

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045409.D
 Acq On : 17 Sep 2015 16:29
 Operator : FY/SY
 Sample : G3708-04MS
 Misc : 11.25g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Quant Time: Sep 18 01:18:56 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1004656	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.55	114	1451953	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1326783	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.49	152	764910	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.79	65	488100	45.24	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.48%	
34) Dibromofluoromethane	4.05	113	554229	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
49) Toluene-d8	7.51	98	1744198	52.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.28%	
61) 4-Bromofluorobenzene	11.36	95	762393	47.87	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	445037	52.01	ug/l	98
3) Chloromethane	1.03	50	364165	49.71	ug/l	94
4) Vinyl Chloride	1.10	62	329376	52.46	ug/l	94
5) Bromomethane	1.26	94	202847	52.03	ug/l	99
6) Chloroethane	1.33	64	153967	61.54	ug/l	89
7) Trichlorofluoromethane	1.40	101	320451	24.87	ug/l	98
8) Diethyl Ether	1.60	74	138526	51.44	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.79	101	394363	53.19	ug/l	98
10) Methyl Iodide	1.82	142	753825	49.72	ug/l	95
11) Tert butyl alcohol	2.51	59	15842	130.67	ug/l #	65
12) 1,1-Dichloroethene	1.72	96	322114	52.30	ug/l	94
13) Acrolein	1.97	56	109819	218.61	ug/l	94
14) Allyl chloride	2.06	41	501342	52.46	ug/l	99
15) Acrylonitrile	2.89	53	241725	208.63	ug/l	93
16) Acetone	2.19	43	529972	216.38	ug/l	97
17) Carbon Disulfide	1.74	76	1074308	51.19	ug/l	99
18) Methyl Acetate	2.31	43	395547	42.10	ug/l	94
19) Methyl tert-butyl Ether	2.39	73	195629	40.37	ug/l	98
20) Methylene Chloride	2.14	84	349679	52.83	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	350698	50.79	ug/l	89
22) Diisopropyl ether	2.75	45	1010171	49.59	ug/l	98
23) Vinyl Acetate	3.14	43	1416577	238.25	ug/l	98
24) 1,1-Dichloroethane	2.83	63	728889	52.87	ug/l	99
25) 2-Butanone	4.27	43	703920	205.45	ug/l	99
26) 2,2-Dichloropropane	3.55	77	676768	52.71	ug/l	93
27) cis-1,2-Dichloroethene	3.42	96	547935	51.38	ug/l	96
28) Bromochloromethane	3.66	49	217984	40.26	ug/l #	90
29) Chloroform	3.81	83	1020655	52.66	ug/l	98
30) Cyclohexane	3.65	56	668805	53.76	ug/l	99
31) 1,1,1-Trichloroethane	4.04	97	831805	51.81	ug/l	98
35) 1,1-Dichloropropene	4.23	75	739398	53.68	ug/l	95
36) Ethyl Acetate	4.05	43	290455	41.67	ug/l #	1
37) Carbon Tetrachloride	3.94	117	782171	53.90	ug/l	97
38) Methylcyclohexane	5.41	83	818054	55.25	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.59	78	1758867	54.62	ug/l	97
40) Methacrylonitrile	4.69	41	134983	40.91	ug/l	91
41) 1,2-Dichloroethane	4.89	62	613794	47.25	ug/l	95
42) Isopropyl Acetate	6.91	43	422502	46.01	ug/l #	98
43) Trichloroethene	5.46	130	620633	56.43	ug/l	97
44) 1,2-Dichloropropane	6.19	63	503515	53.66	ug/l	97
45) Dibromomethane	6.03	93	339216	50.81	ug/l	97
46) Bromodichloromethane	6.34	83	777884	52.03	ug/l	97
47) Methyl methacrylate	6.67	41	257231	46.15	ug/l	91
48) 1,4-Dioxane	6.65	88	40950	613.34	ug/l #	84
50) 4-Methyl-2-Pentanone	8.21	43	1452925	222.51	ug/l	95
51) Toluene	7.58	92	1357445	54.70	ug/l	97
52) t-1,3-Dichloropropene	8.23	75	711678	52.96	ug/l	100
53) cis-1,3-Dichloropropene	7.25	75	811139	51.11	ug/l	96
54) 1,1,2-Trichloroethane	8.44	97	403074	48.03	ug/l	94
55) Ethyl methacrylate	8.57	69	526141	48.19	ug/l	95
56) 1,3-Dichloropropane	8.80	76	666111	48.66	ug/l	99
58) 2-Hexanone	9.44	43	1191699	229.29	ug/l	97
59) Dibromochloromethane	8.66	129	587809	49.42	ug/l	99
60) 1,2-Dibromoethane	8.93	107	478542	50.24	ug/l	99
63) Tetrachloroethene	8.10	164	599565	56.88	ug/l	97
64) Chlorobenzene	9.74	112	1574564	56.57	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.87	131	539584	53.03	ug/l	97
66) Ethyl Benzene	9.85	91	2672028	55.40	ug/l	99
67) m/p-Xylenes	10.08	106	1956289	113.17	ug/l	90
68) o-Xylene	10.66	106	1044017	58.18	ug/l	96
69) Styrene	10.74	104	1596408	55.74	ug/l	99
70) Bromoform	10.71	173	375872	49.78	ug/l	98
72) Isopropylbenzene	11.08	105	2806523	54.76	ug/l	99
73) N-amyl acetate	11.33	43	710481	50.02	ug/l #	85
74) 1,1,2,2-Tetrachloroethane	11.65	83	525257	45.22	ug/l	95
75) 1,2,3-Trichloropropane	11.75	75	395686	49.54	ug/l	94
76) Bromobenzene	11.44	156	781080	53.74	ug/l	98
77) n-propylbenzene	11.55	91	3468381	54.52	ug/l	98
78) 2-Chlorotoluene	11.67	91	1947865	54.73	ug/l	97
79) 1,3,5-Trimethylbenzene	11.78	105	2290059	54.84	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.82	75	247782	57.92	ug/l	97
81) 4-Chlorotoluene	11.85	91	2098862	53.36	ug/l	89
82) tert-Butylbenzene	12.08	119	2204955	53.38	ug/l	95
83) 1,2,4-Trimethylbenzene	12.16	105	2370424	55.35	ug/l	96
84) sec-Butylbenzene	12.26	105	3137624	54.65	ug/l	99
85) p-Isopropyltoluene	12.42	119	2395757	53.59	ug/l	97
86) 1,3-Dichlorobenzene	12.43	146	1323439	53.56	ug/l	96
87) 1,4-Dichlorobenzene	12.51	146	1335574	54.14	ug/l	97
88) n-Butylbenzene	12.79	91	2631815	58.56	ug/l	96
89) Hexachloroethane	12.86	117	554614	52.41	ug/l	92
90) 1,2-Dichlorobenzene	12.89	146	1232004	54.20	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.58	75	71733	46.52	ug/l	86
92) 1,2,4-Trichlorobenzene	14.14	180	816458	62.08	ug/l	98
93) Hexachlorobutadiene	14.13	225	621001	62.16	ug/l	98

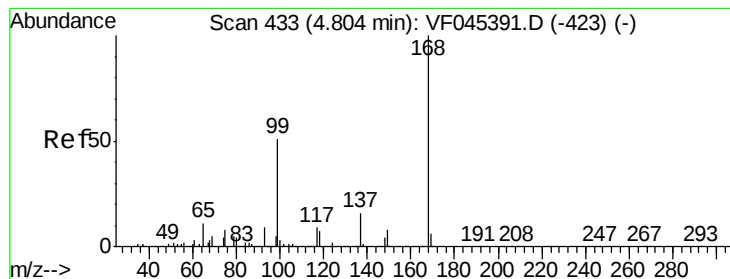
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1261292	50.76	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	663664	61.42	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

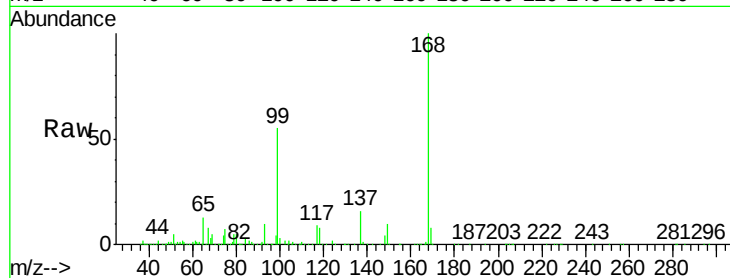
MGP209BR-29-30MS

Tot Ion:168 Resp: 1004656

Ion Ratio Lower Upper

168 100

99 55.2 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.82

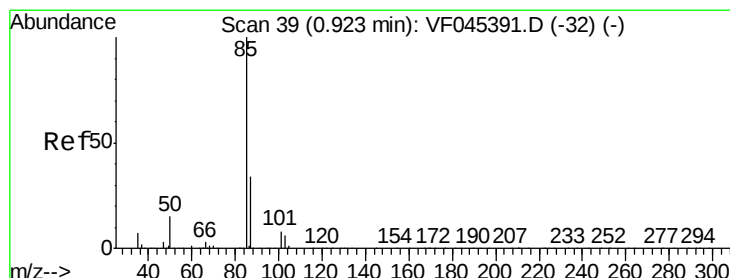
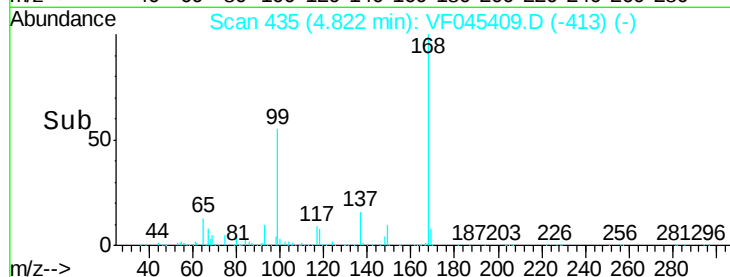
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.01 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045409.D

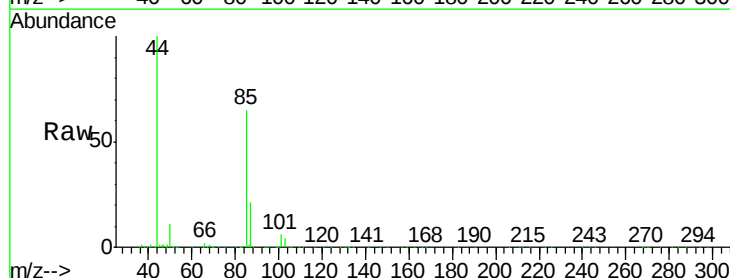
Acq: 17 Sep 2015 16:29

Tgt Ion: 85 Resp: 445037

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

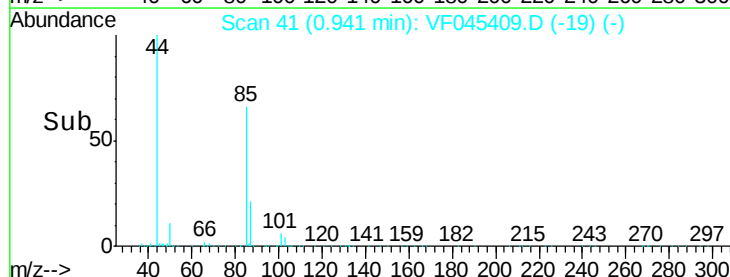
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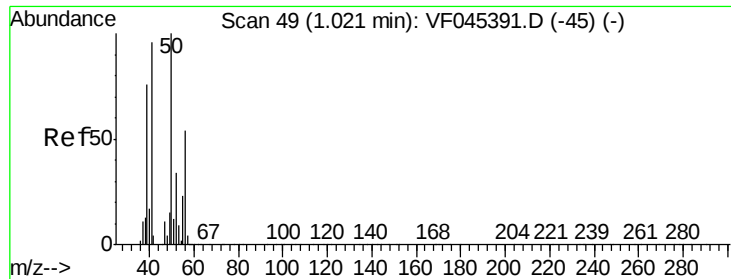
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.71 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

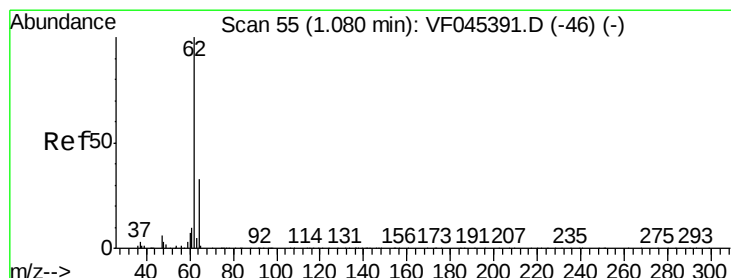
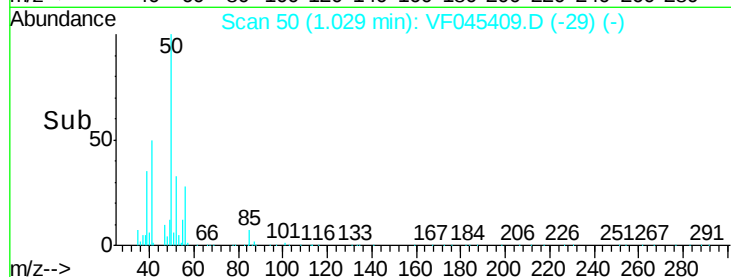
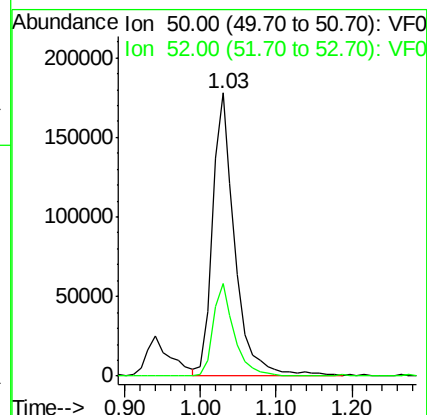
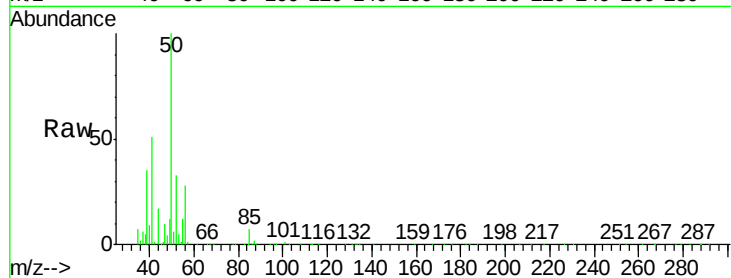
MGP209BR-29-30MS

Tot Ion: 50 Resp: 364165

Ion Ratio Lower Upper

50 100

52 32.9 23.8 35.8



#4

Vinyl Chloride

Concen: 52.46 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF045409.D

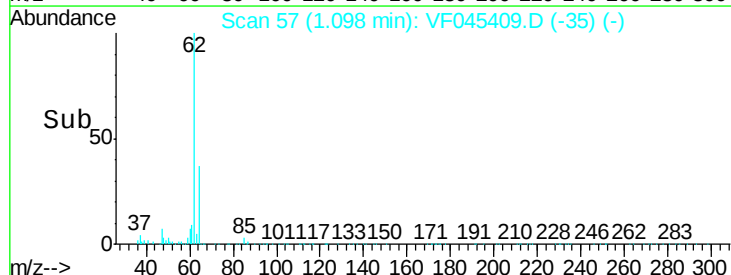
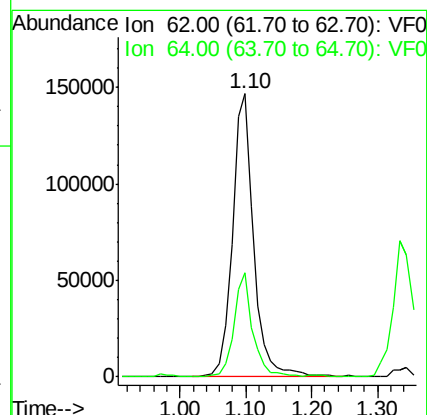
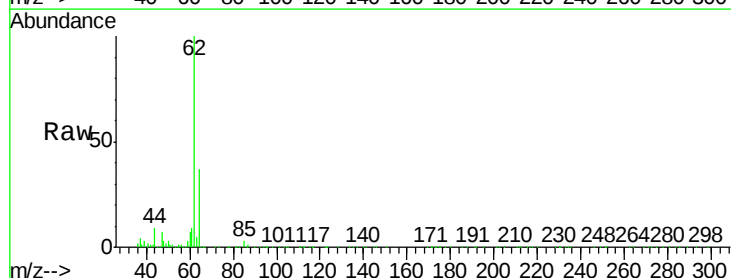
Acq: 17 Sep 2015 16:29

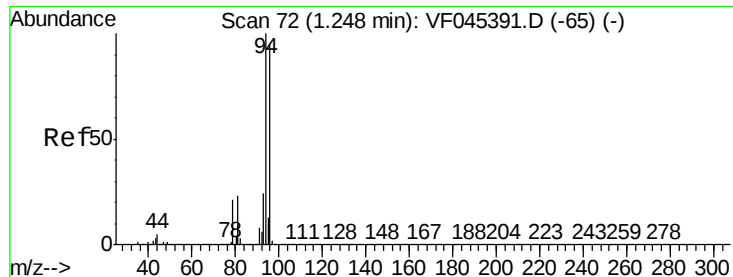
Tgt Ion: 62 Resp: 329376

Ion Ratio Lower Upper

62 100

64 36.7 26.6 39.8





#5

Bromomethane

Concen: 52.03 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

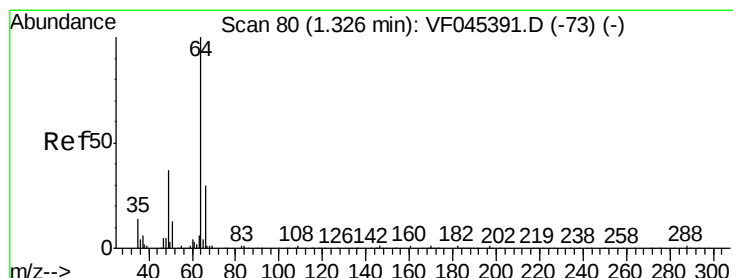
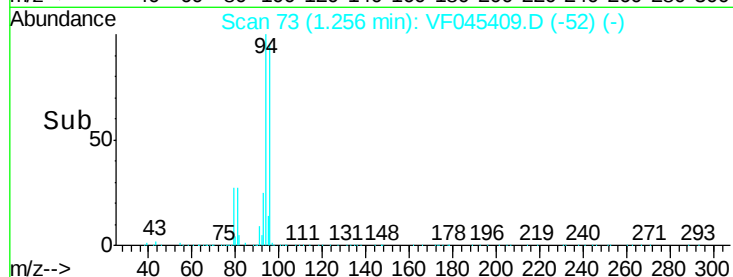
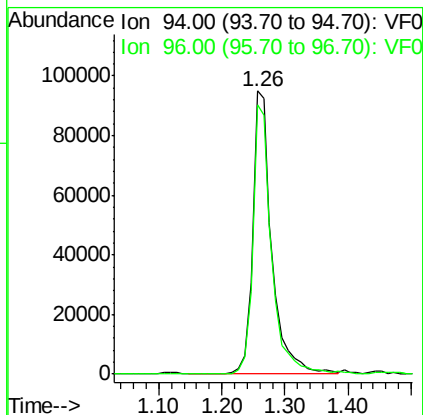
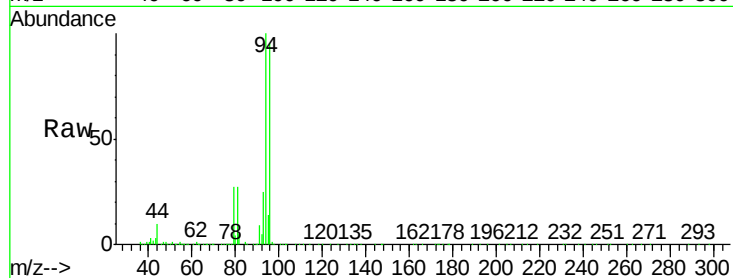
MGP209BR-29-30MS

Tot Ion: 94 Resp: 202847

Ion Ratio Lower Upper

94 100

96 95.1 75.0 112.4



#6

Chloroethane

Concen: 61.54 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045409.D

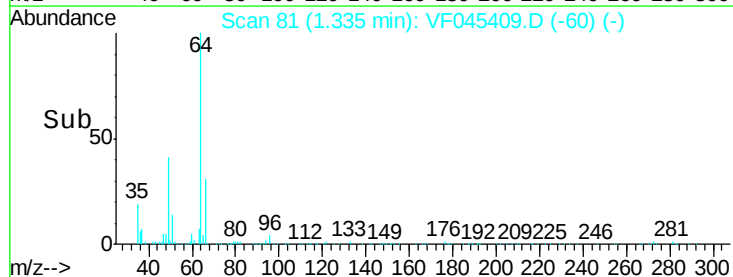
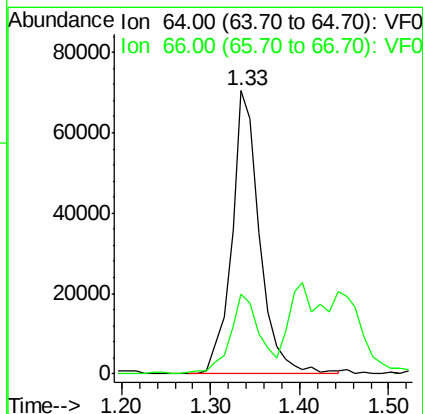
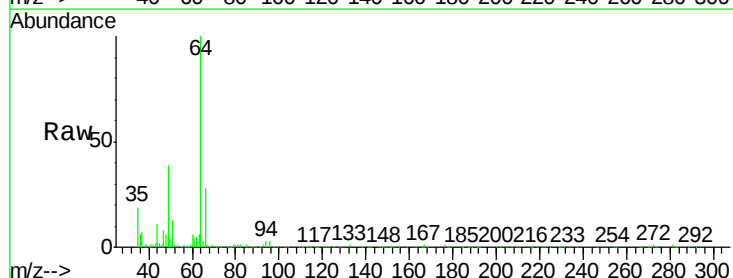
Acq: 17 Sep 2015 16:29

