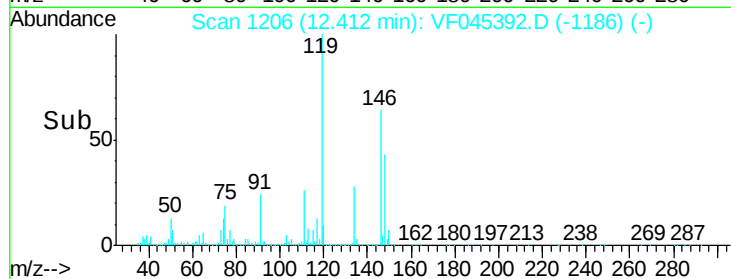
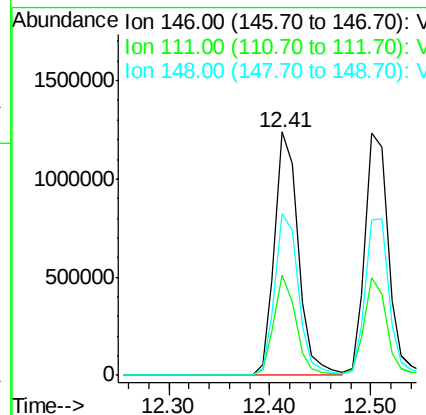
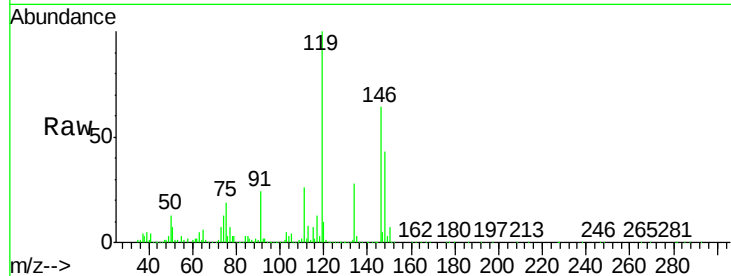


#86
 1,3-Dichlorobenzene
 Concen: 76.33 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 2022677

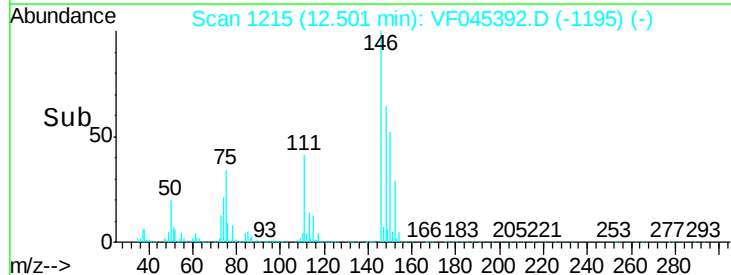
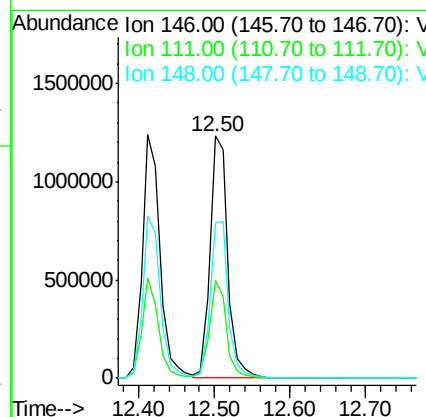
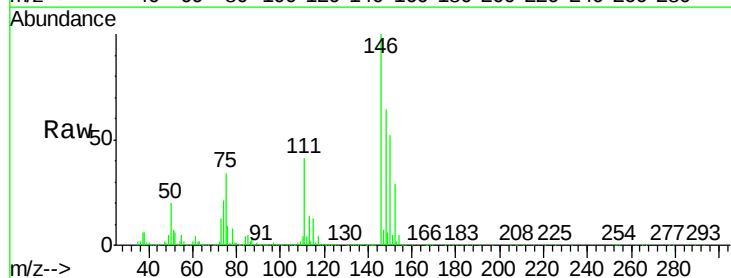
Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.9	59.7
148	66.6	32.5	97.4

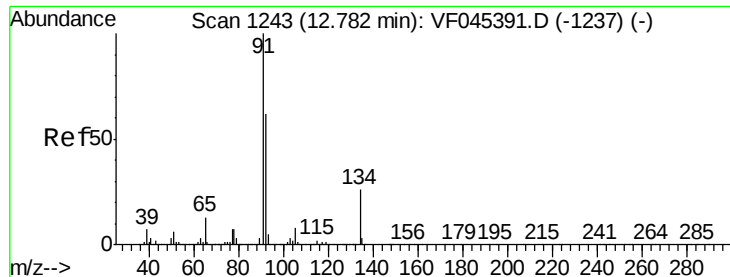


#87
 1,4-Dichlorobenzene
 Concen: 76.07 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion:146 Resp: 2012640

Ion	Ratio	Lower	Upper
146	100		
111	40.5	17.3	52.0
148	64.0	32.4	97.0





#88

n-Butylbenzene

Concen: 69.59 ug/l

RT: 12.79 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

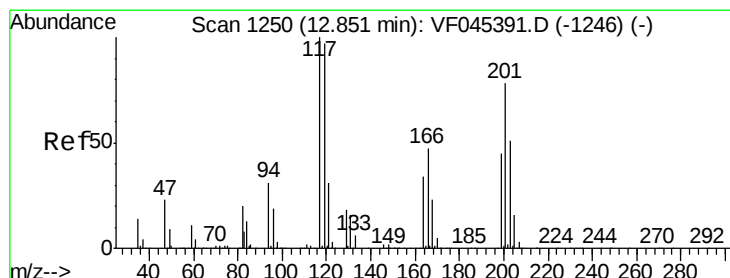
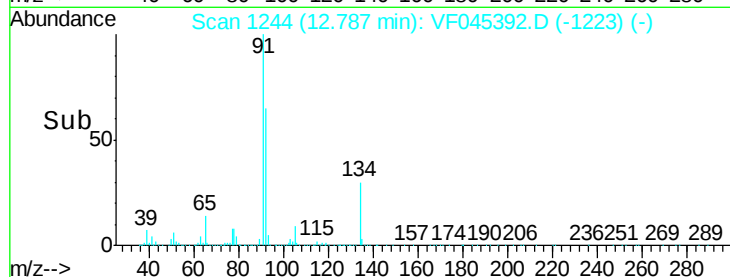
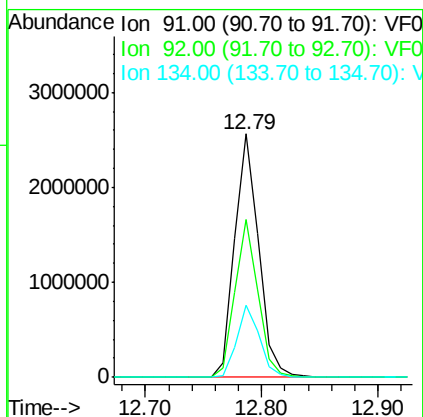
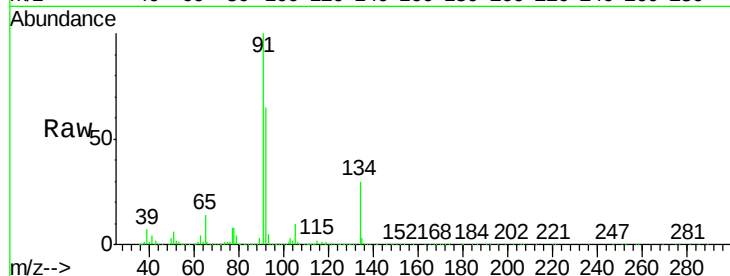
Tot Ion: 91 Resp: 3662473