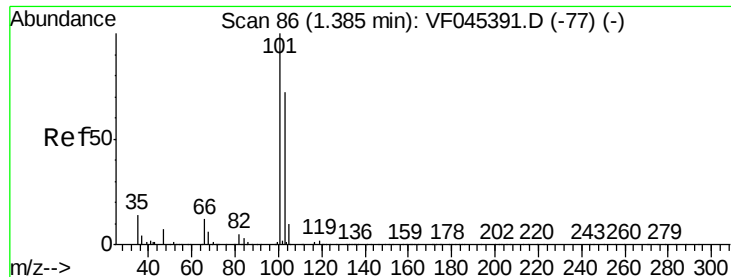
Tgt Ion: 64 Resp: 153967

Ion Ratio Lower Upper

64 100

66 28.0 27.3 40.9





#7

Trichlorofluoromethane

Concen: 24.87 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

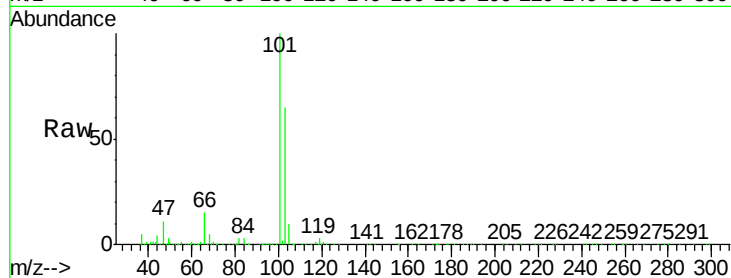
MGP209BR-29-30MS

Tot Ion:101 Resp: 320451

Ion Ratio Lower Upper

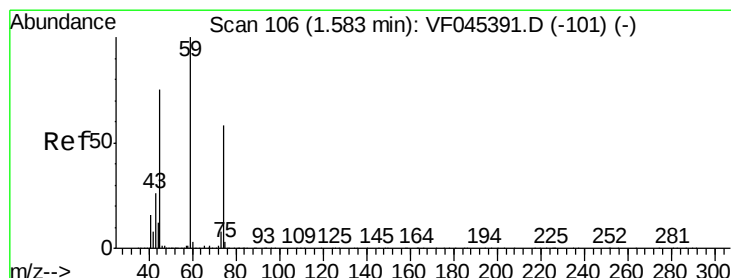
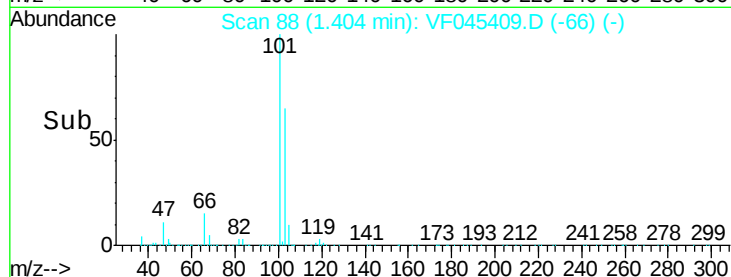
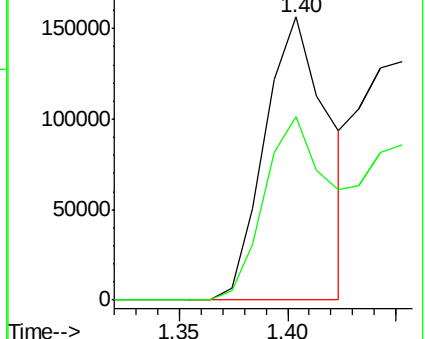
101 100

103 64.8 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.44 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.02 min

Lab File: VF045409.D

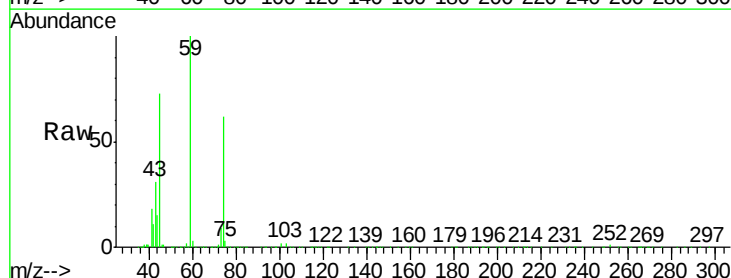
Acq: 17 Sep 2015 16:29

Tgt Ion: 74 Resp: 138526

Ion Ratio Lower Upper

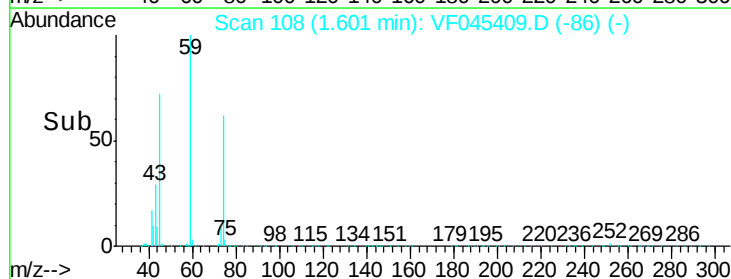
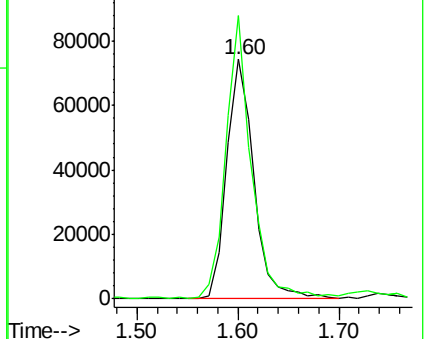
74 100

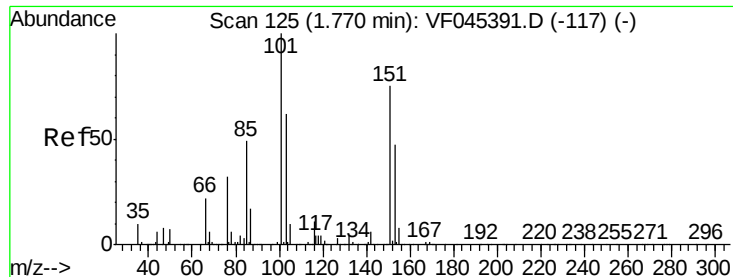
45 118.3 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.19 ug/l

RT: 1.79 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

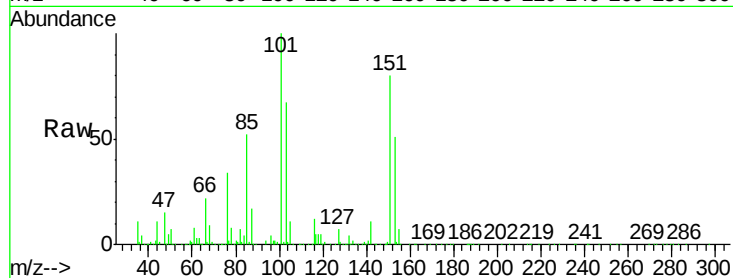
Tot Ion:101 Resp: 394363

Ion Ratio Lower Upper

101 100

85 51.6 40.0 60.0

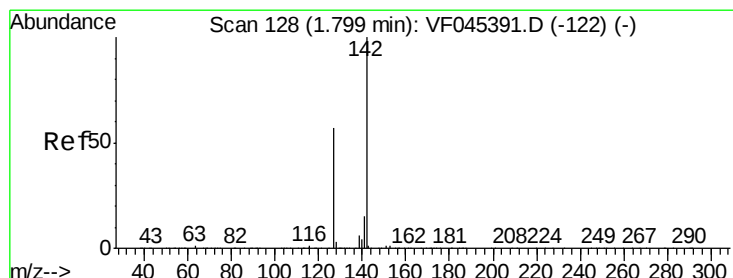
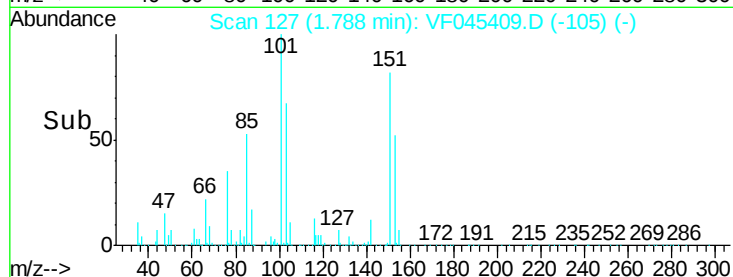
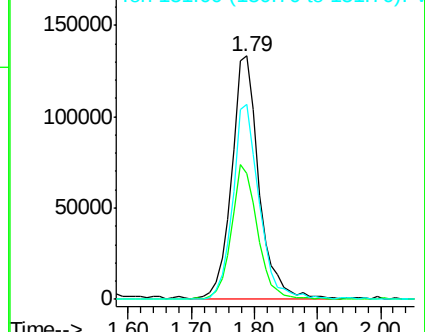
151 80.0 62.8 94.2



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: 49.72 ug/l

RT: 1.82 min Scan# 130

Delta R.T. 0.02 min

Lab File: VF045409.D

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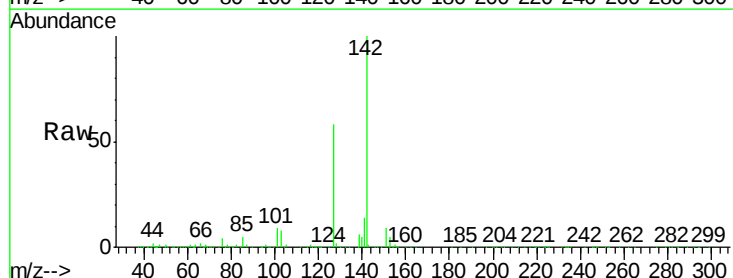
Tgt Ion:142 Resp: 753825

Ion Ratio Lower Upper

142 100

127 58.3 43.3 64.9

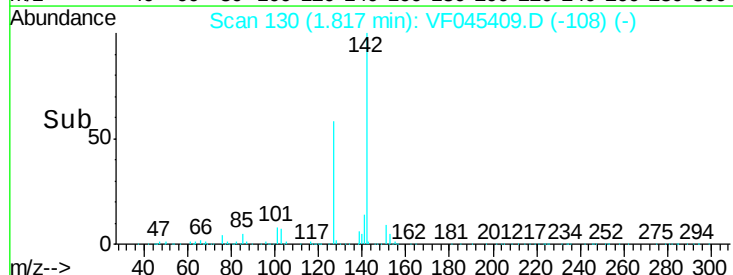
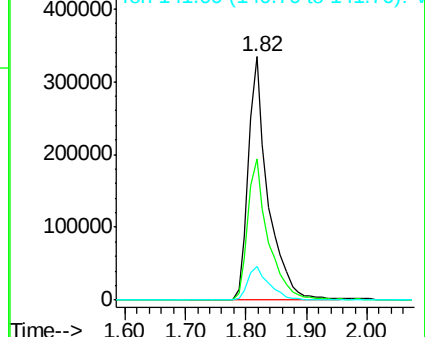
141 14.0 12.1 18.1

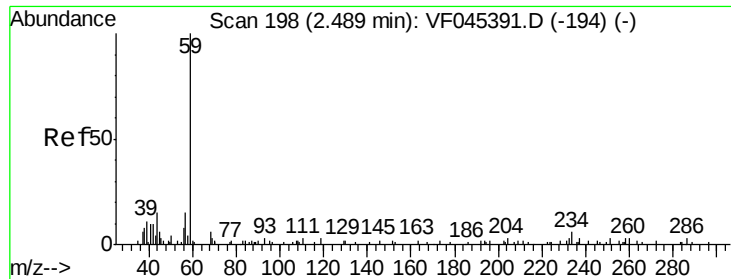


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



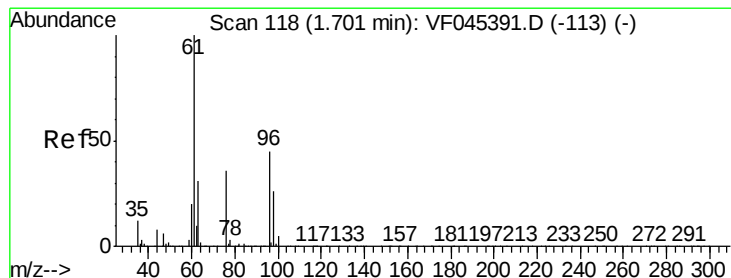
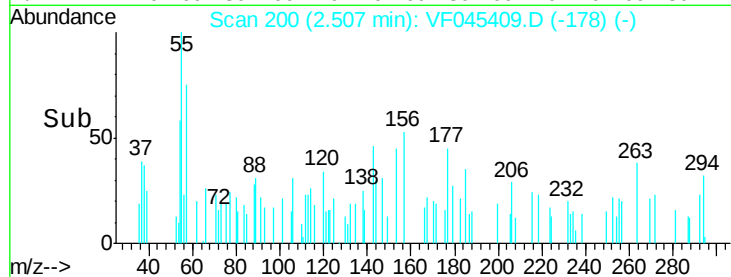
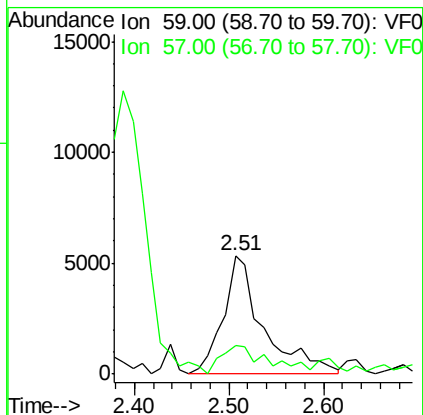
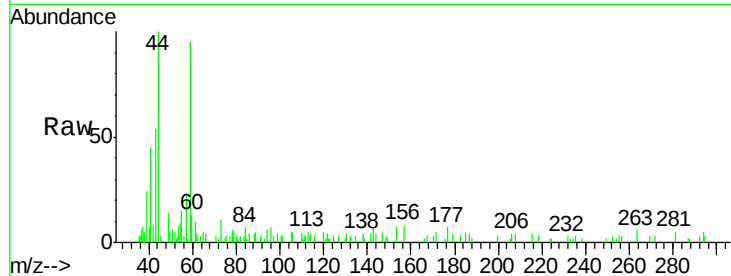


#11

Tert butyl alcohol
 Concen: 130.67 ug/l
 RT: 2.51 min Scan# 200
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

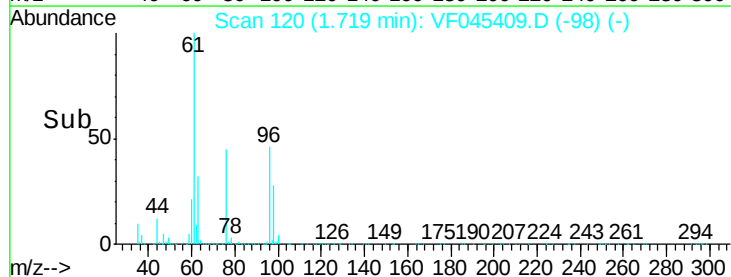
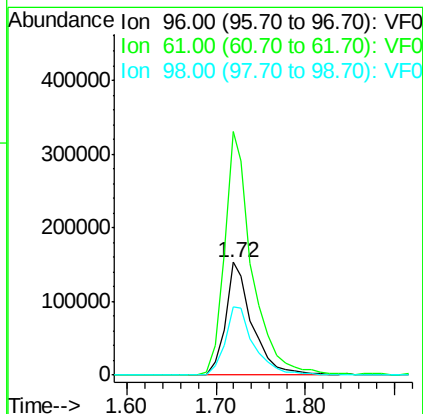
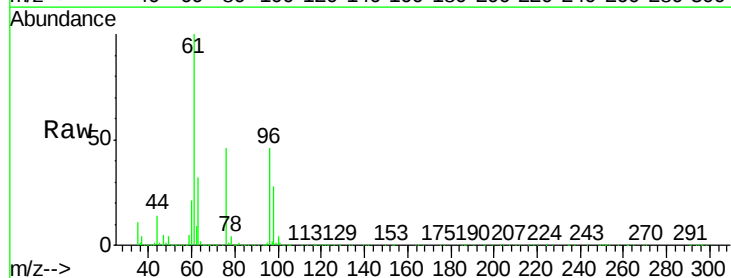
Tot Ion: 59 Resp: 15842
 Ion Ratio Lower Upper
 59 100
 57 23.9 8.6 13.0#

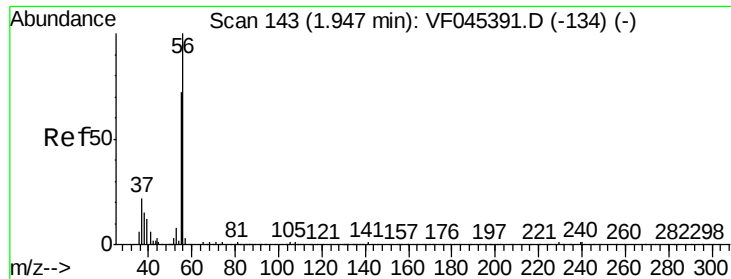


#12

1,1-Dichloroethene
 Concen: 52.30 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion: 96 Resp: 322114
 Ion Ratio Lower Upper
 96 100
 61 216.5 165.8 248.8
 98 60.5 51.2 76.8

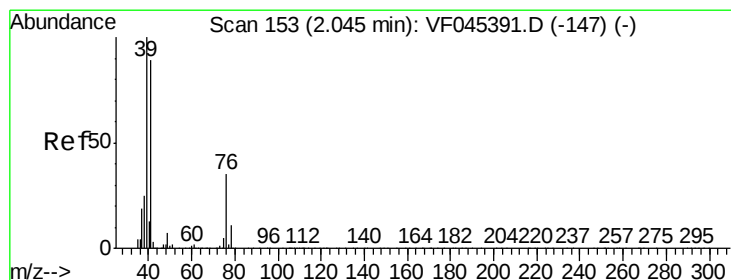
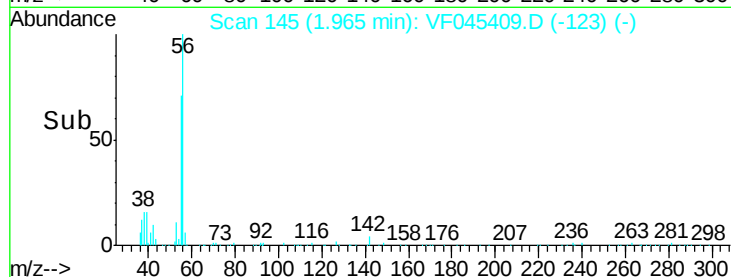
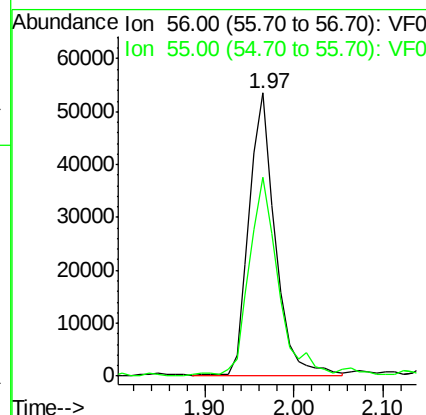
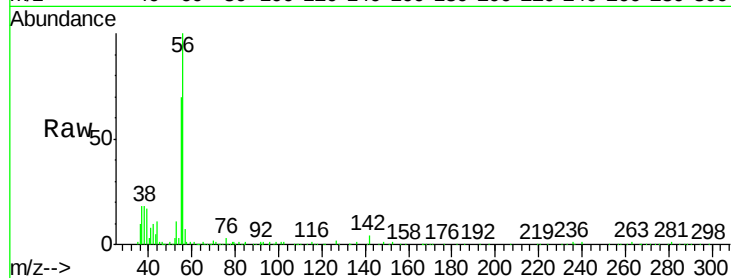




#13
Acrolein
Concen: 218.61 ug/l
RT: 1.97 min Scan# 145
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

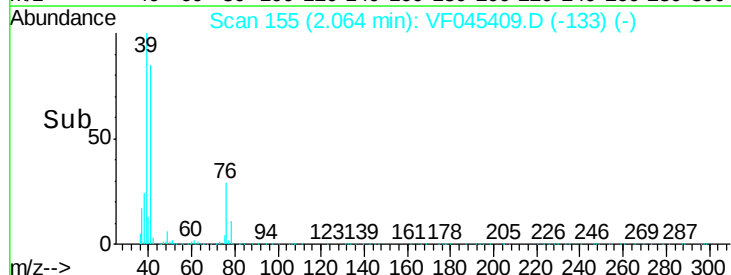
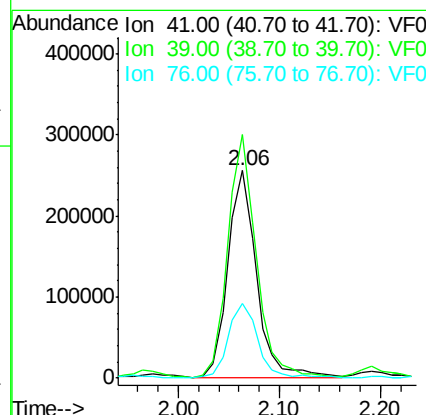
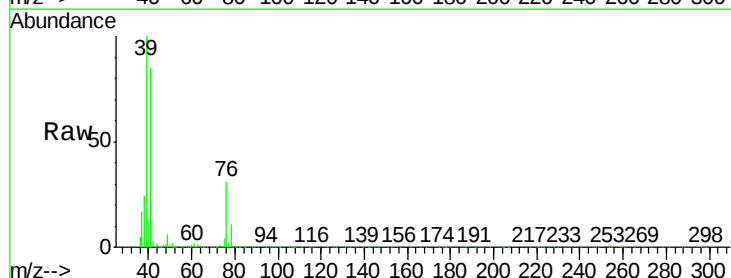
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

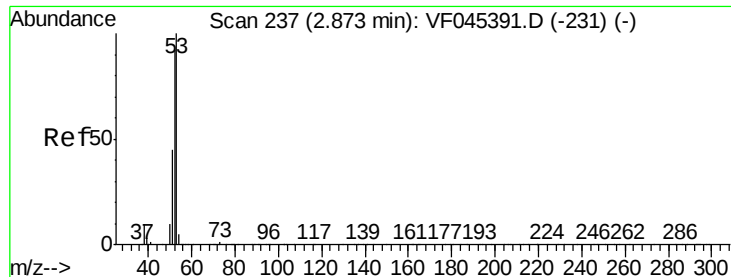
Tot Ion: 56 Resp: 109819
Ion Ratio Lower Upper
56 100
55 70.4 60.5 90.7



#14
Allyl chloride
Concen: 52.46 ug/l
RT: 2.06 min Scan# 155
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion: 41 Resp: 501342
Ion Ratio Lower Upper
41 100
39 117.3 92.8 139.2
76 35.9 27.7 41.5





#15

Acrylonitrile

Concen: 208.63 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

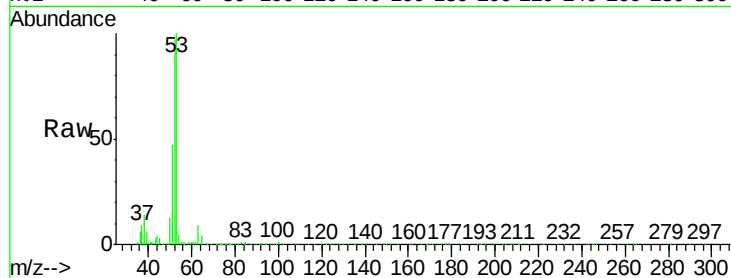
Tot Ion: 53 Resp: 241725

Ion Ratio Lower Upper

53 100

52 96.8 72.7 109.1

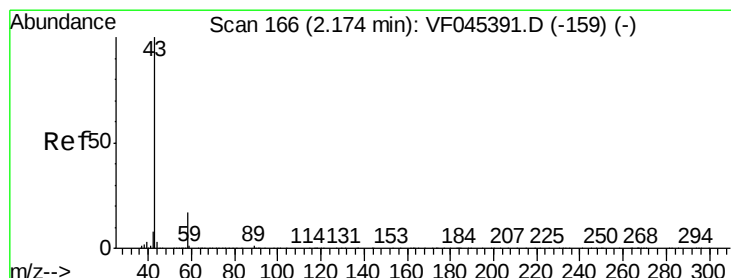
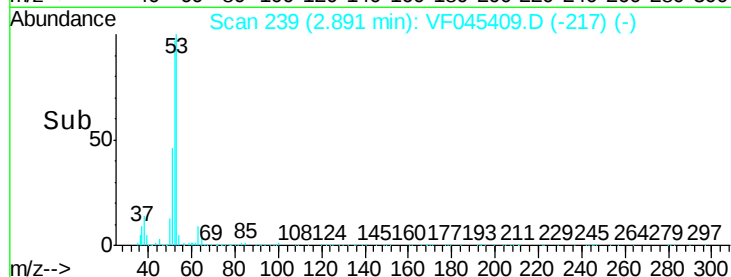
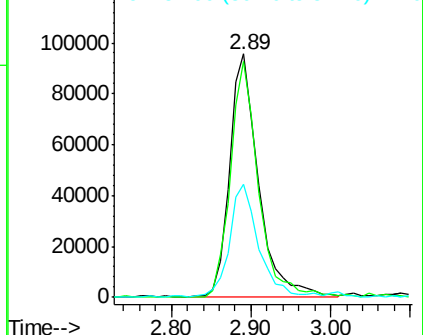
51 46.5 42.2 63.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 216.38 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.02 min