Ion	Ratio	Lower	Upper
91	100		
92	64.6	30.1	90.5
134	29.5	13.8	41.4

91 100

92 64.6 30.1 90.5

134 29.5 13.8 41.4



#89

Hexachloroethane

Concen: 82.88 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF045392.D

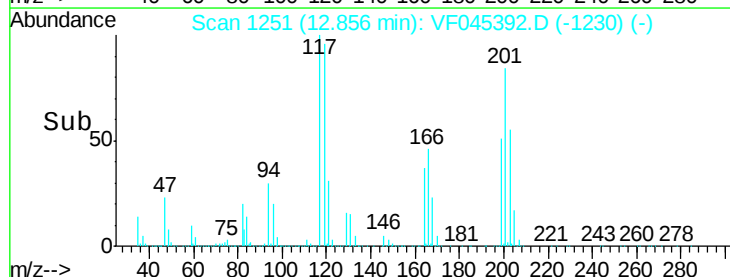
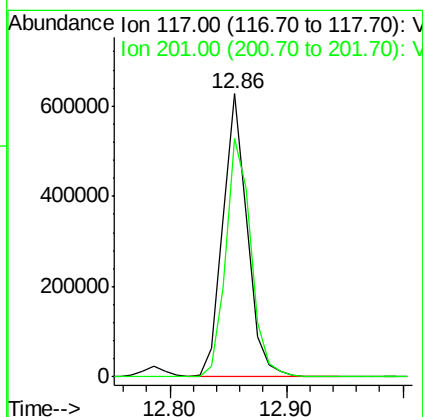
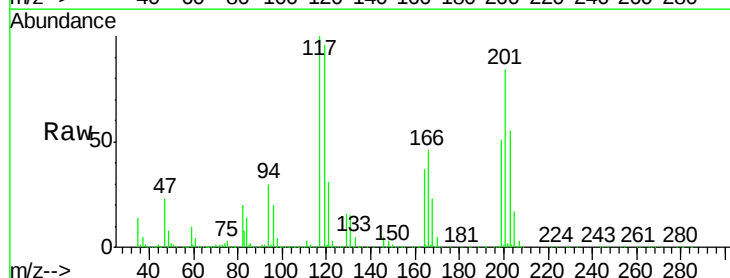
Acq: 16 Sep 2015 15:08

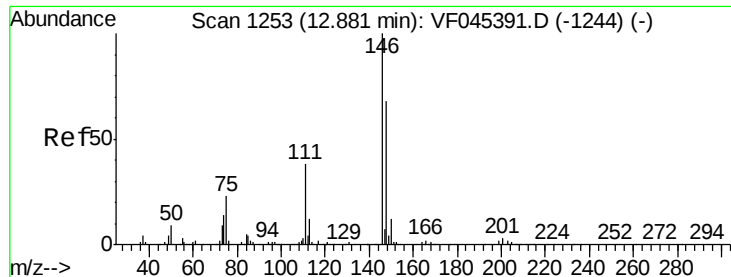
Tgt Ion: 117 Resp: 905406

Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.0	126.1

117 100

201 84.1 42.0 126.1

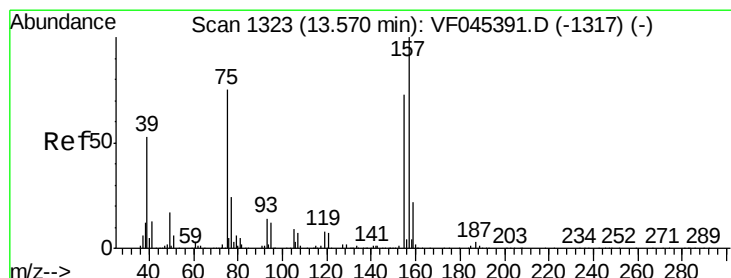
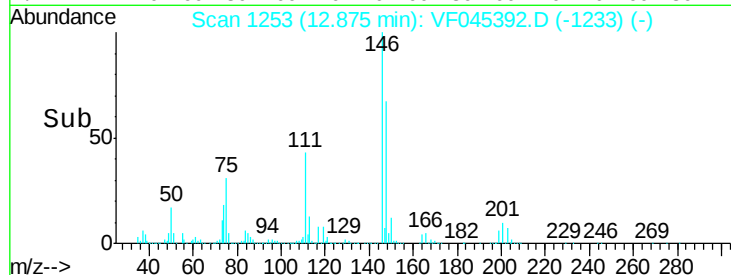
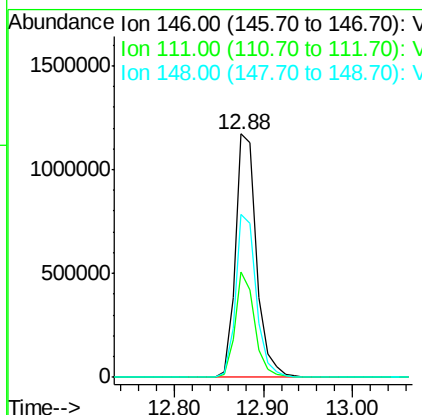
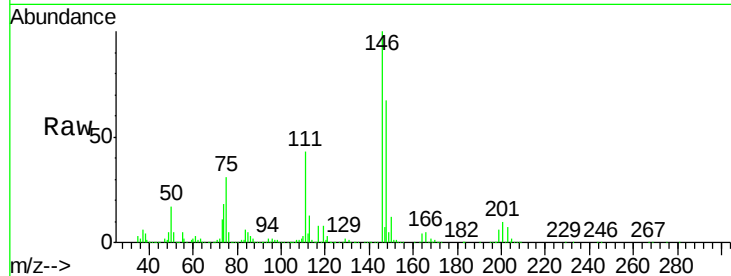




#90
 1,2-Dichlorobenzene
 Concen: 80.63 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

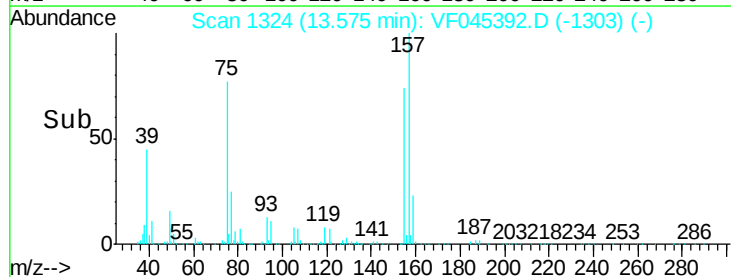
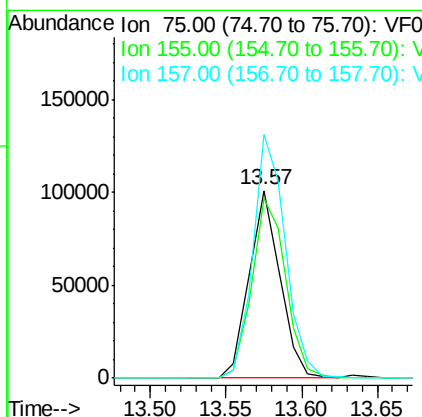
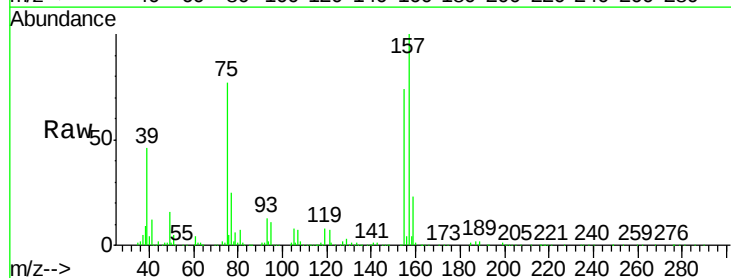
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

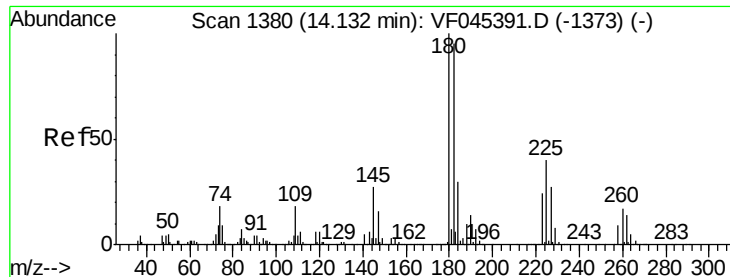
Tot Ion:146 Resp: 1945983
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.4 64.3
 148 66.7 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 82.68 ug/l
 RT: 13.57 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion: 75 Resp: 144348
 Ion Ratio Lower Upper
 75 100
 155 95.3 49.2 147.6
 157 129.6 66.8 200.4