Lab File: VF045409.D

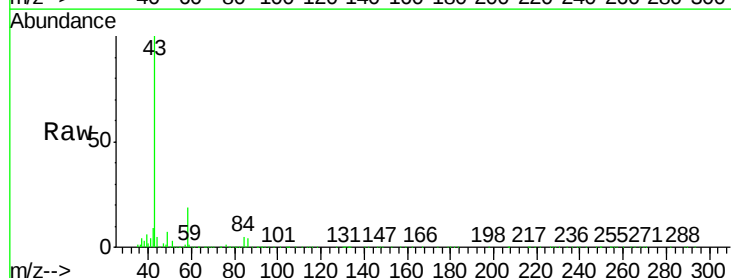
Acq: 17 Sep 2015 16:29

Tgt Ion: 43 Resp: 529972

Ion Ratio Lower Upper

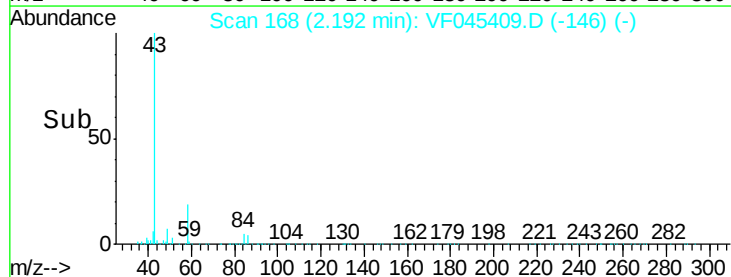
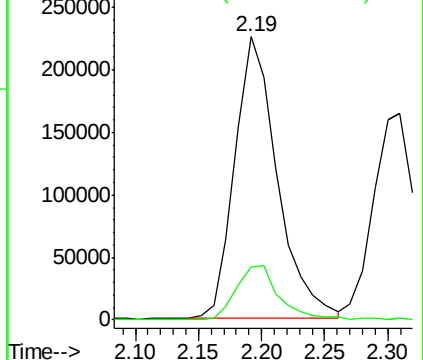
43 100

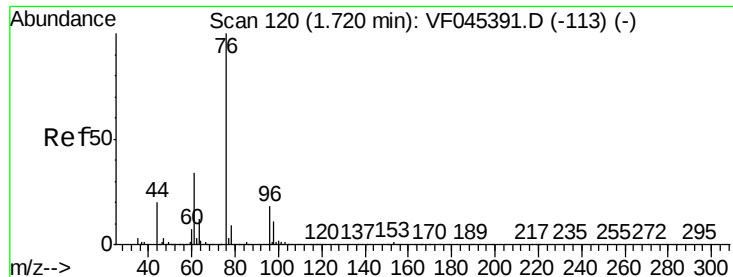
58 18.9 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

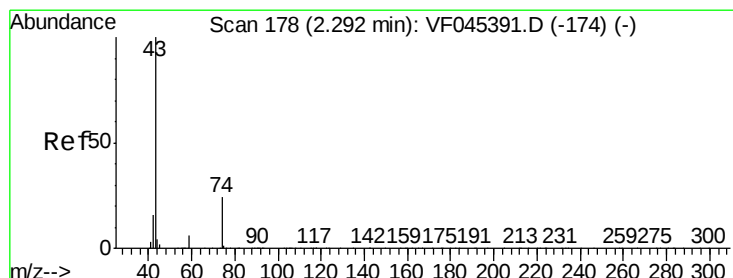
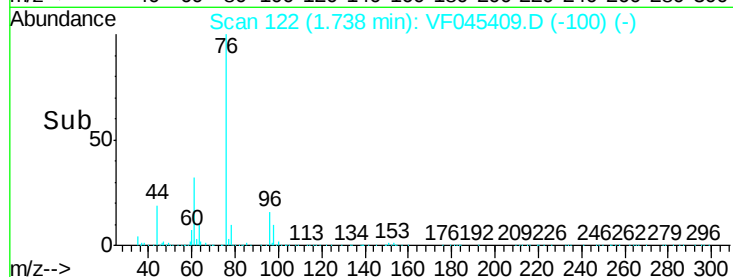
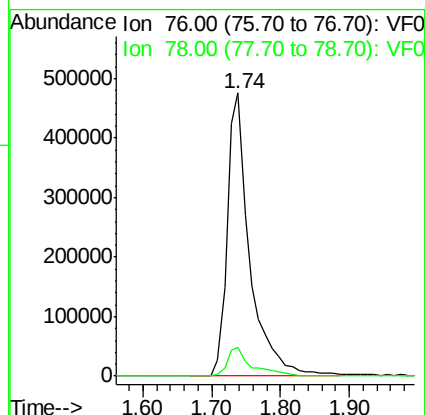
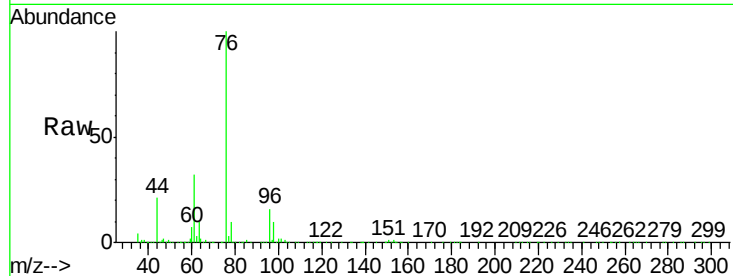




#17
Carbon Disulfide
Concen: 51.19 ug/l
RT: 1.74 min Scan# 122
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

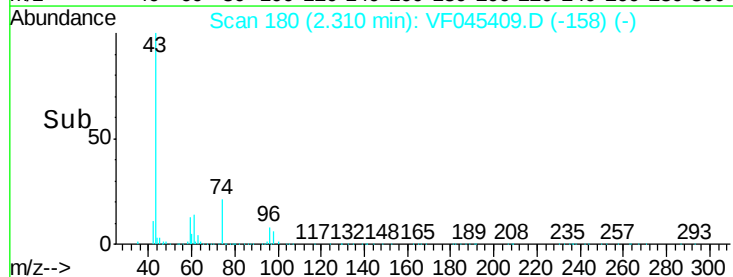
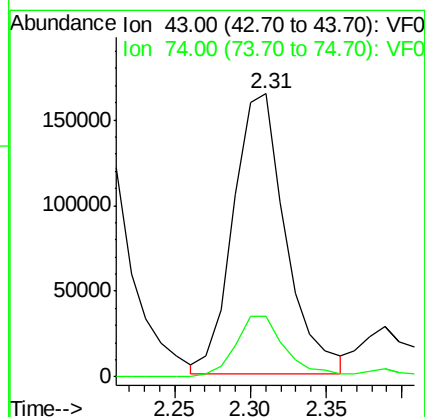
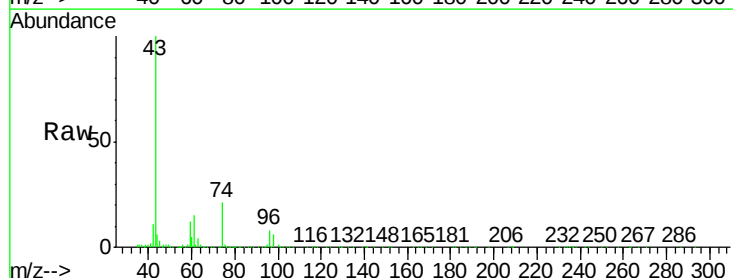
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

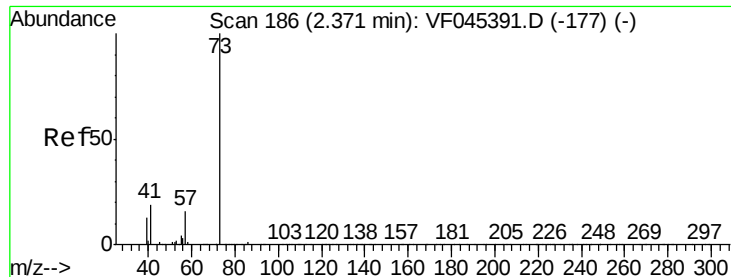
Tot Ion: 76 Resp: 1074308
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4



#18
Methyl Acetate
Concen: 42.10 ug/l
RT: 2.31 min Scan# 180
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion: 43 Resp: 395547
Ion Ratio Lower Upper
43 100
74 21.4 15.1 22.7



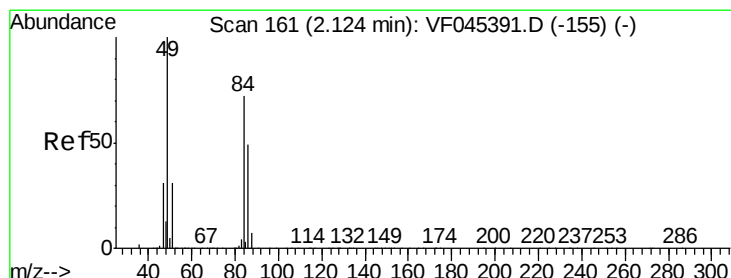
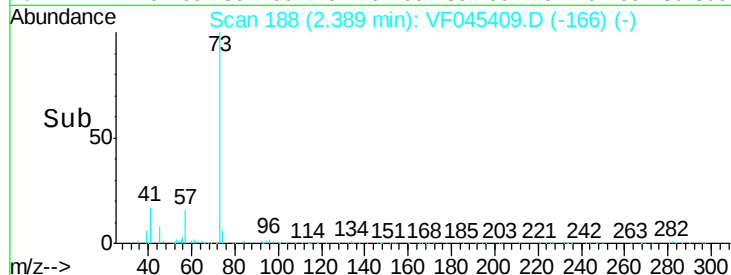
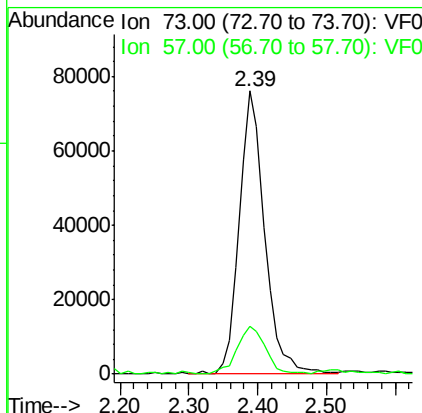
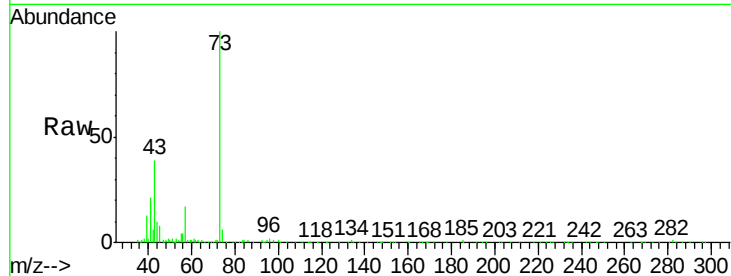


#19

Methyl tert-butyl Ether
 Concen: 40.37 ug/l
 RT: 2.39 min Scan# 188
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

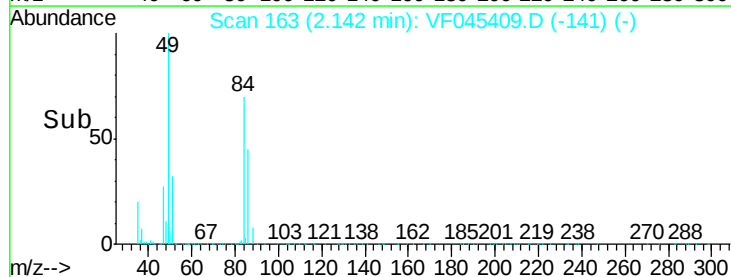
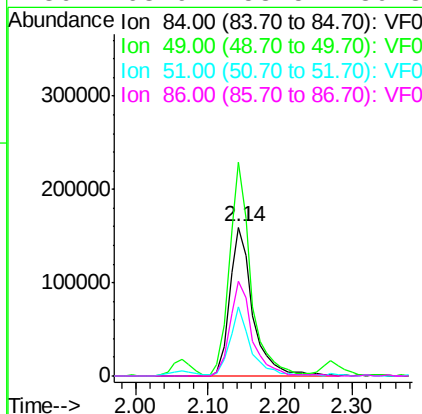
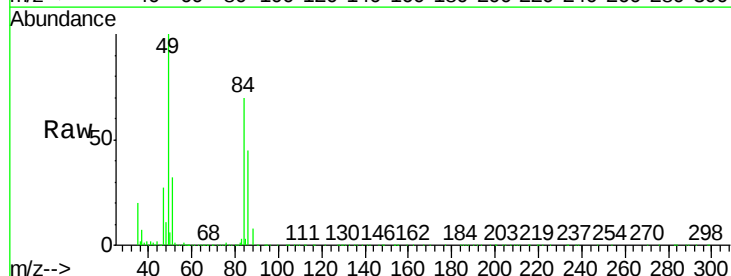
Tot Ion: 73 Resp: 195629
 Ion Ratio Lower Upper
 73 100
 57 16.8 12.9 19.3

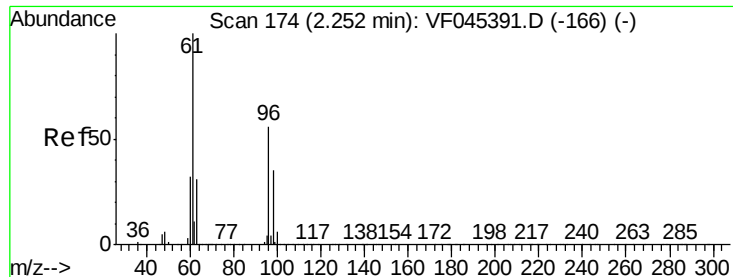


#20

Methylene Chloride
 Concen: 52.83 ug/l
 RT: 2.14 min Scan# 163
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion: 84 Resp: 349679
 Ion Ratio Lower Upper
 84 100
 49 143.5 122.8 184.2
 51 46.2 35.4 53.2
 86 63.9 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 50.79 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

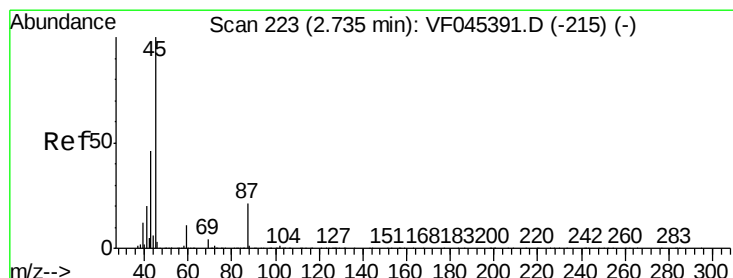
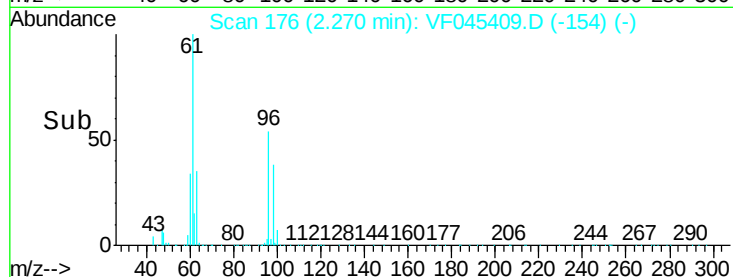
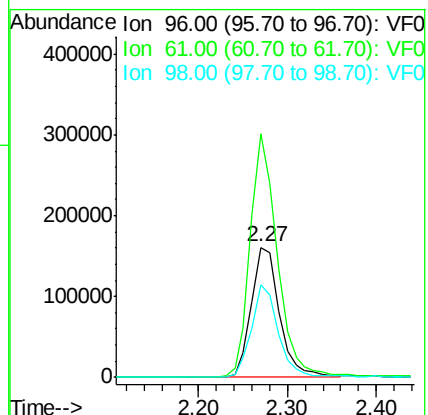
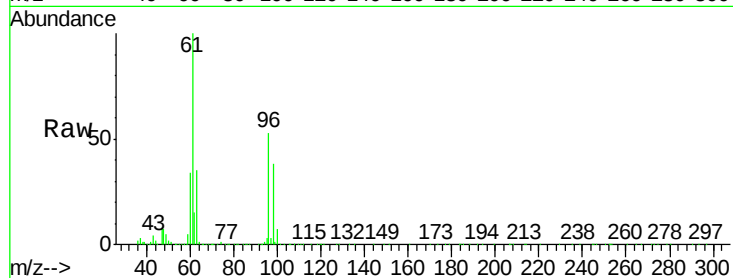
Tot Ion: 96 Resp: 350698

Ion Ratio Lower Upper

96 100

61 187.0 136.8 205.2

98 70.7 51.0 76.4



#22

Diisopropyl ether

Concen: 49.59 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion: 45 Resp: 1010171

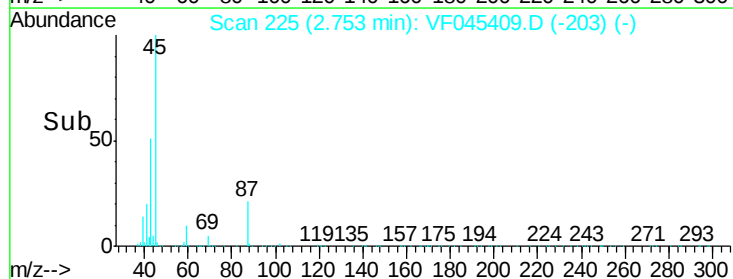
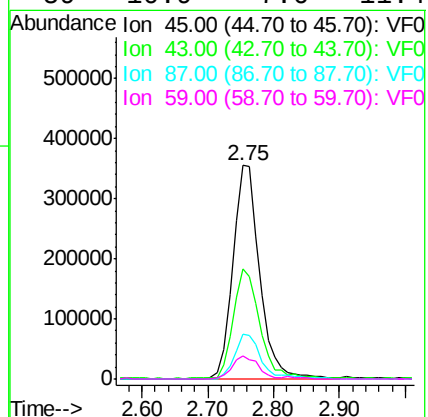
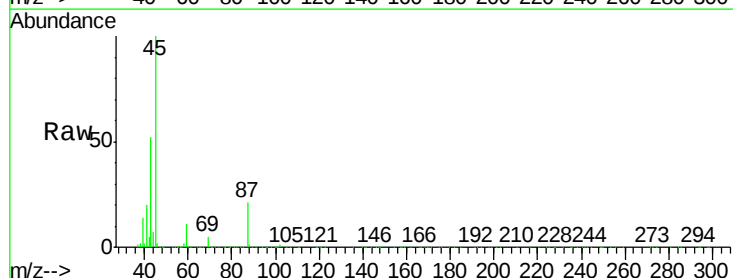
Ion Ratio Lower Upper

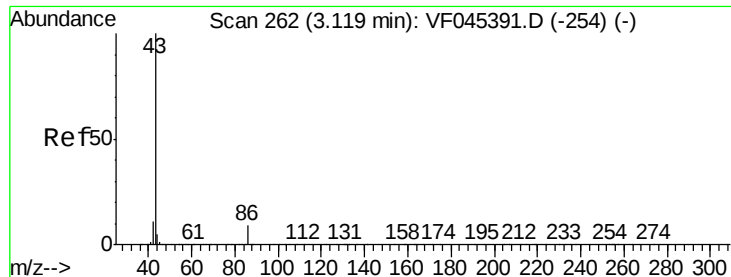
45 100

43 51.7 42.2 63.4

87 21.2 16.6 25.0

59 10.9 7.6 11.4





#23

Vinyl Acetate

Concen: 238.25 ug/l

RT: 3.14 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

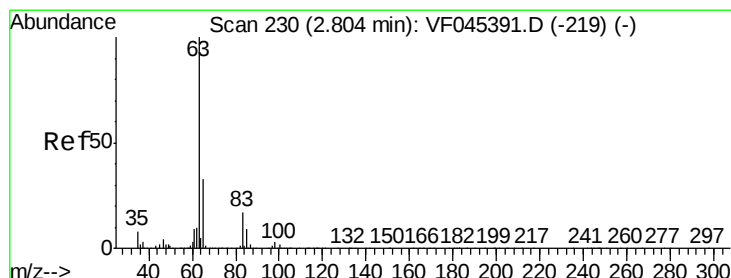
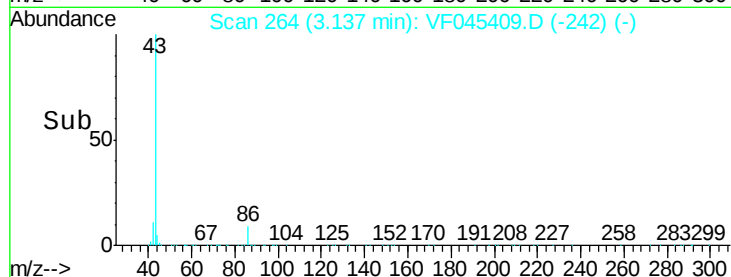
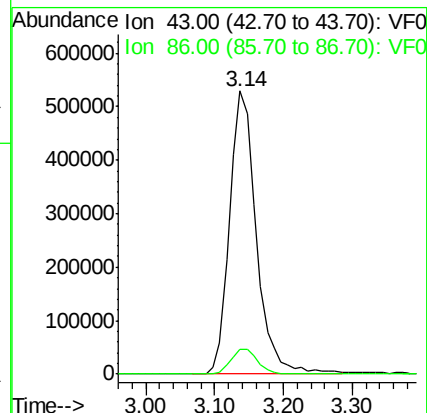
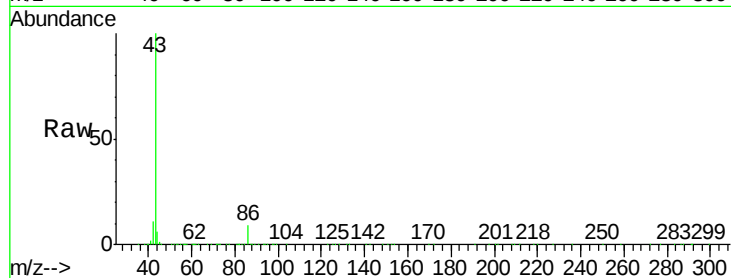
MGP209BR-29-30MS

Tot Ion: 43 Resp: 1416577

Ion Ratio Lower Upper

43 100

86 8.7 6.3 9.5



#24

1,1-Dichloroethane

Concen: 52.87 ug/l

RT: 2.83 min Scan# 233

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

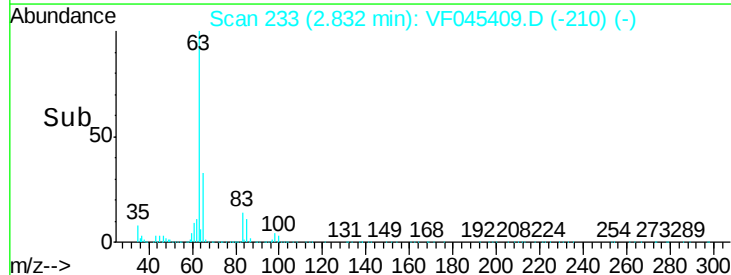
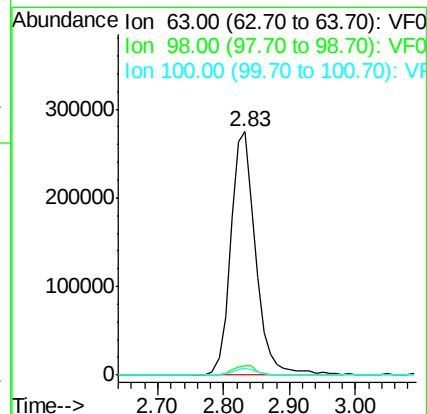
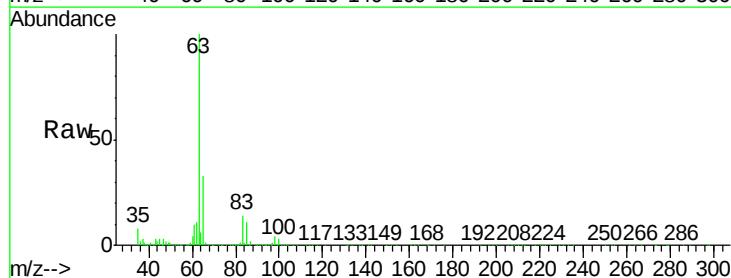
Tgt Ion: 63 Resp: 728889

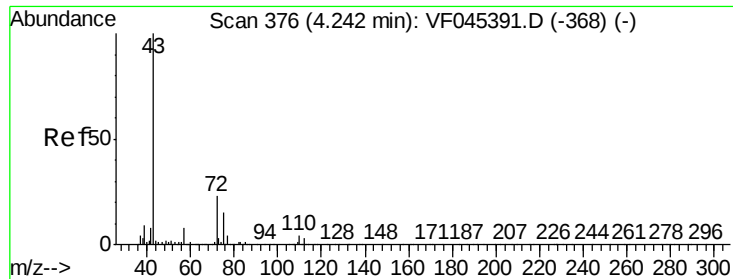
Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

100 2.7 1.1 3.5





#25

2-Butanone

Concen: 205.45 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

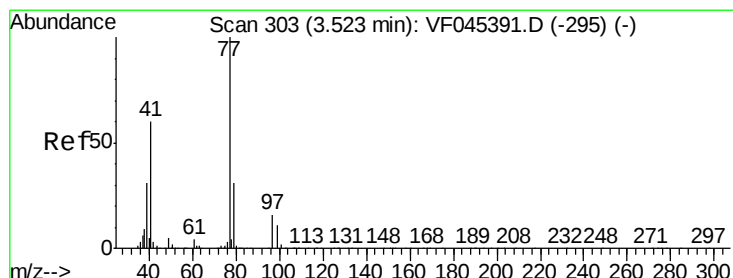
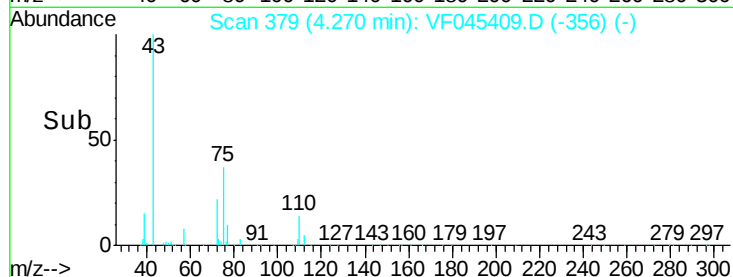
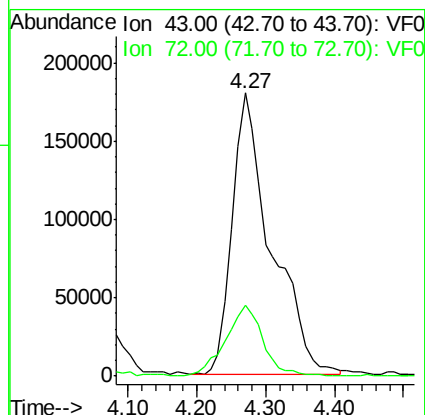
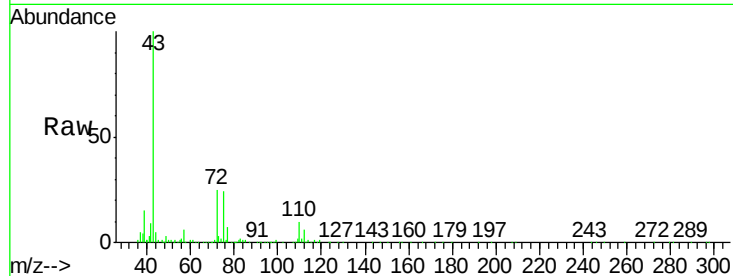
MGP209BR-29-30MS

Tot Ion: 43 Resp: 703920

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 52.71 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.03 min

Lab File: VF045409.D

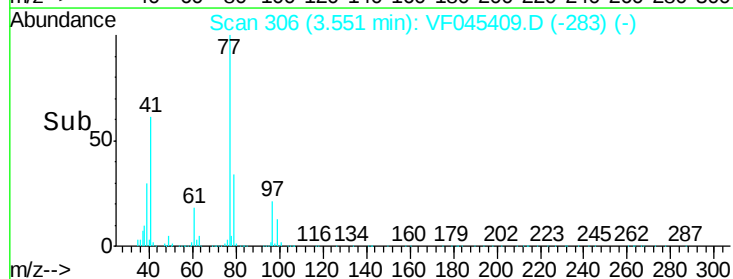
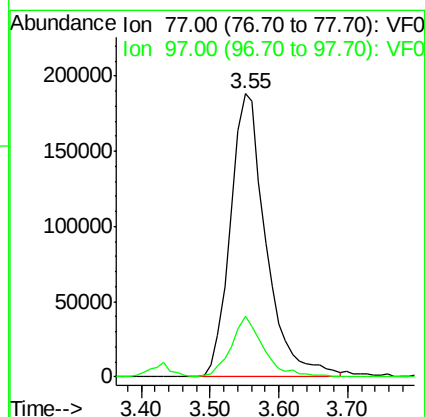
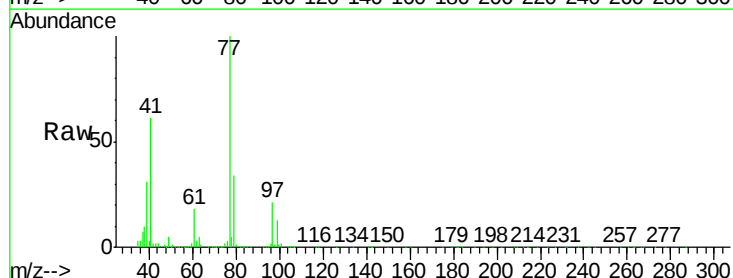
Acq: 17 Sep 2015 16:29

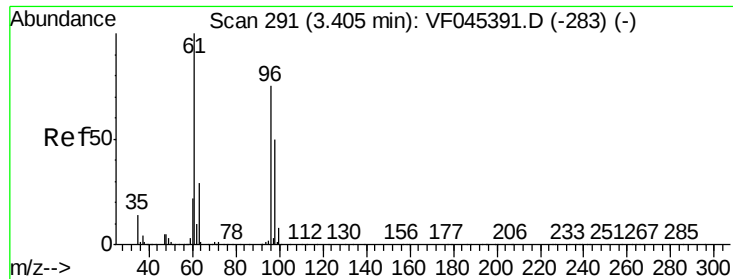
Tgt Ion: 77 Resp: 676768

Ion Ratio Lower Upper

77 100

97 21.3 9.2 27.4



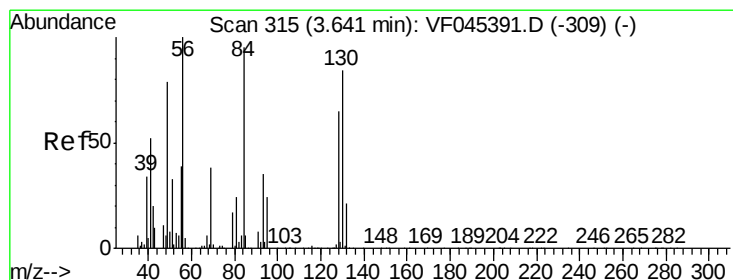
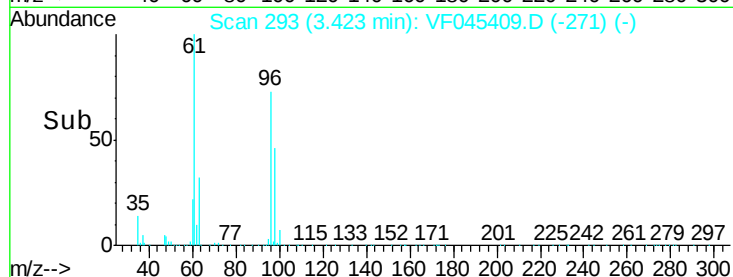
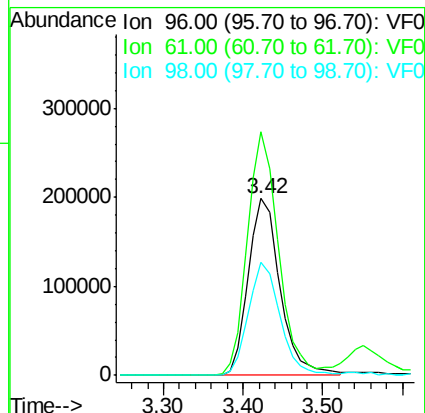
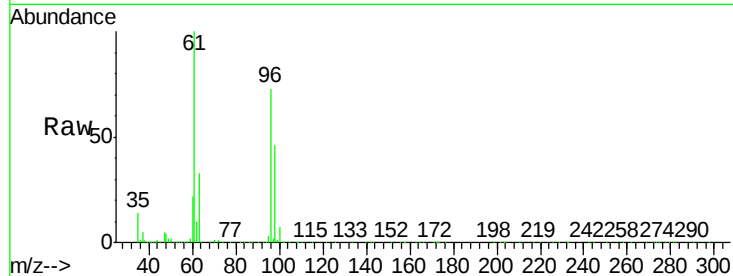


#27

cis-1,2-Dichloroethene
Concen: 51.38 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

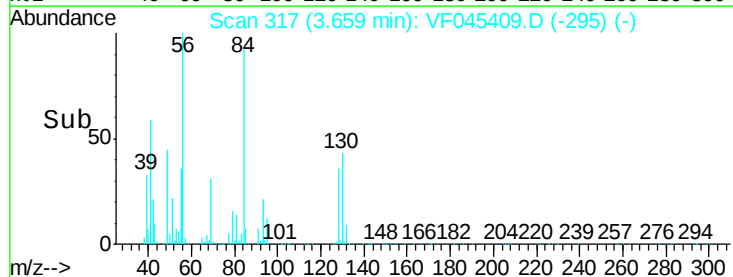
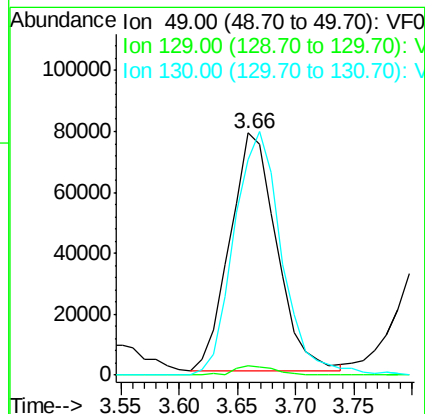
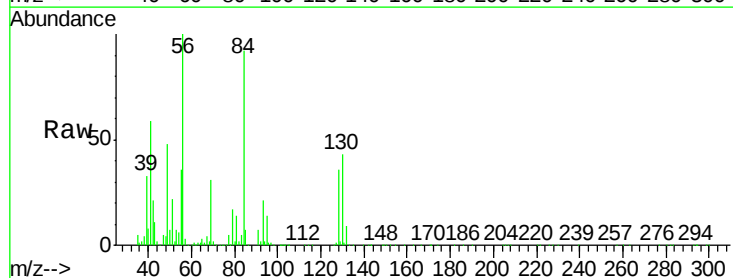
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	268.6
98	63.8	0.0	135.8

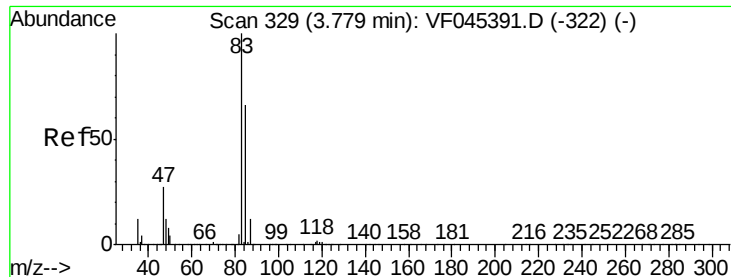


#28

Bromochloromethane
Concen: 40.26 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.9	0.0	0.0#
130	89.3	79.6	119.4





#29

Chloroform

Concen: 52.66 ug/l

RT: 3.81 min Scan# 332

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

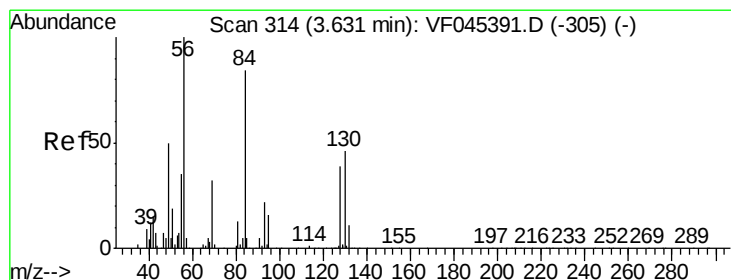
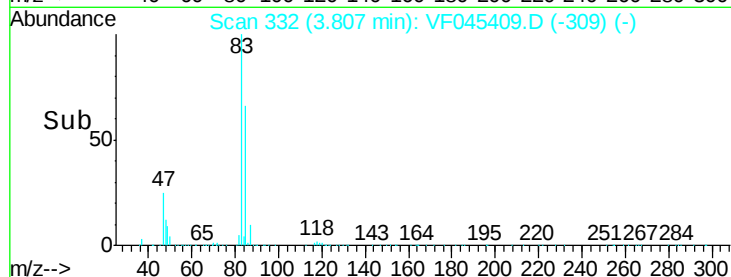
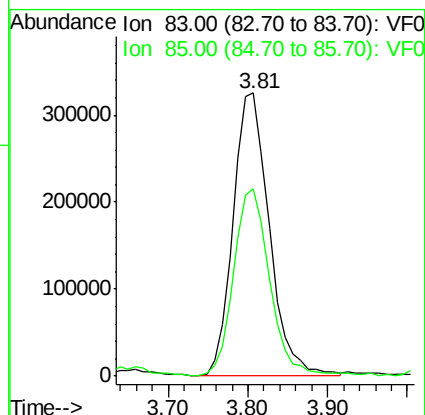
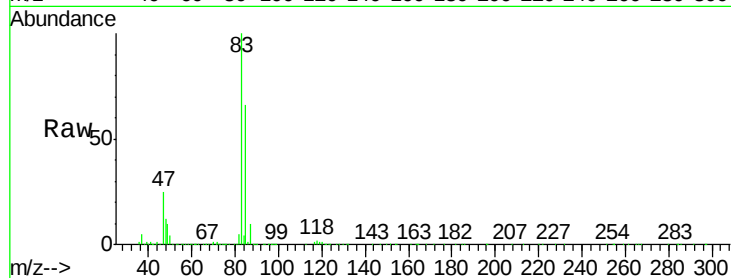
MGP209BR-29-30MS

Tot Ion: 83 Resp: 1020655

Ion Ratio Lower Upper

83 100

85 66.2 51.6 77.4



#30

Cyclohexane

Concen: 53.76 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

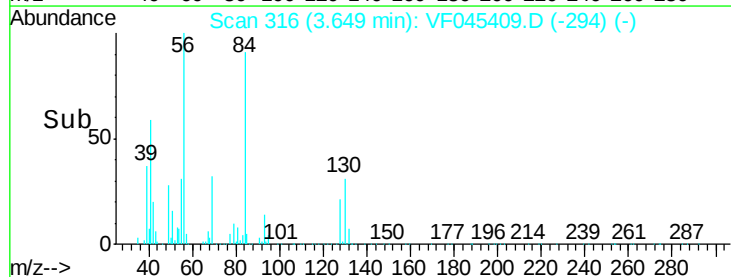
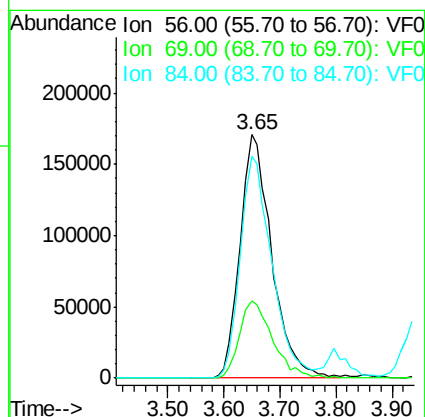
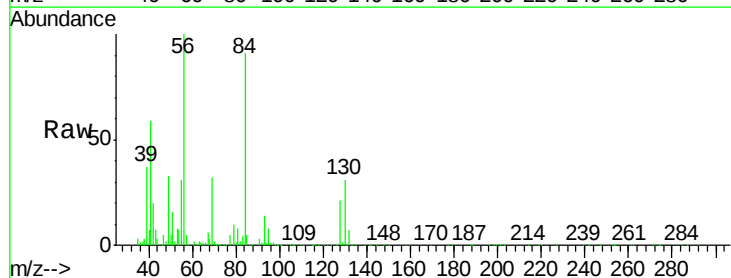
Tgt Ion: 56 Resp: 668805

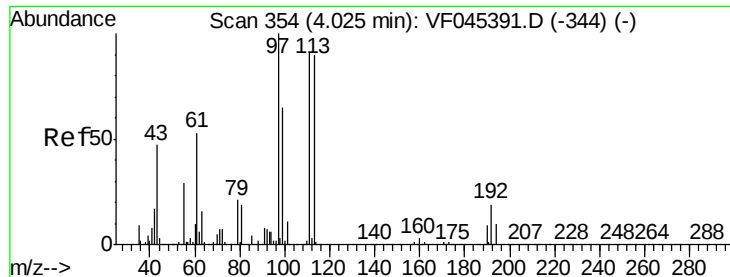
Ion Ratio Lower Upper

56 100

69 32.0 26.1 39.1

84 91.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 51.81 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

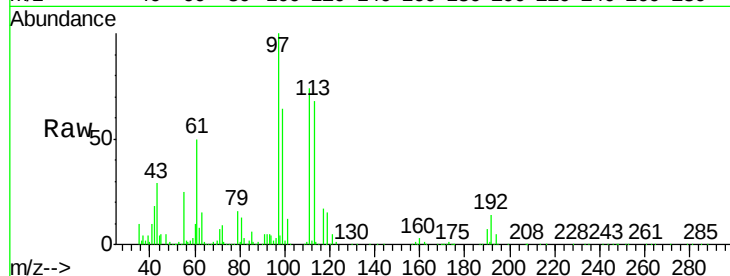
Tot Ion: 97 Resp: 831805

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

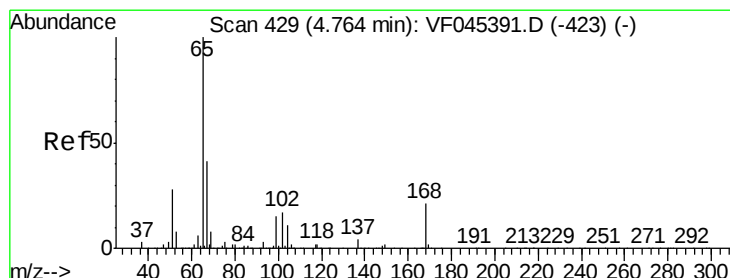
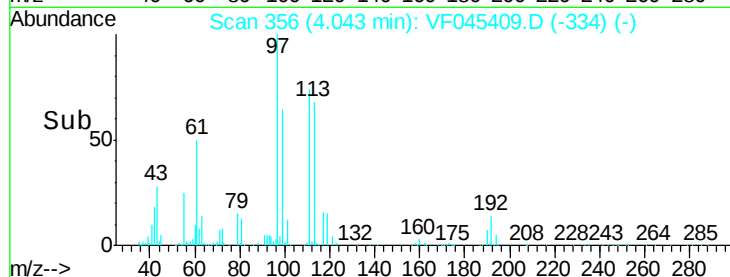
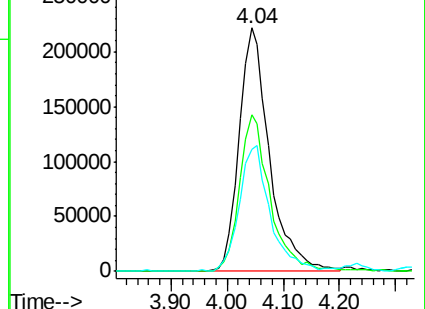
61 50.2 37.8 56.6



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#32

1,2-Dichloroethane-d4

Concen: 45.24 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.03 min

Lab File: VF045409.D

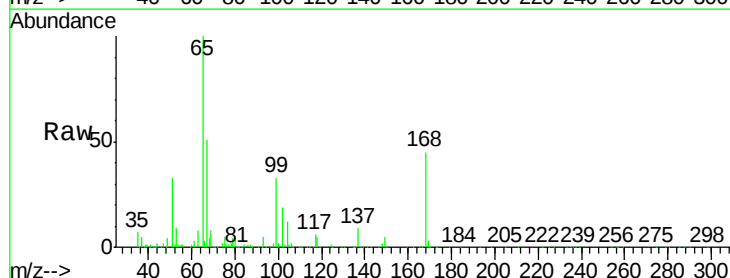
Acq: 17 Sep 2015 16:29

Tgt Ion: 65 Resp: 488100

Ion Ratio Lower Upper

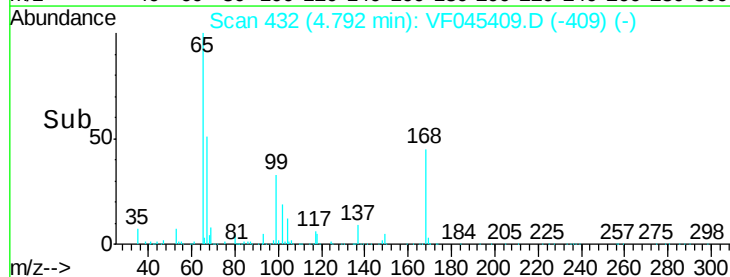
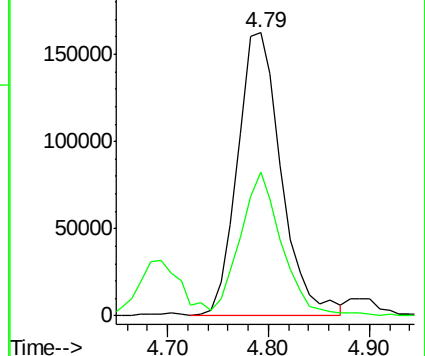
65 100

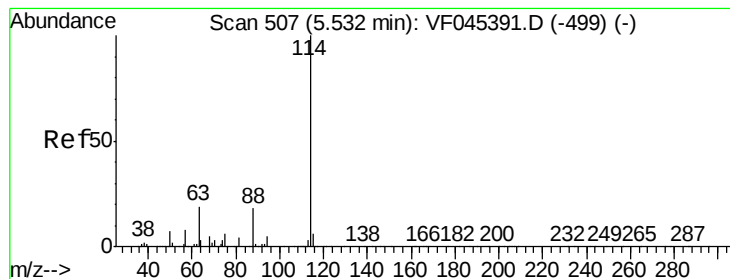
67 50.8 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 509