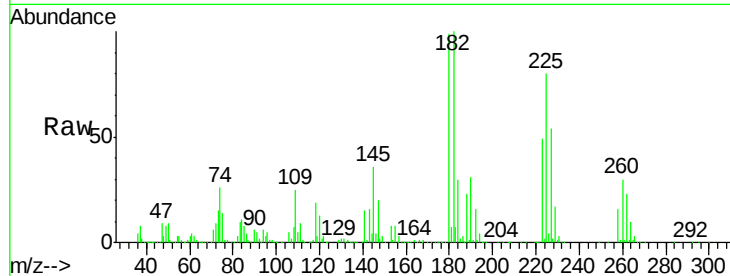




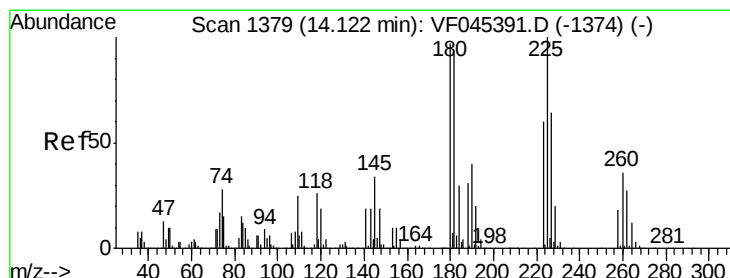
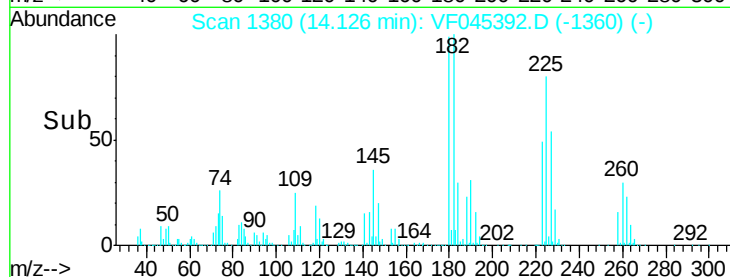
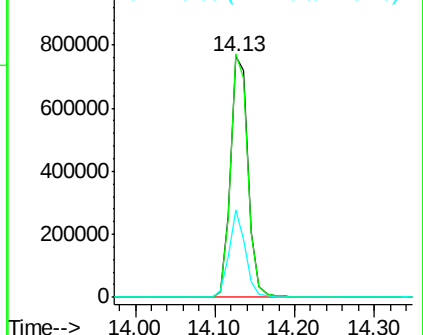
#92
 1,2,4-Trichlorobenzene
 Concen: 92.25 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 1203854
 Ion Ratio Lower Upper
 180 100
 182 101.1 49.4 148.0
 145 36.4 16.7 50.1

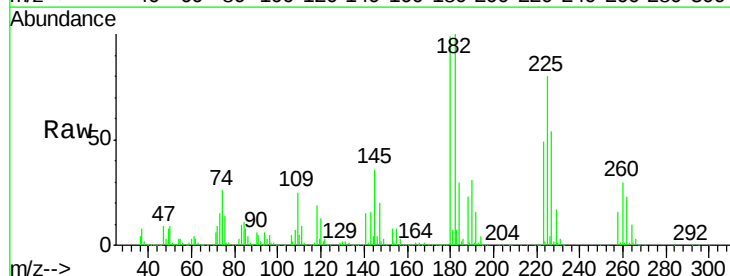


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

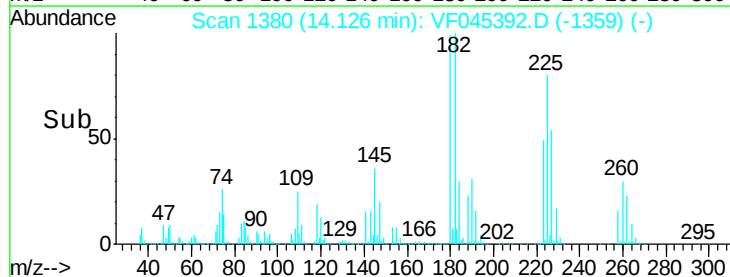
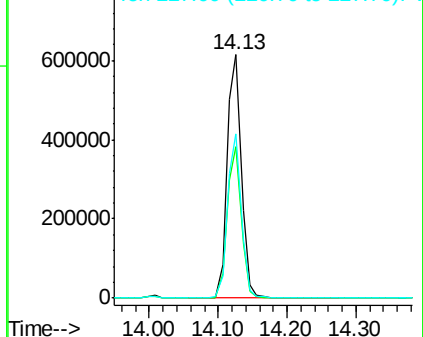