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

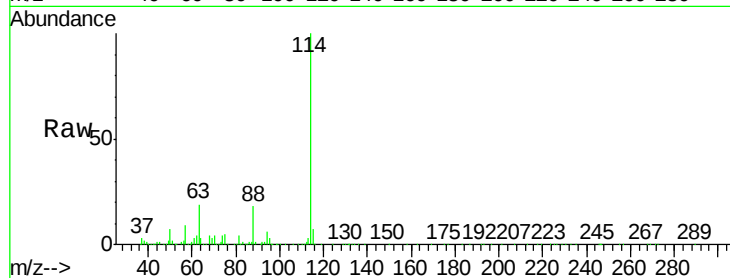
Tot Ion:114 Resp: 1451953

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

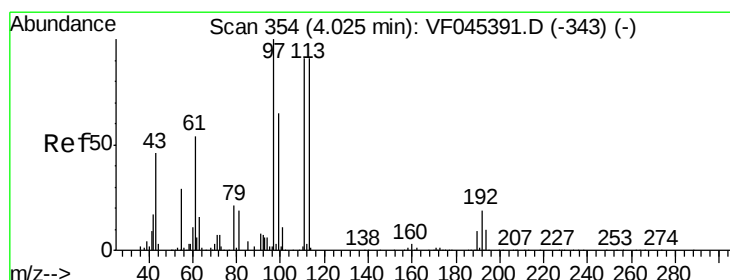
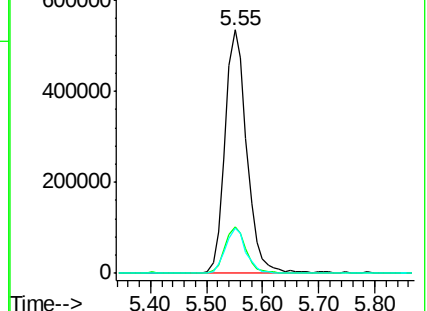
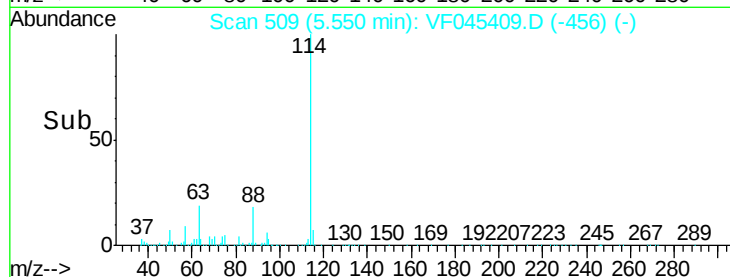
88 18.5 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#34

Dibromofluoromethane

Concen: 49.28 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

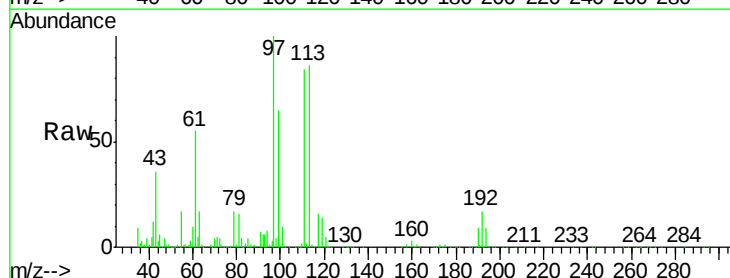
Tgt Ion:113 Resp: 554229

Ion Ratio Lower Upper

113 100

111 98.1 75.5 113.3

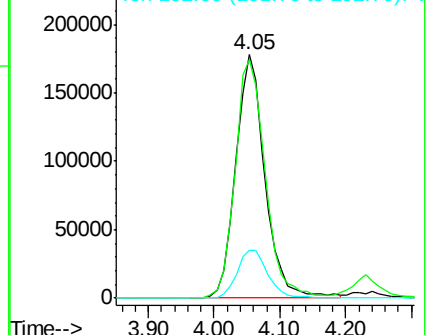
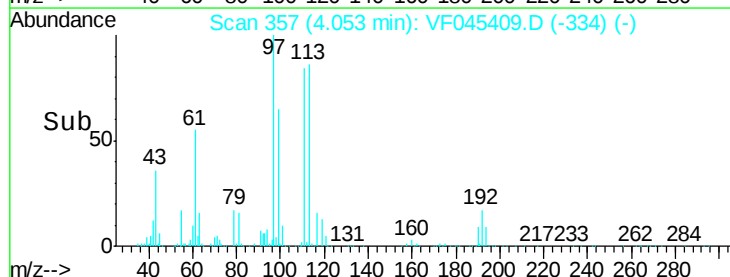
192 19.8 15.6 23.4

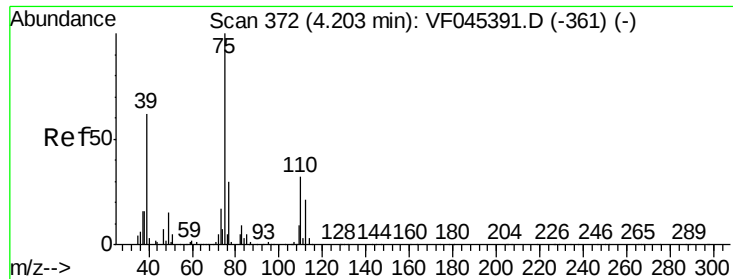


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#35

1,1-Dichloropropene

Concen: 53.68 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

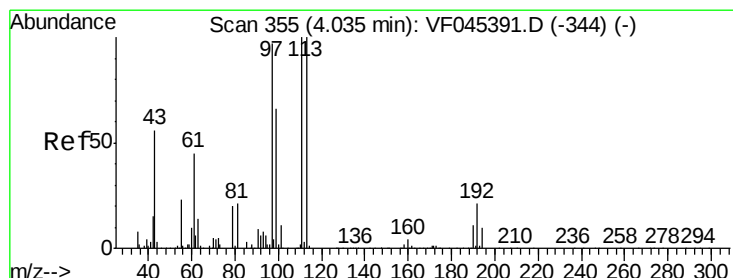
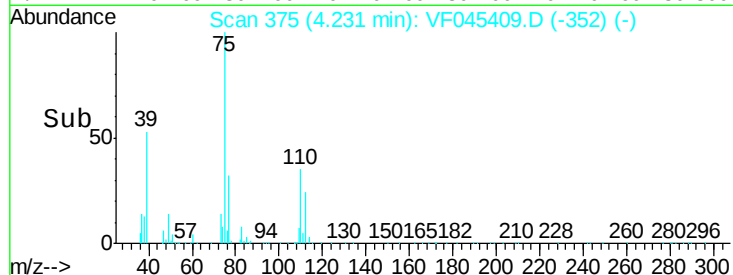
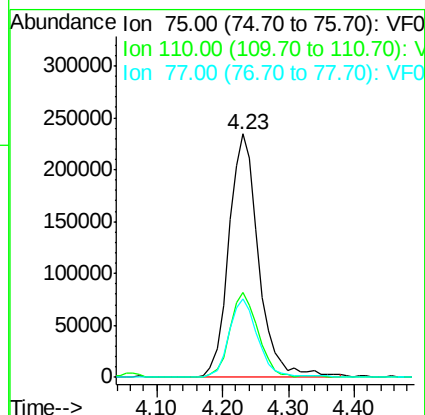
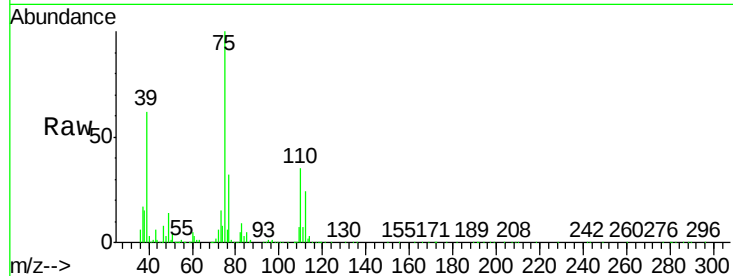
Tot Ion: 75 Resp: 739398

Ion Ratio Lower Upper

75 100

110 35.0 15.9 47.6

77 32.1 24.2 36.4



#36

Ethyl Acetate

Concen: 41.67 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

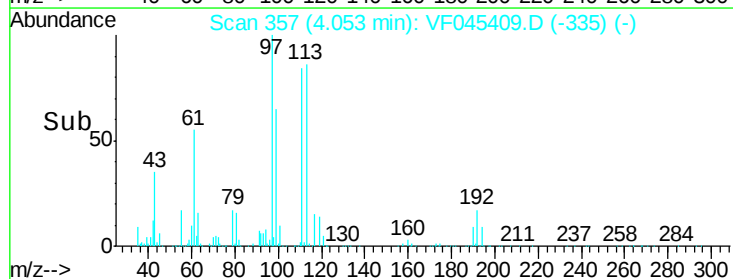
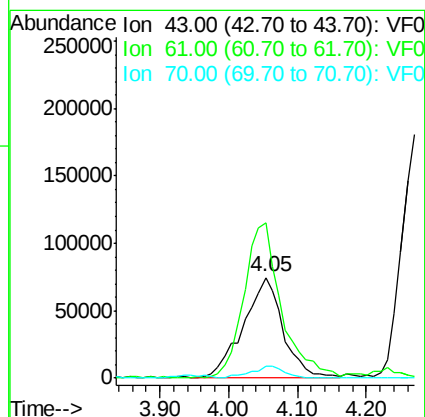
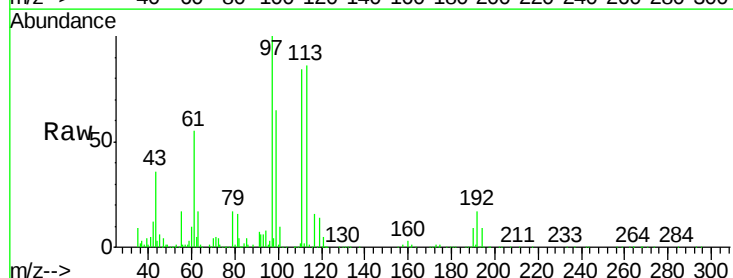
Tgt Ion: 43 Resp: 290455

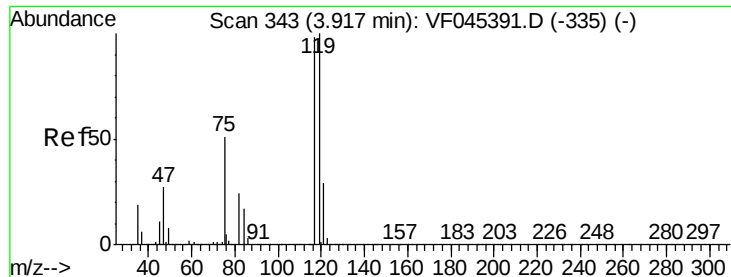
Ion Ratio Lower Upper

43 100

61 153.8 49.4 74.0#

70 11.6 10.8 16.2





#37

Carbon Tetrachloride

Concen: 53.90 ug/l

RT: 3.94 min Scan# 346

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

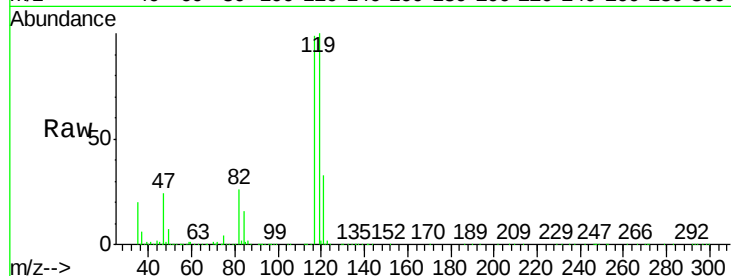
Tot Ion:117 Resp: 782171

Ion Ratio Lower Upper

117 100

119 101.0 77.8 116.8

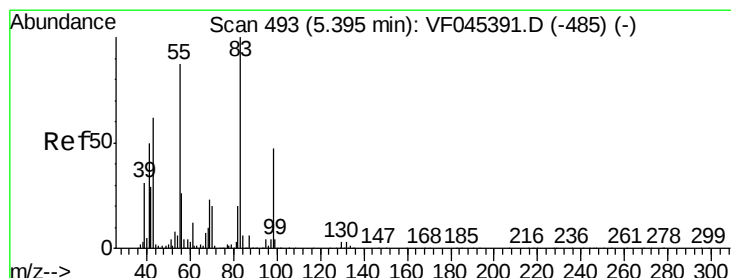
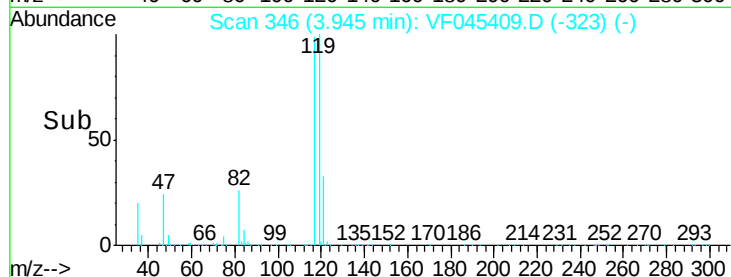
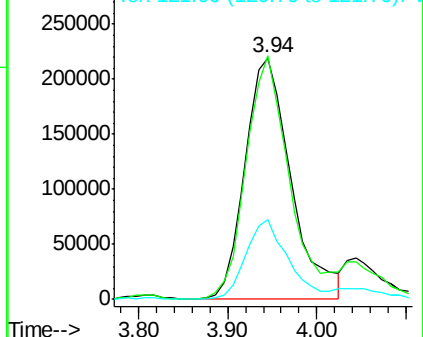
121 33.1 25.4 38.0



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: 55.25 ug/l

RT: 5.41 min Scan# 495

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

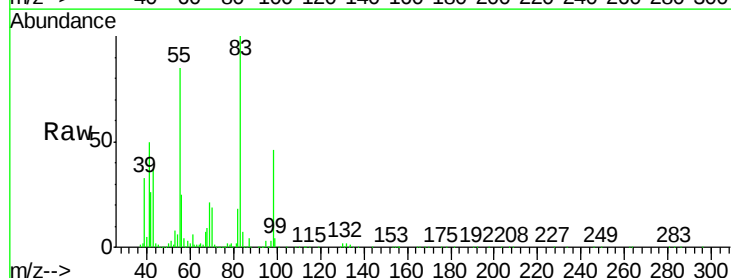
Tgt Ion: 83 Resp: 818054

Ion Ratio Lower Upper

83 100

55 85.4 60.5 90.7

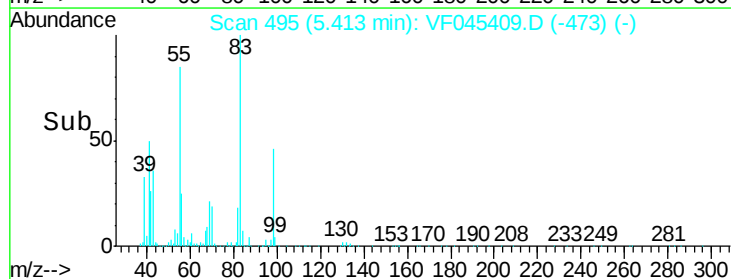
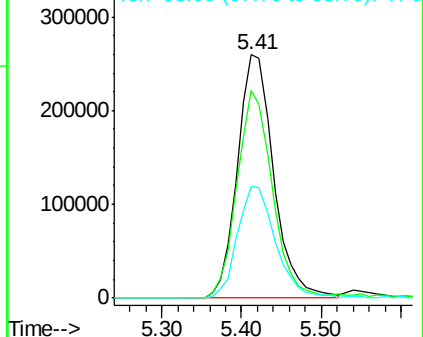
98 45.7 38.1 57.1

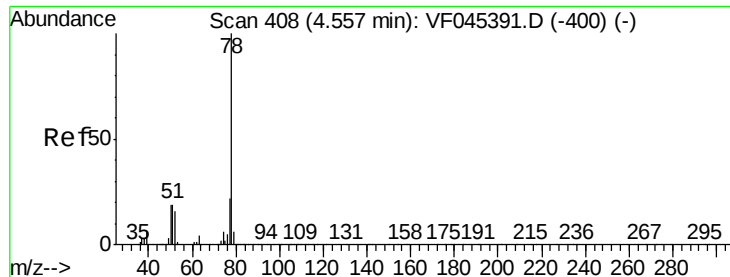


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 54.62 ug/l

RT: 4.59 min Scan# 411

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

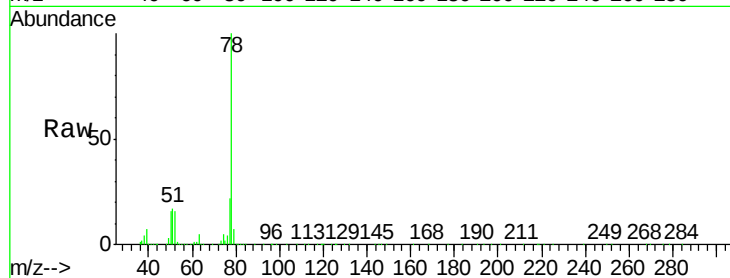
MGP209BR-29-30MS

Tot Ion: 78 Resp: 1758867

Ion Ratio Lower Upper

78 100

77 22.0 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.59

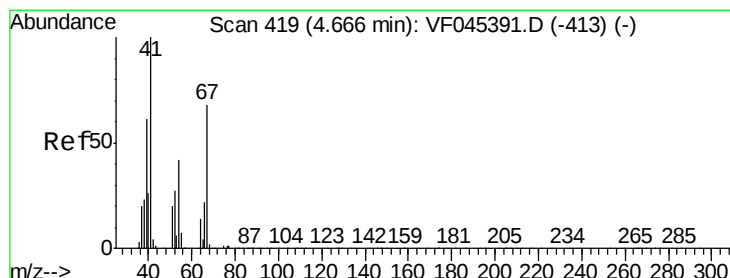
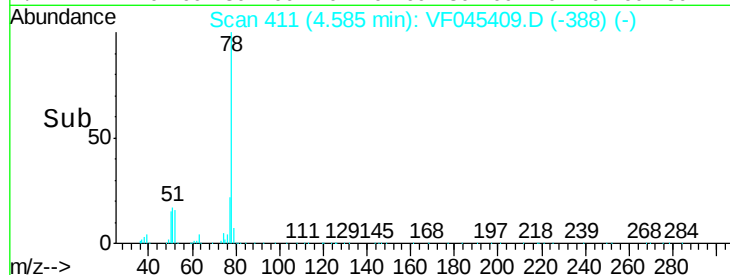
600000

400000

200000

0

Time-->



#40

Methacrylonitrile

Concen: 40.91 ug/l

RT: 4.69 min Scan# 422

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion: 41 Resp: 134983

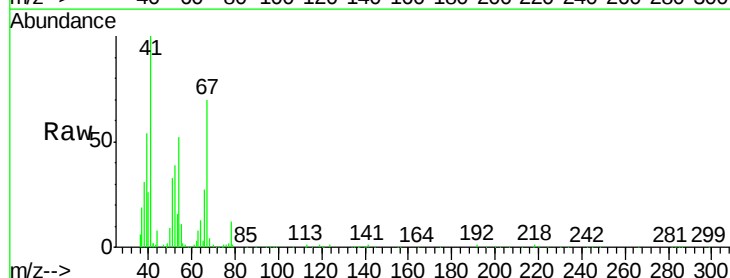
Ion Ratio Lower Upper

41 100

39 53.9 44.9 67.3

67 70.1 49.0 73.4

52 39.5 38.2 57.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

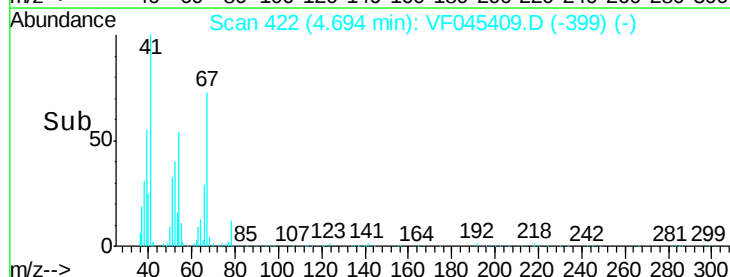
150000

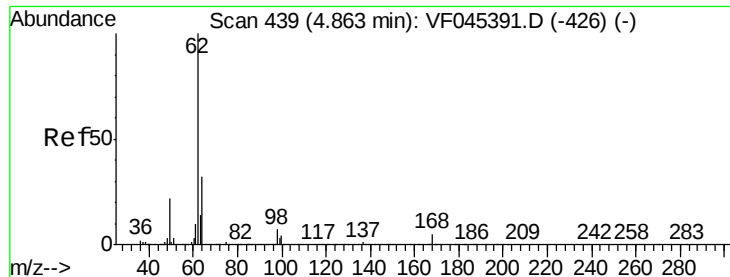
100000

50000

0

Time-->





#41

1,2-Dichloroethane

Concen: 47.25 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

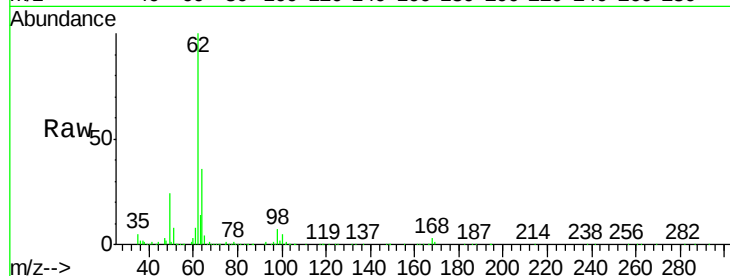
MGP209BR-29-30MS

Tot Ion: 62 Resp: 613794

Ion Ratio Lower Upper

62 100

98 6.6 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

250000

200000

150000

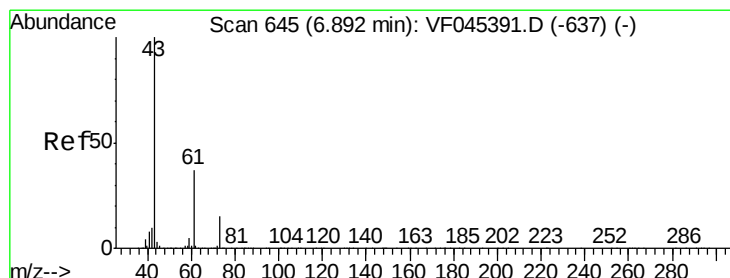
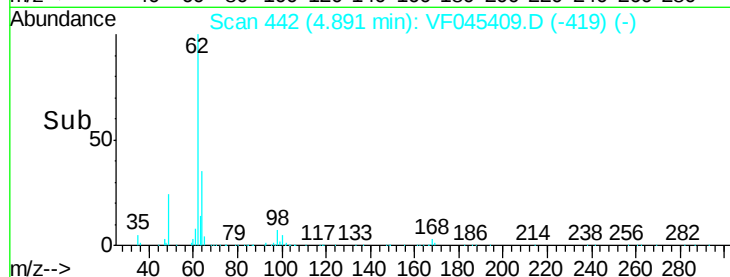
100000

50000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#42

Isopropyl Acetate

Concen: 46.01 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

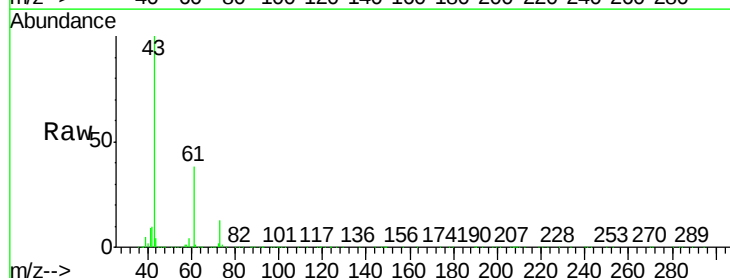
Tgt Ion: 43 Resp: 422502

Ion Ratio Lower Upper

43 100

61 38.1 29.8 44.6

87 0.4 0.2 0.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200000

150000

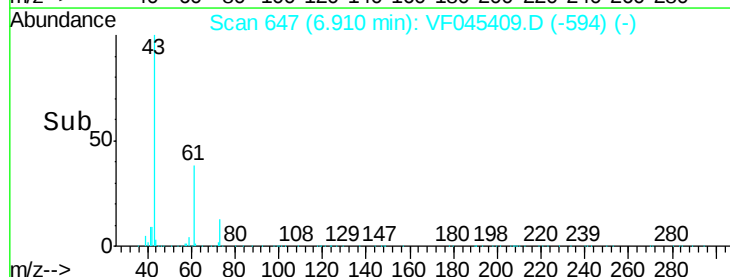
100000

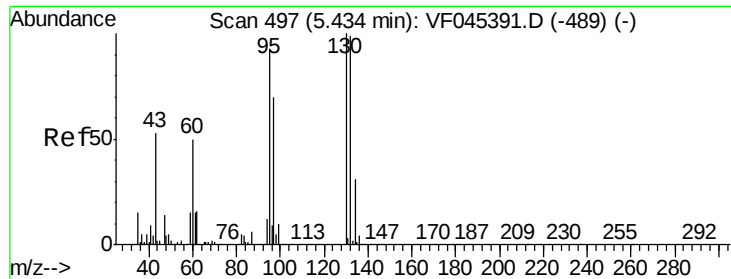
50000

0

6.80 6.90 7.00 7.10

Time-->





#43

Trichloroethene

Concen: 56.43 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

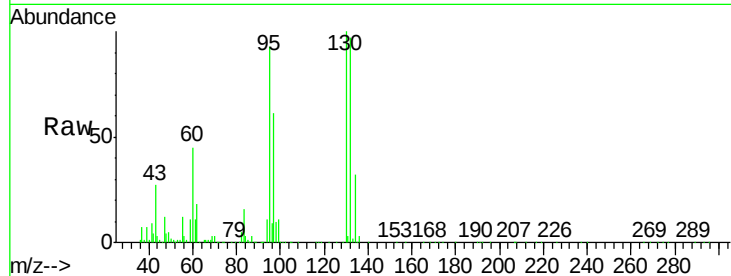
MGP209BR-29-30MS

Tot Ion:130 Resp: 620633

Ion Ratio Lower Upper

130 100

95 93.5 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0

5.46

250000

200000

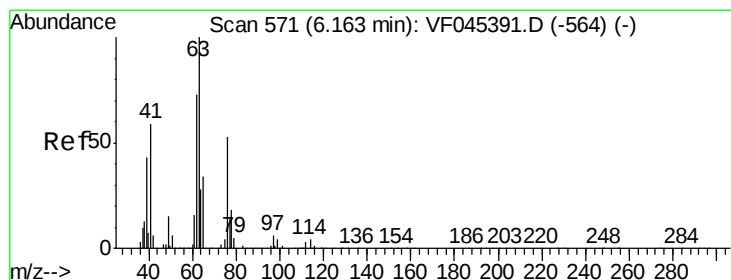
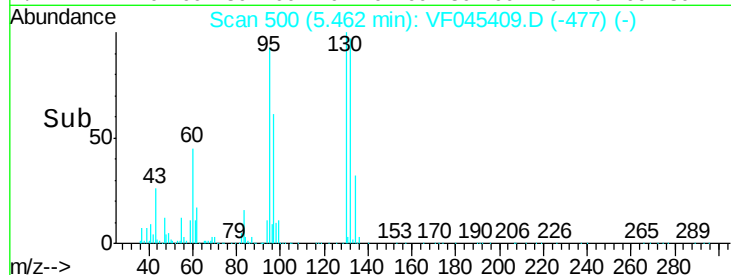
150000

100000

50000

0

Time-->



#44

1,2-Dichloropropane

Concen: 53.66 ug/l

RT: 6.19 min Scan# 574

Delta R.T. 0.03 min

Lab File: VF045409.D

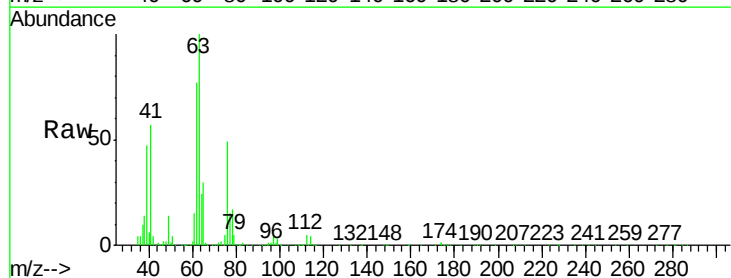
Acq: 17 Sep 2015 16:29

Tgt Ion: 63 Resp: 503515

Ion Ratio Lower Upper

63 100

65 30.2 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.19

200000

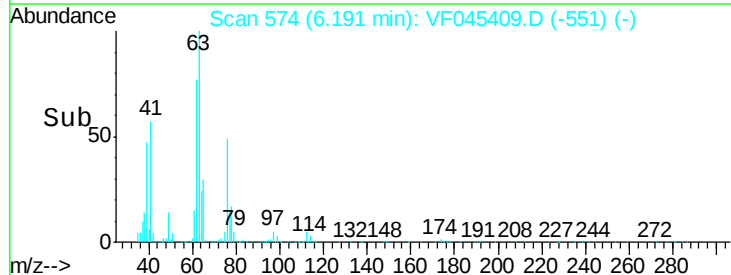
150000

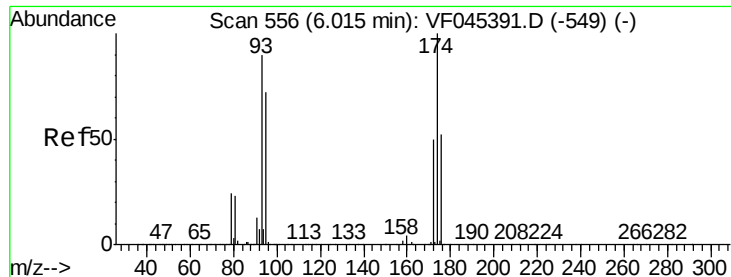
100000

50000

0

Time-->





#45

Dibromomethane

Concen: 50.81 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

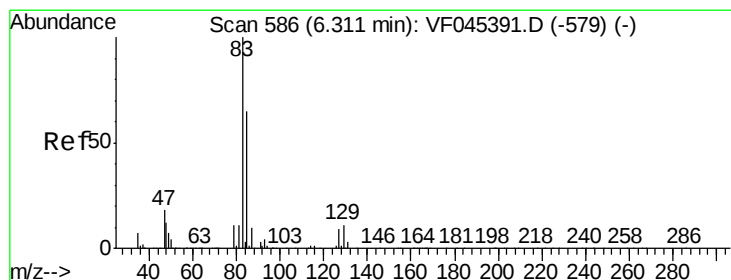
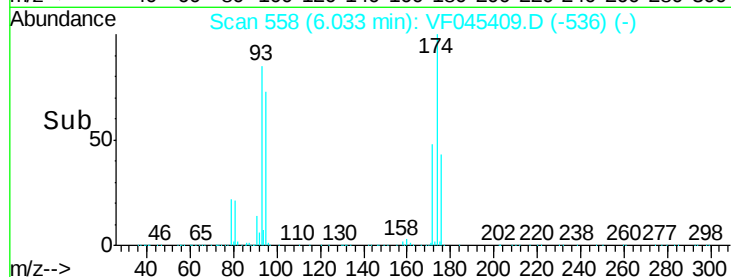
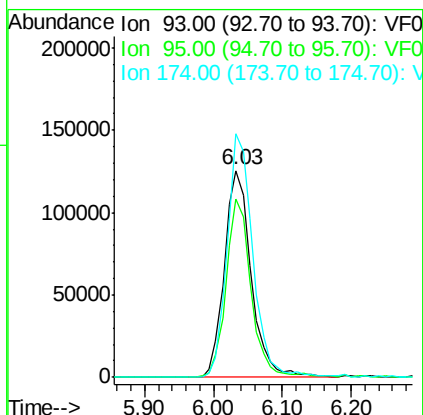
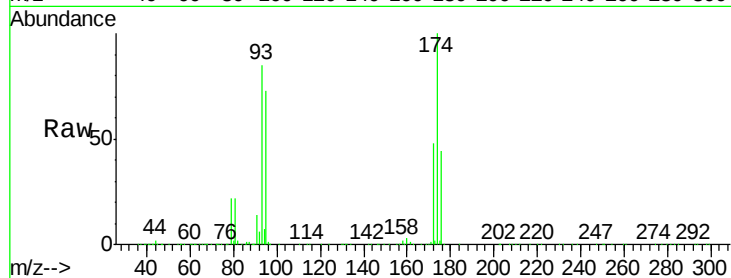
Tot Ion: 93 Resp: 339216

Ion Ratio Lower Upper

93 100

95 86.0 69.8 104.6

174 117.7 90.5 135.7



#46

Bromodichloromethane

Concen: 52.03 ug/l

RT: 6.34 min Scan# 589

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

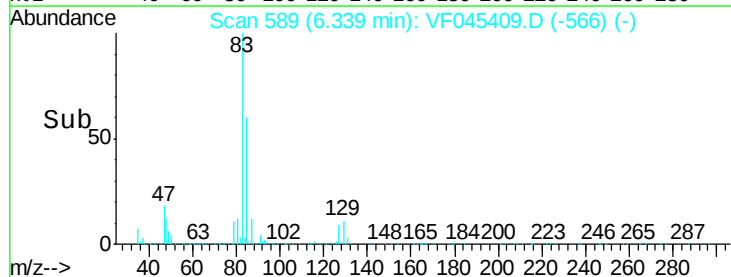
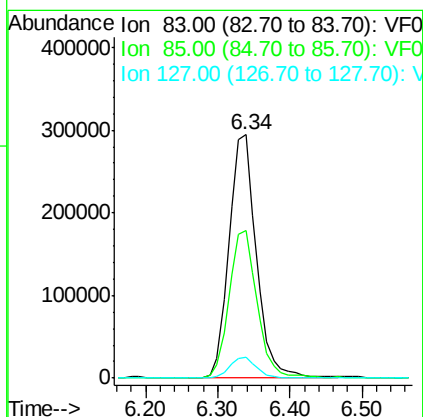
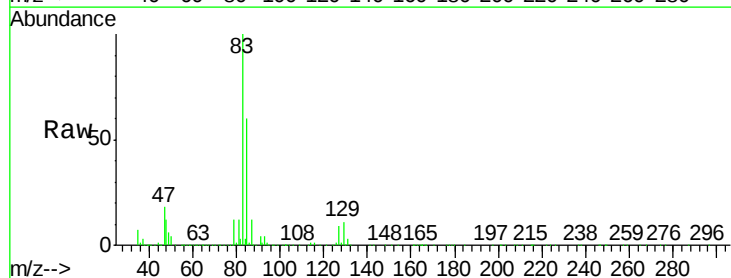
Tgt Ion: 83 Resp: 777884

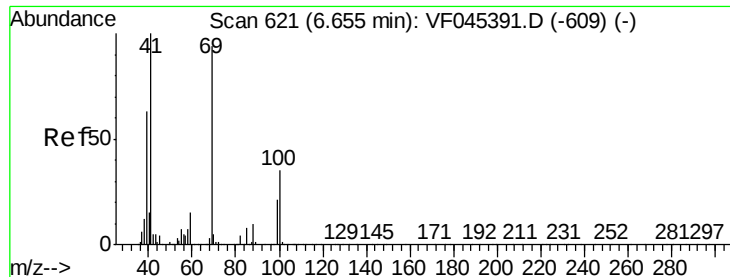
Ion Ratio Lower Upper

83 100

85 60.5 50.6 75.8

127 8.8 7.7 11.5

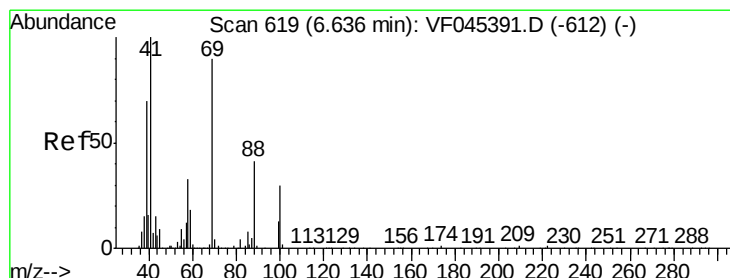
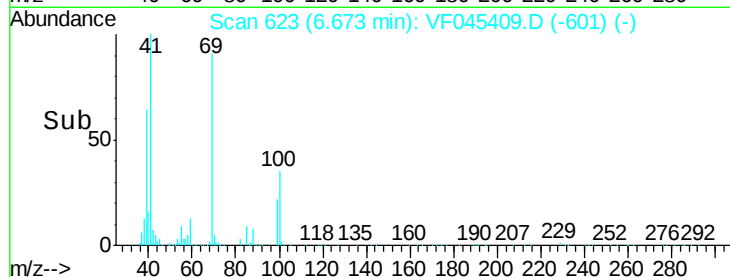
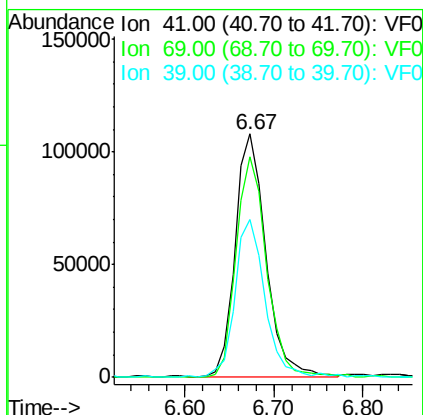
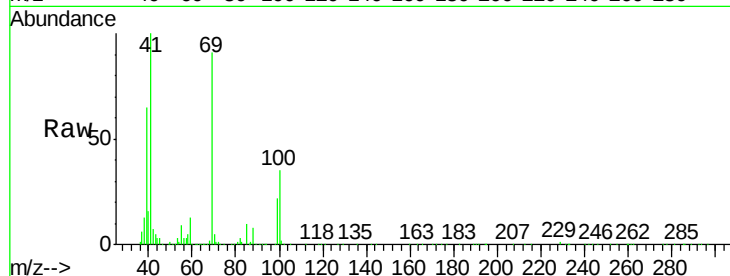




#47
Methvl methacrylate
Concen: 46.15 ug/l
RT: 6.67 min Scan# 623
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

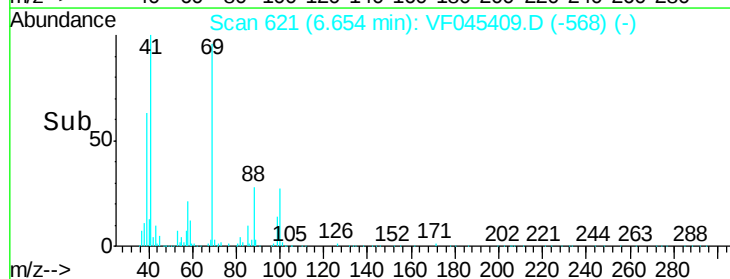
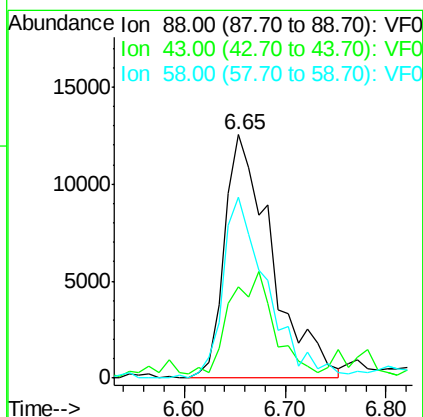
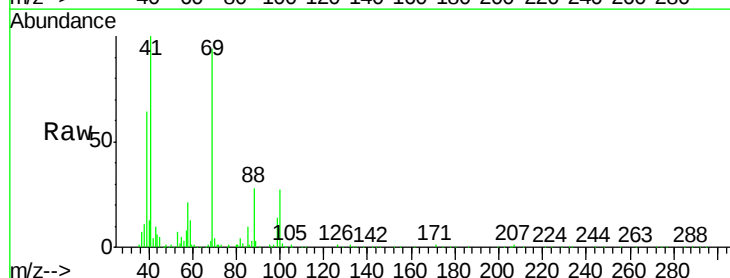
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

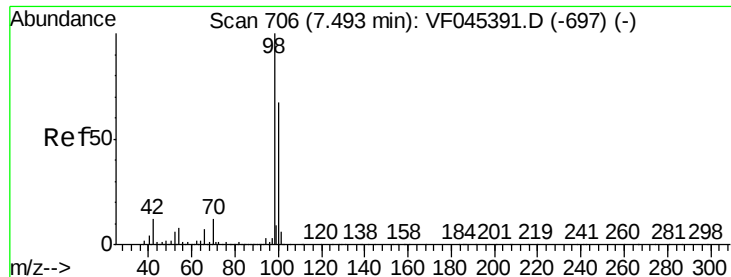
Tot Ion	Ratio	Lower	Upper
41	100		
69	90.7	63.3	94.9
39	64.7	48.9	73.3



#48
1,4-Dioxane
Concen: 613.34 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.7	34.5	51.7
58	74.3	46.5	69.7#





#49

Toluene-d8

Concen: 52.64 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

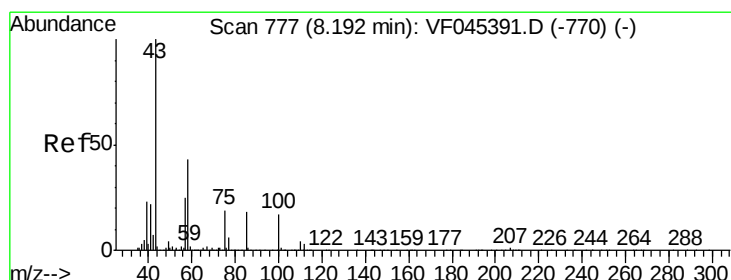
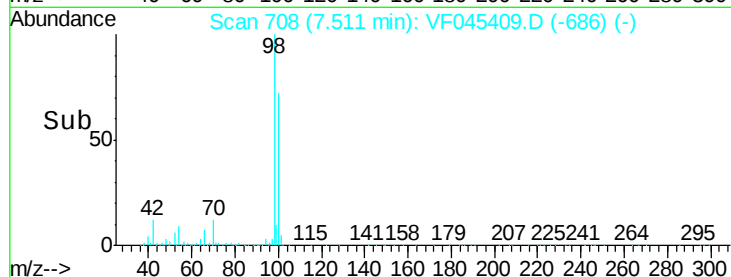
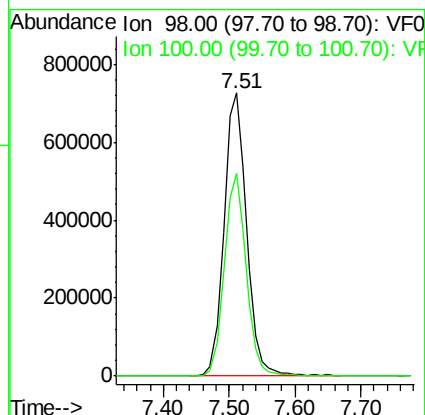
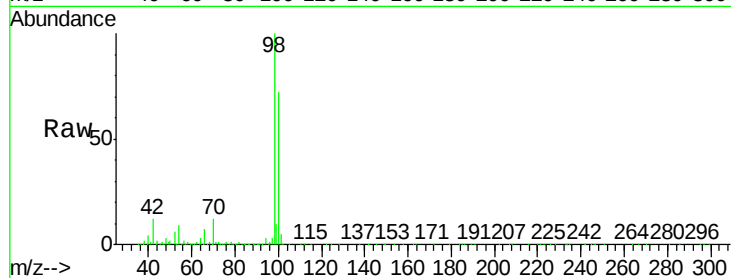
MGP209BR-29-30MS

Tot Ion: 98 Resp: 1744198

Ion Ratio Lower Upper

98 100

100 71.6 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 222.51 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF045409.D

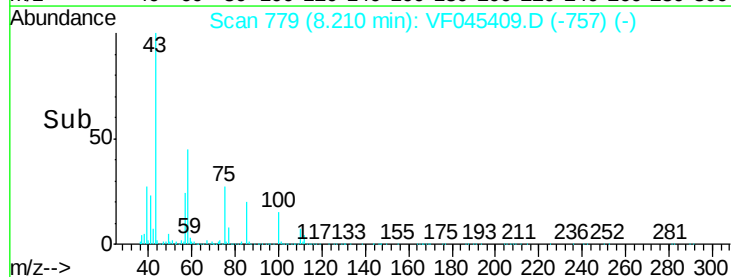
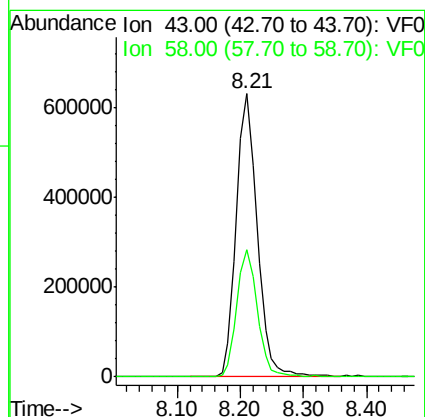
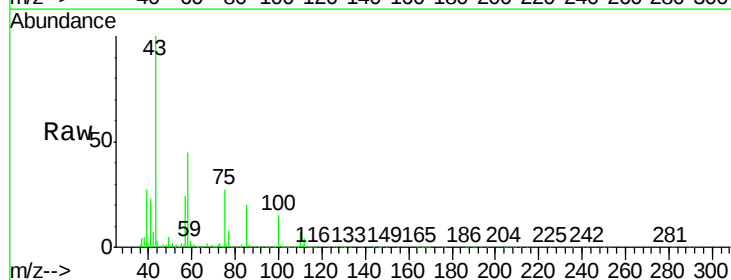
Acq: 17 Sep 2015 16:29