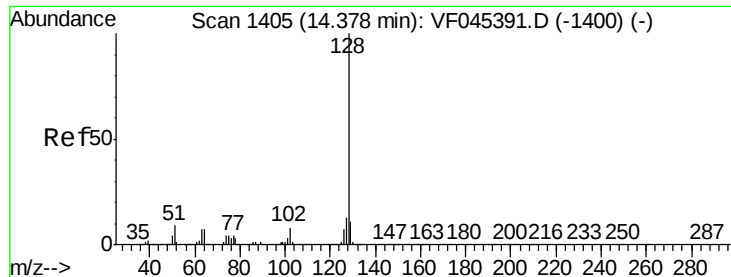
#93
 Hexachlorobutadiene
 Concen: 87.86 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion:225 Resp: 881045
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.5
 227 67.4 32.9 98.7



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#94

Naphthalene

Concen: 94.50 ug/l

RT: 14.38 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

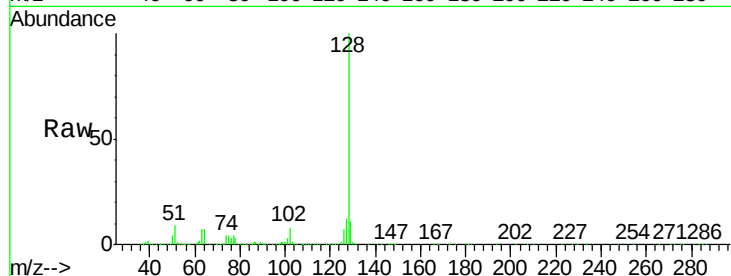
Tot Ion:128 Resp: 2174279

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.8

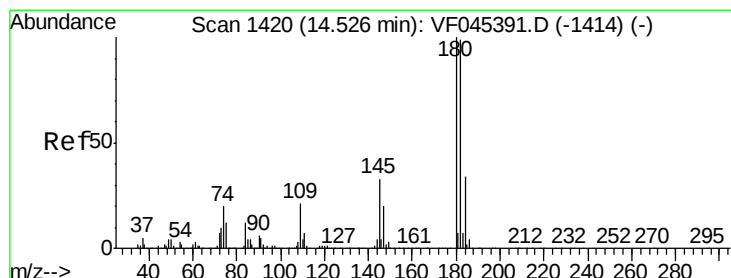
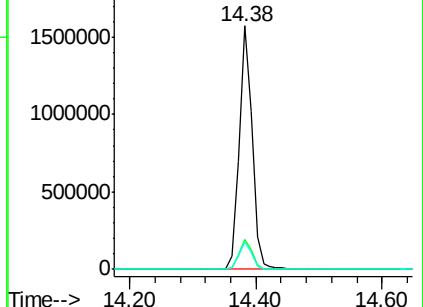
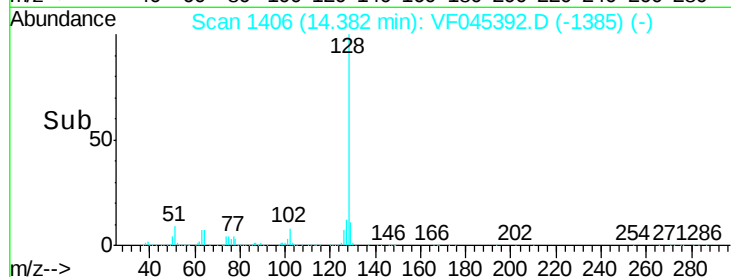
129 11.2 8.8 13.2



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: 98.28 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

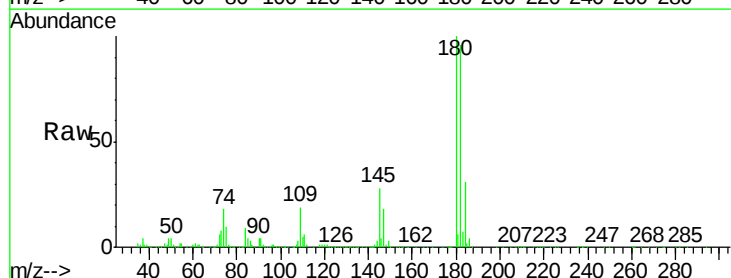
Tgt Ion:180 Resp: 1034370

Ion Ratio Lower Upper

180 100

182 95.6 47.6 142.8

145 28.4 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