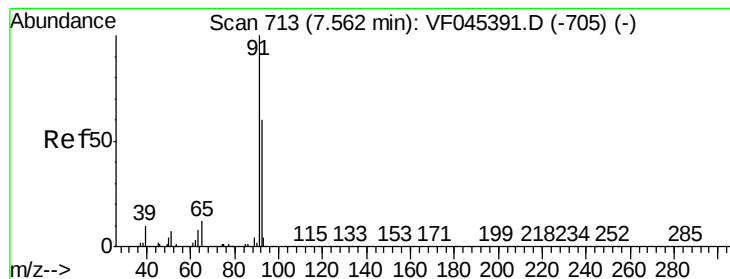
Tgt Ion: 43 Resp: 1452925

Ion Ratio Lower Upper

43 100

58 45.1 33.6 50.4





#51

Toluene

Concen: 54.70 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

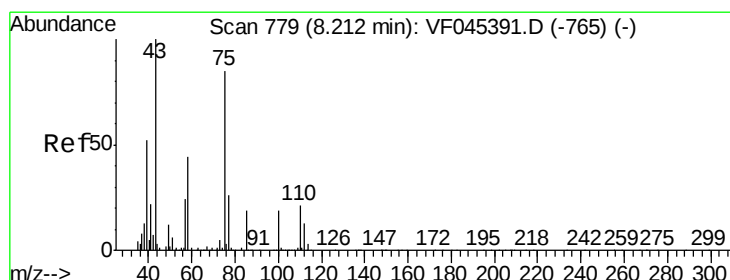
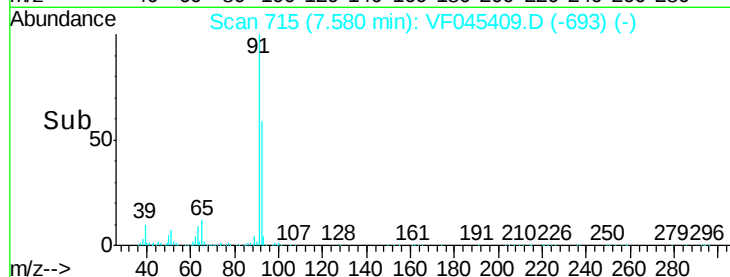
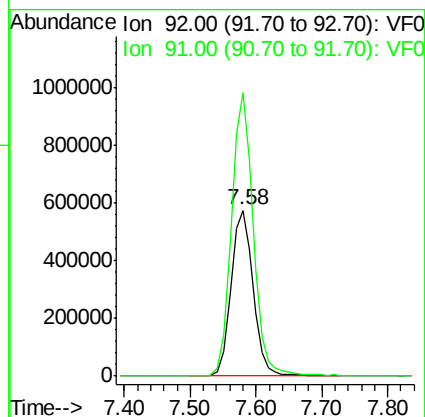
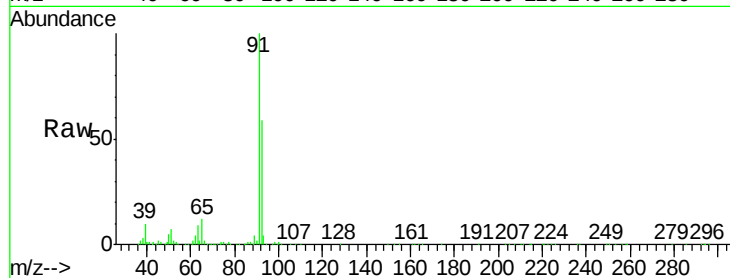
MGP209BR-29-30MS

Tot Ion: 92 Resp: 1357445

Ion Ratio Lower Upper

92 100

91 170.8 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 52.96 ug/l

RT: 8.23 min Scan# 781

Delta R.T. 0.02 min

Lab File: VF045409.D

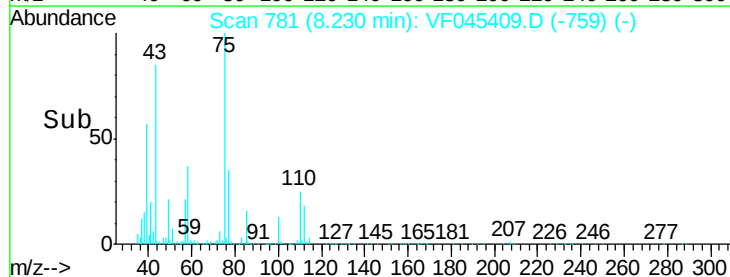
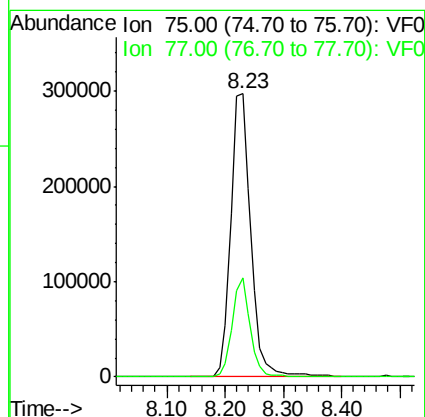
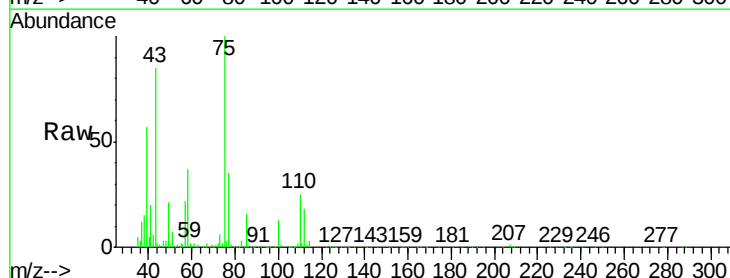
Acq: 17 Sep 2015 16:29

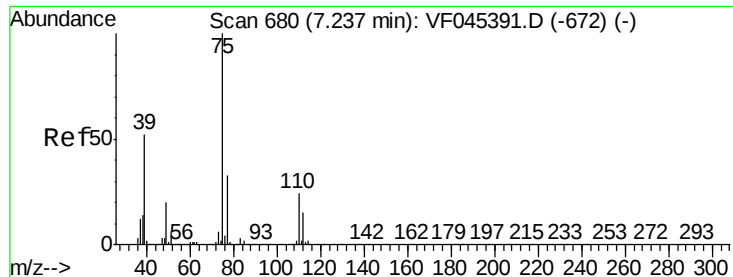
Tgt Ion: 75 Resp: 711678

Ion Ratio Lower Upper

75 100

77 34.9 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 51.11 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

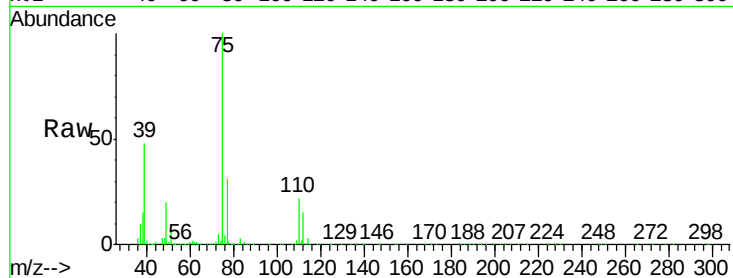
Tot Ion: 75 Resp: 811139

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

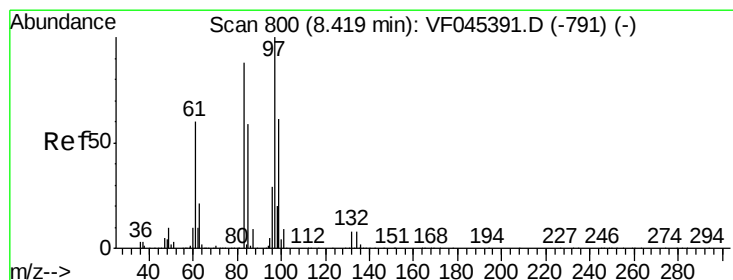
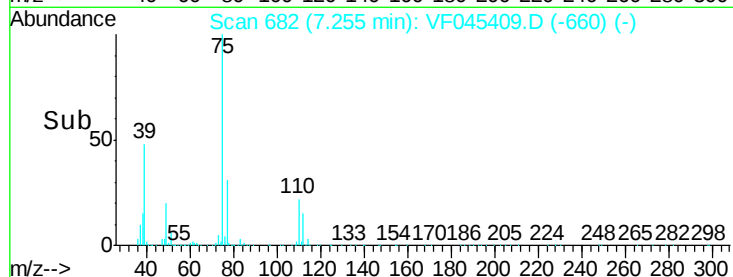
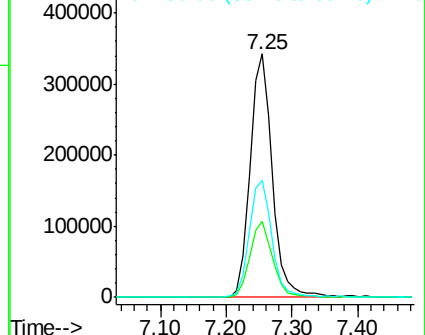
39 47.9 41.6 62.4



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: 48.03 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion: 97 Resp: 403074

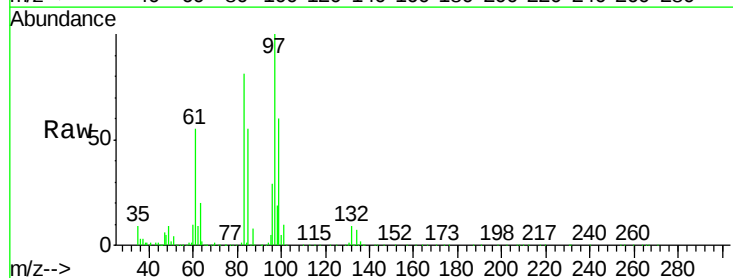
Ion Ratio Lower Upper

97 100

83 81.0 70.1 105.1

85 55.1 47.4 71.2

99 59.7 50.6 75.8

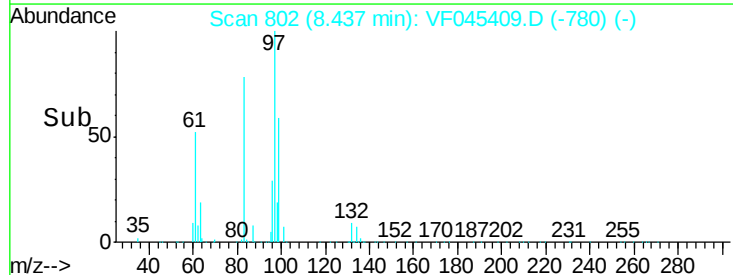
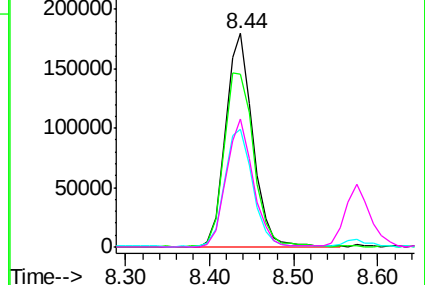


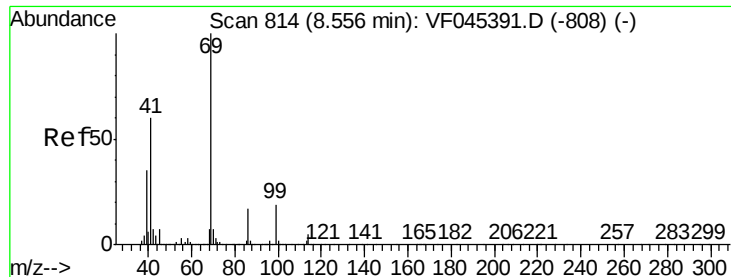
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.19 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

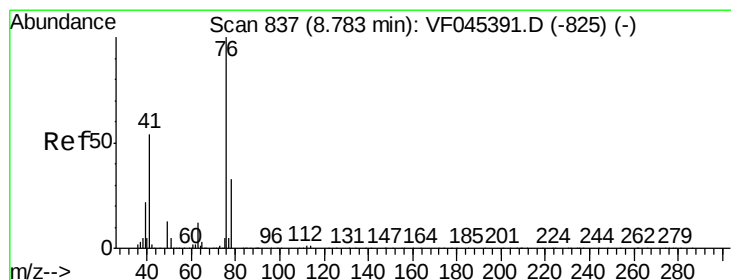
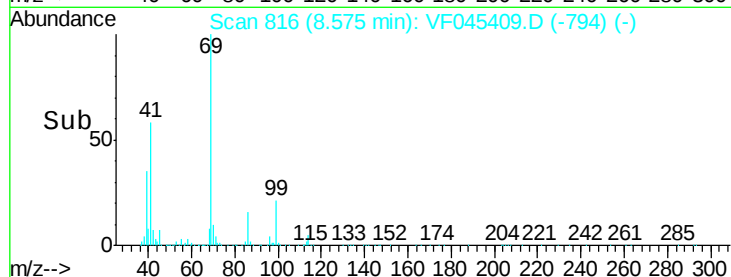
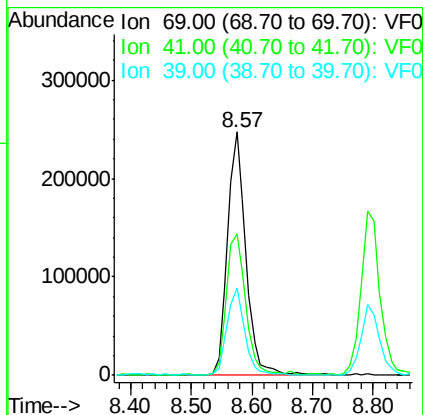
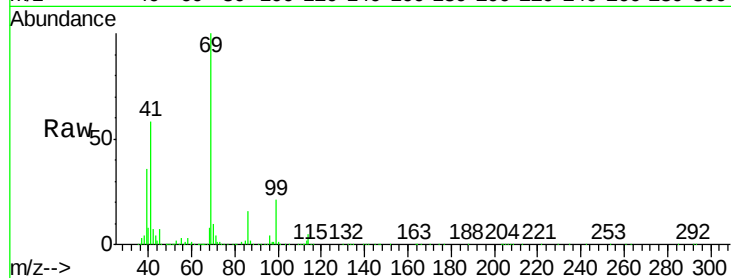
Tot Ion: 69 Resp: 526141

Ion Ratio Lower Upper

69 100

41 58.1 51.0 76.4

39 35.9 29.1 43.7



#56

1,3-Dichloropropane

Concen: 48.66 ug/l

RT: 8.80 min Scan# 839

Delta R.T. 0.02 min

Lab File: VF045409.D

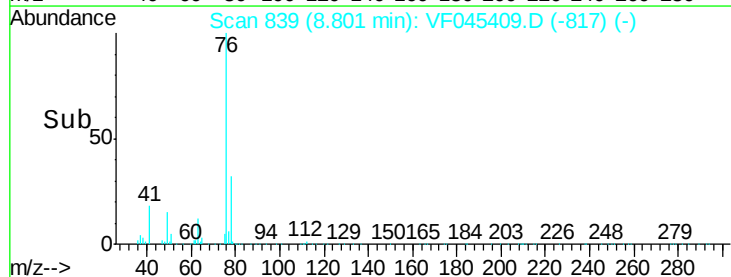
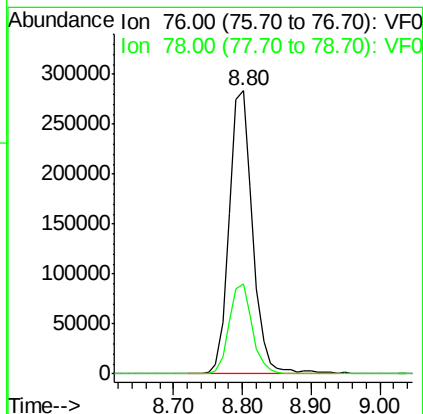
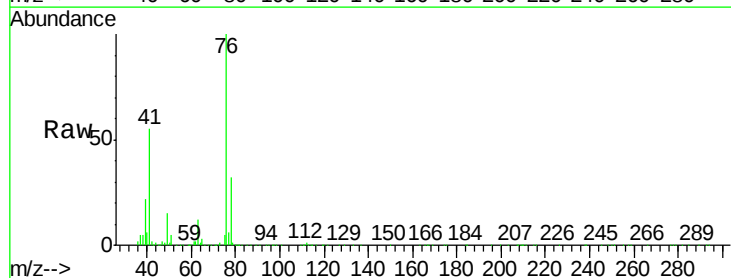
Acq: 17 Sep 2015 16:29

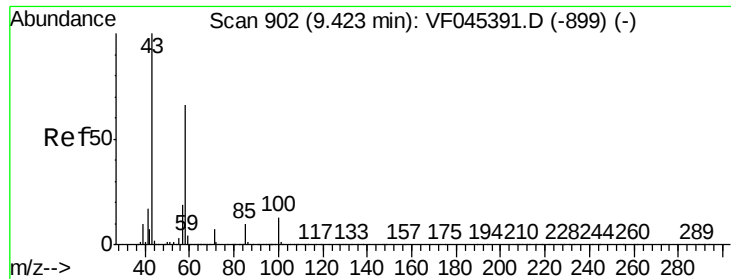
Tgt Ion: 76 Resp: 666111

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1

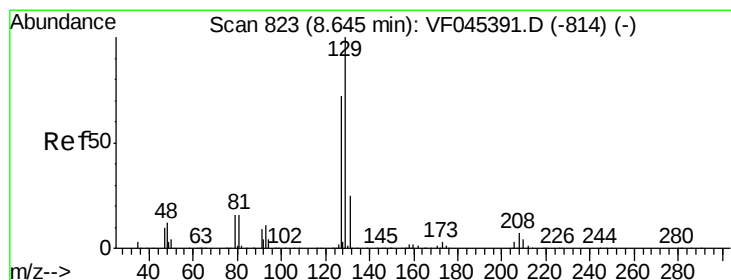
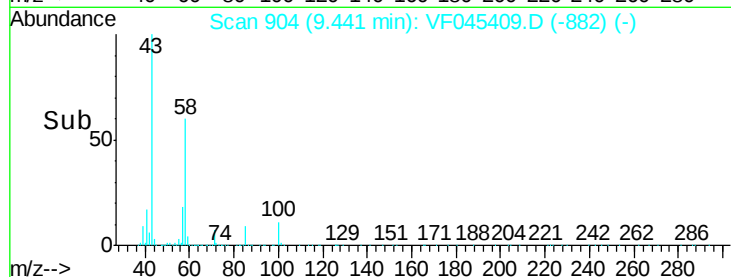
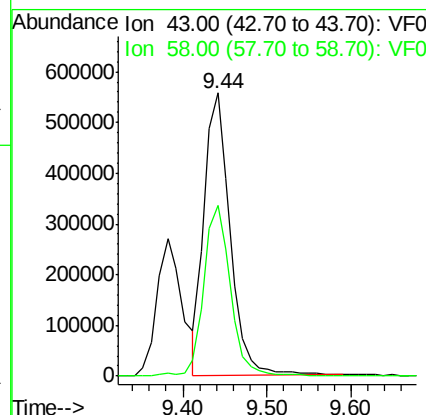
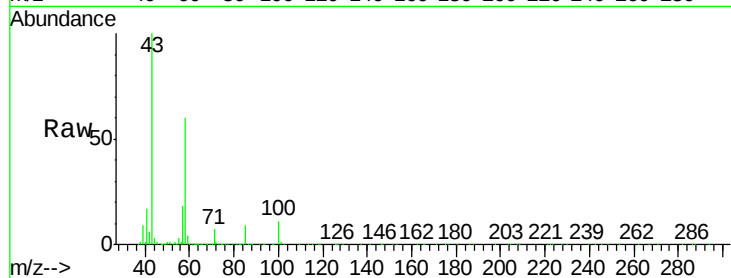




#58
2-Hexanone
Concen: 229.29 ug/l
RT: 9.44 min Scan# 904
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

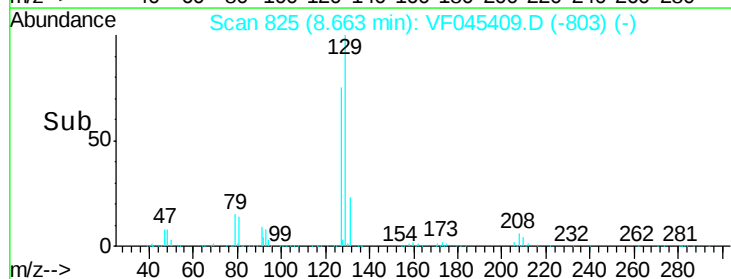
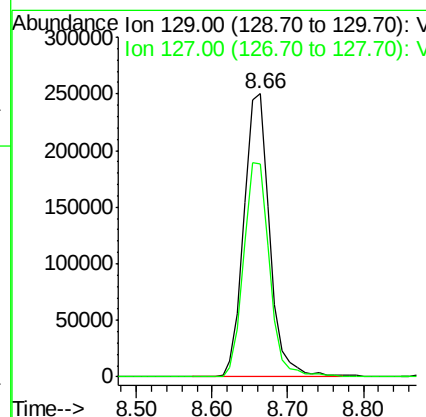
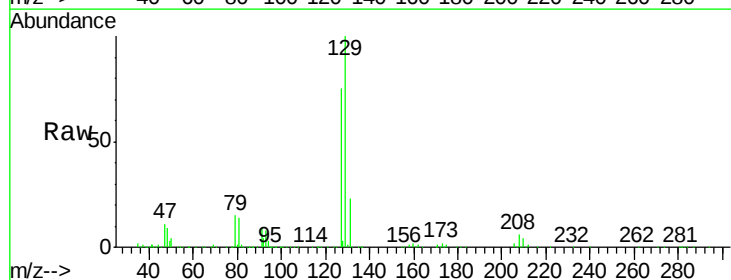
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

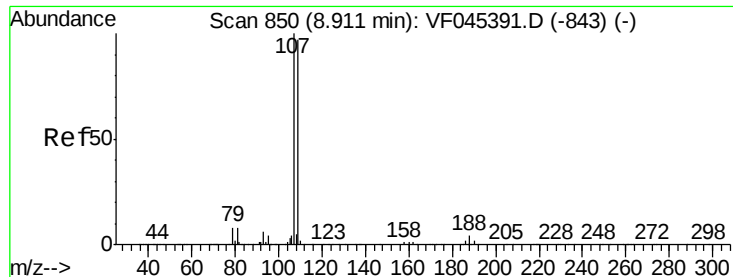
Tot Ion: 43 Resp: 1191699
Ion Ratio Lower Upper
43 100
58 60.2 28.8 86.5



#59
Dibromochloromethane
Concen: 49.42 ug/l
RT: 8.66 min Scan# 825
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion: 129 Resp: 587809
Ion Ratio Lower Upper
129 100
127 75.3 38.2 114.6





#60

1,2-Dibromoethane

Concen: 50.24 ug/l

RT: 8.93 min Scan# 852

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

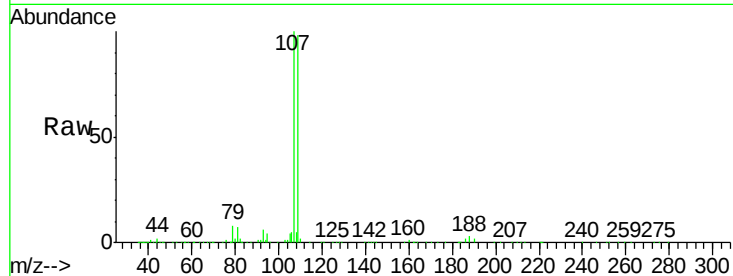
MGP209BR-29-30MS

Tot Ion:107 Resp: 478542

Ion Ratio Lower Upper

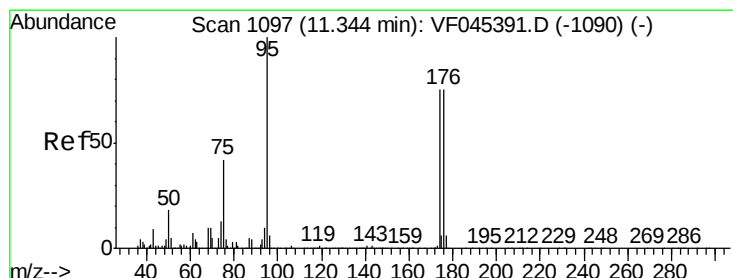
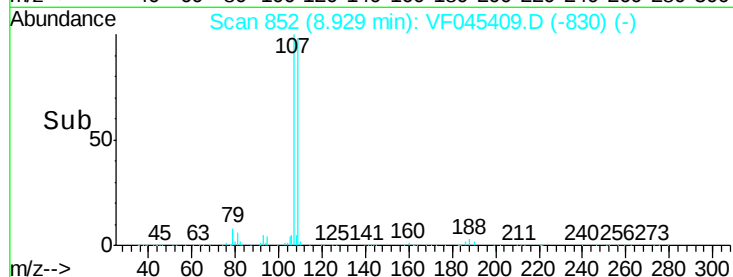
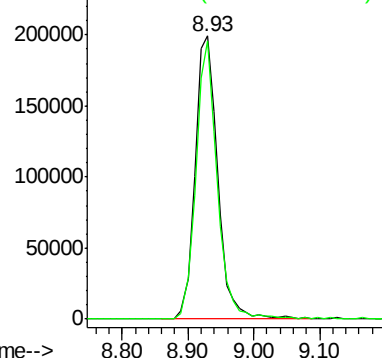
107 100

109 98.3 79.4 119.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 47.87 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

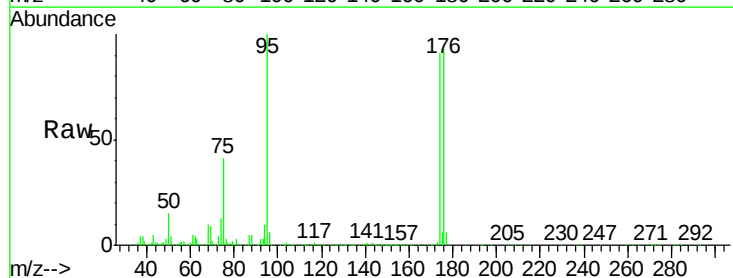
Tgt Ion: 95 Resp: 762393

Ion Ratio Lower Upper

95 100

174 90.9 0.0 177.8

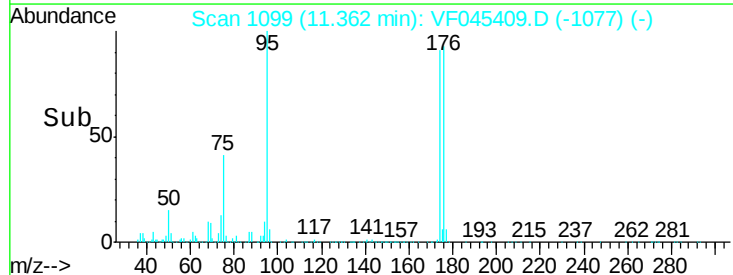
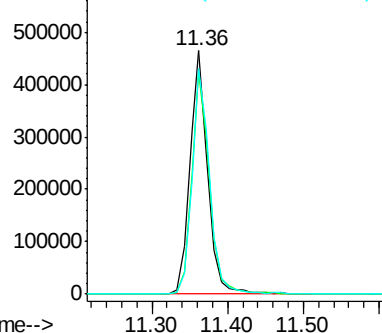
176 92.6 0.0 176.2

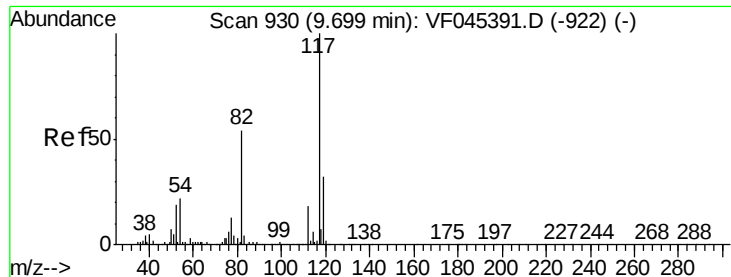


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.72 min Scan# 932

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

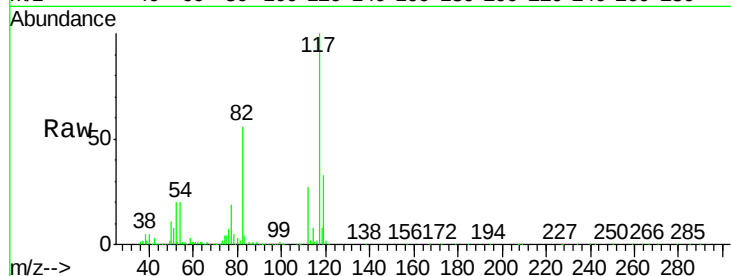
Tot Ion:117 Resp: 1326783

Ion Ratio Lower Upper

117 100

82 56.2 45.0 67.6

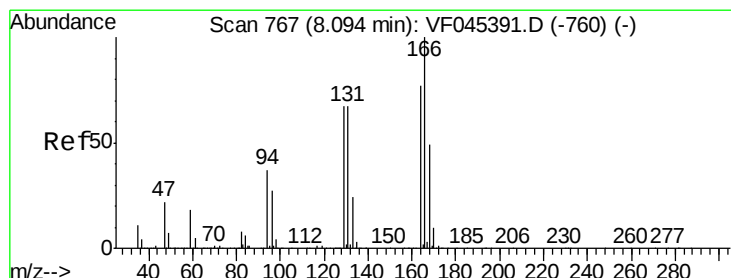
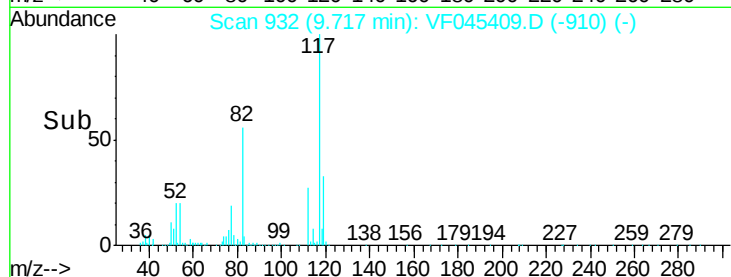
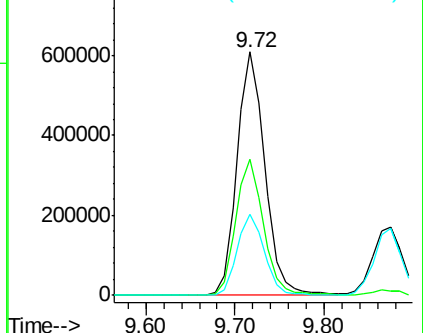
119 33.1 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 56.88 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:164 Resp: 599565

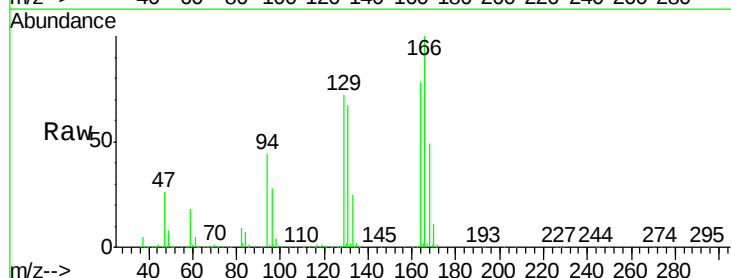
Ion Ratio Lower Upper

164 100

166 128.5 106.0 159.0

129 92.0 69.8 104.6

131 85.5 68.2 102.4

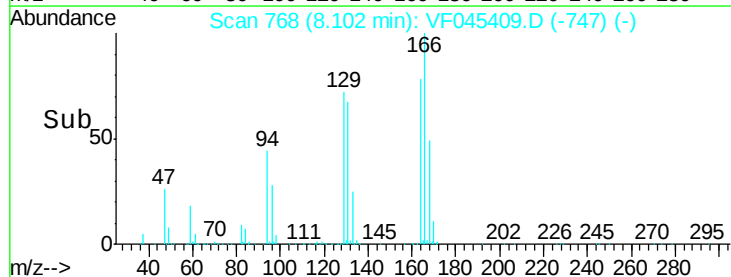
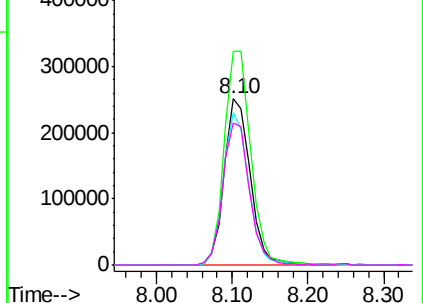


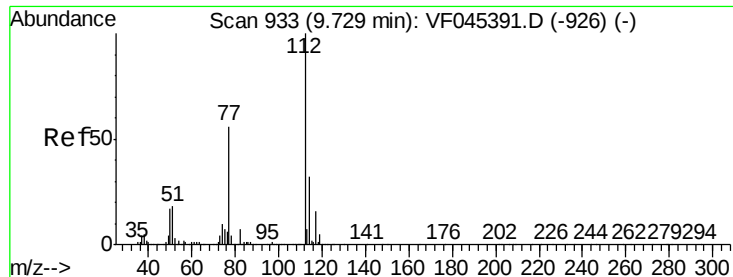
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

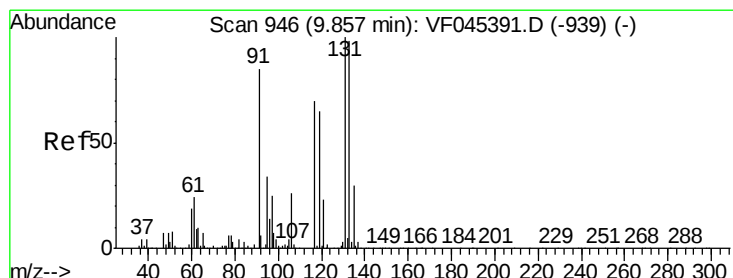
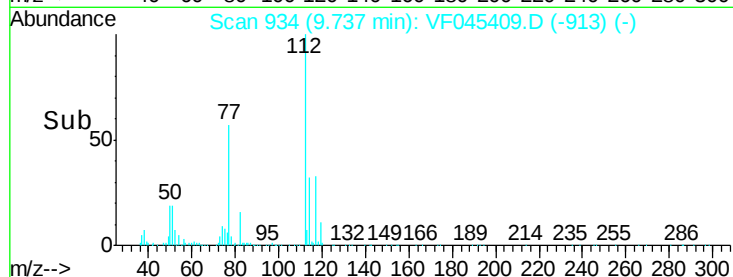
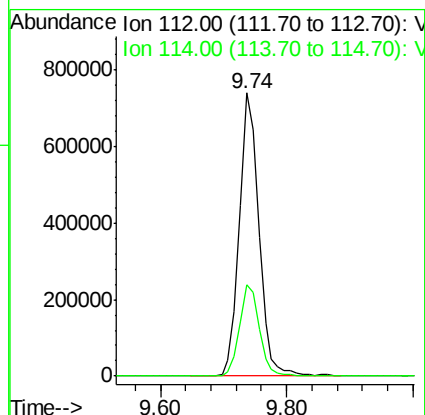
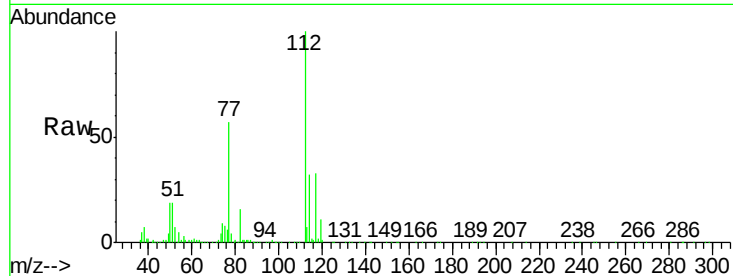




#64
Chlorobenzene
Concen: 56.57 ug/l
RT: 9.74 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

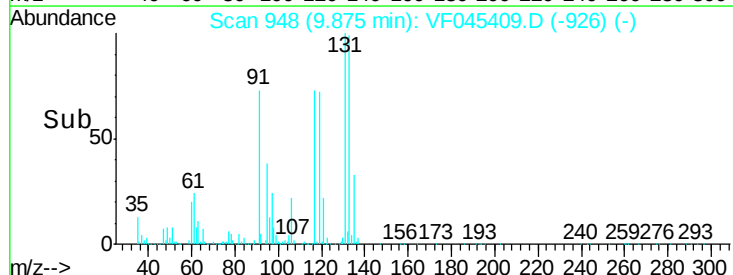
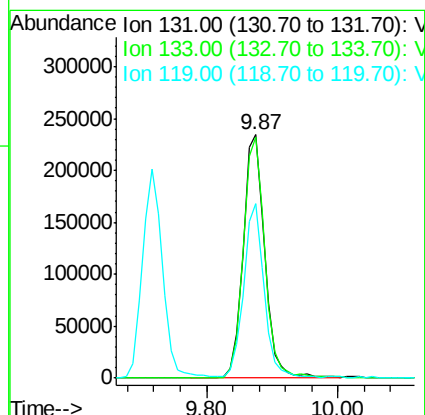
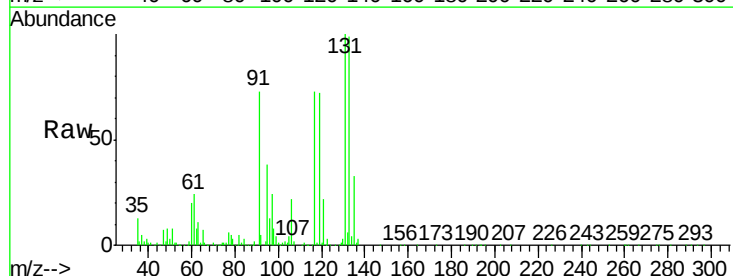
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

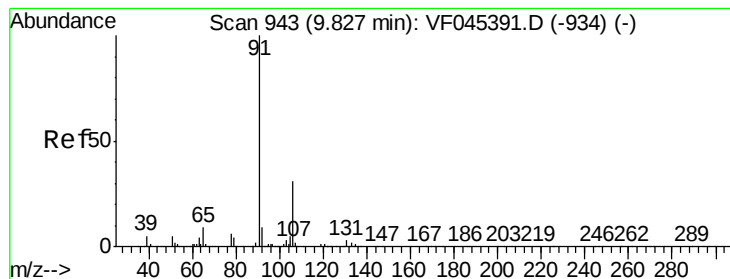
Tot Ion:112 Resp: 1574564
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 53.03 ug/l
RT: 9.87 min Scan# 948
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion:131 Resp: 539584
Ion Ratio Lower Upper
131 100
133 98.9 48.1 144.4
119 71.6 34.8 104.5





#66

Ethyl Benzene

Concen: 55.40 ug/l

RT: 9.85 min Scan# 945

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

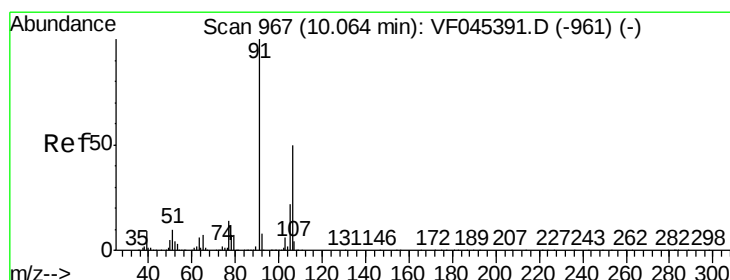
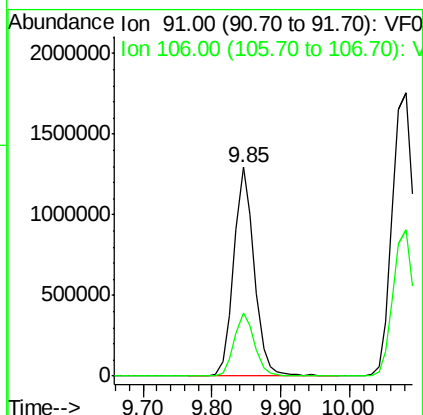
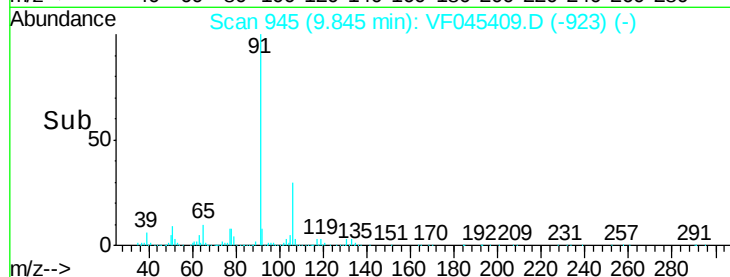
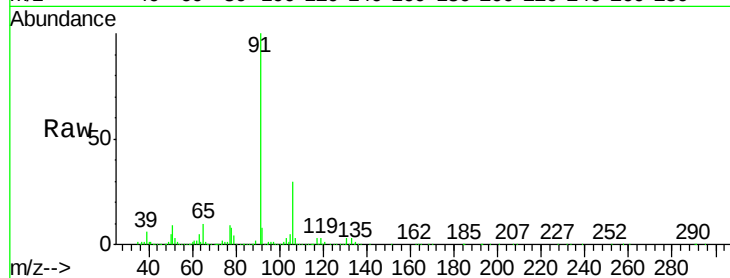
MGP209BR-29-30MS

Tot Ion: 91 Resp: 2672028

Ion Ratio Lower Upper

91 100

106 30.0 23.6 35.4



#67

m/p-Xylenes

Concen: 113.17 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.02 min

Lab File: VF045409.D

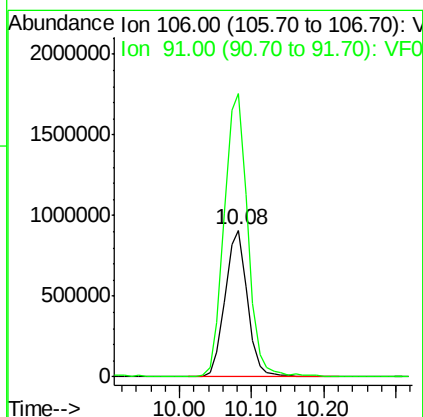
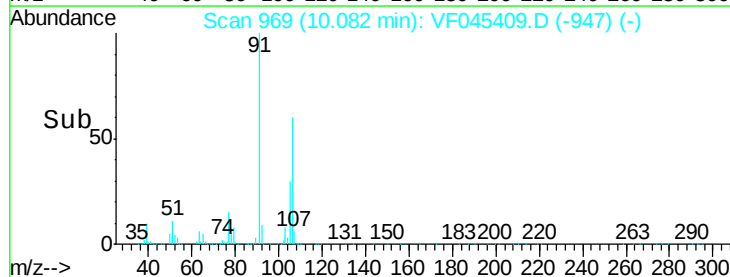
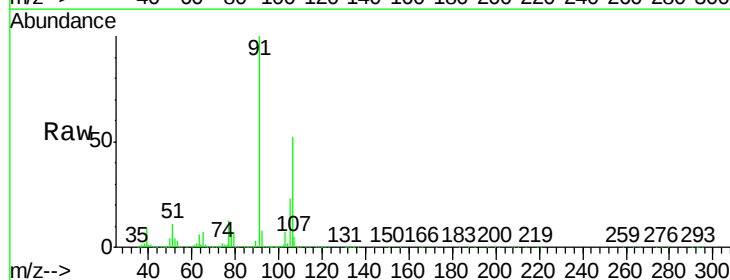
Acq: 17 Sep 2015 16:29

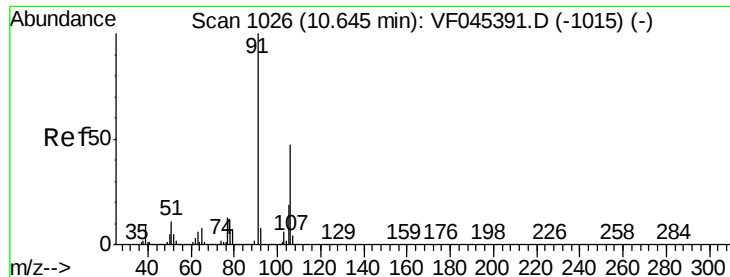
Tgt Ion:106 Resp: 1956289

Ion Ratio Lower Upper

106 100

91 192.7 166.1 249.1

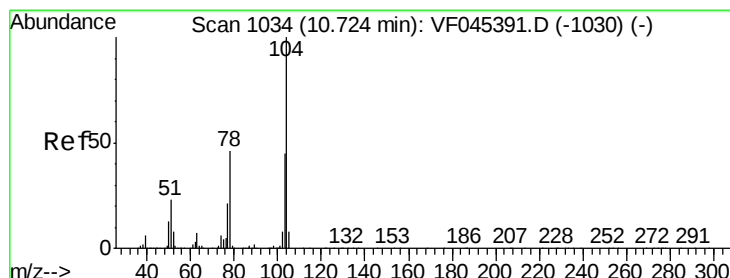
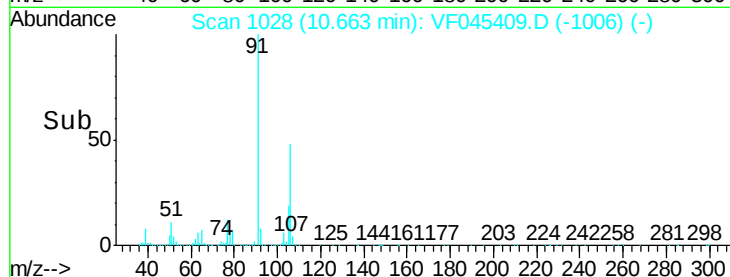
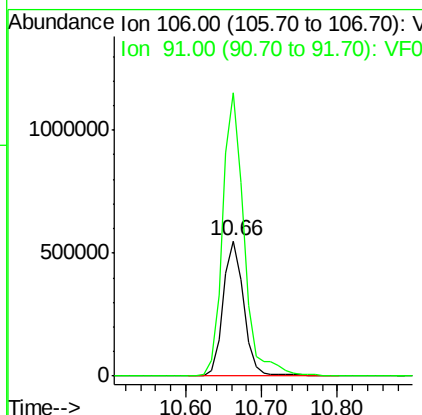
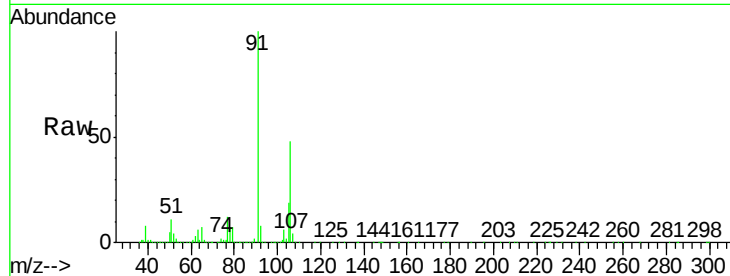




#68
o-Xylene
Concen: 58.18 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

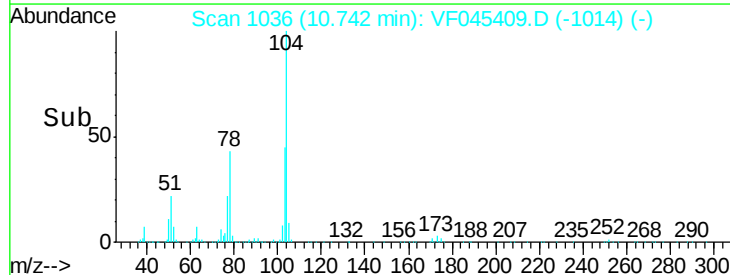
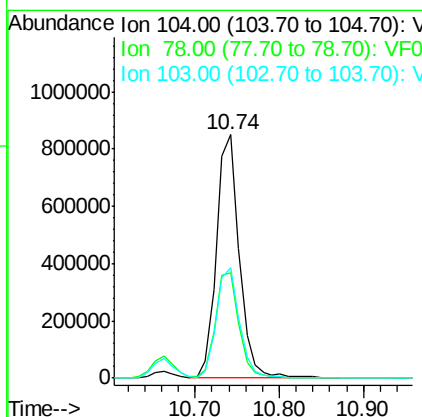
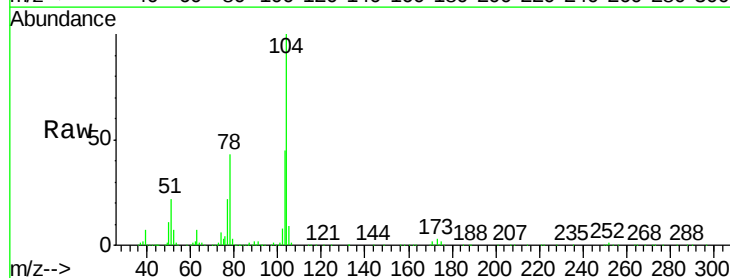
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

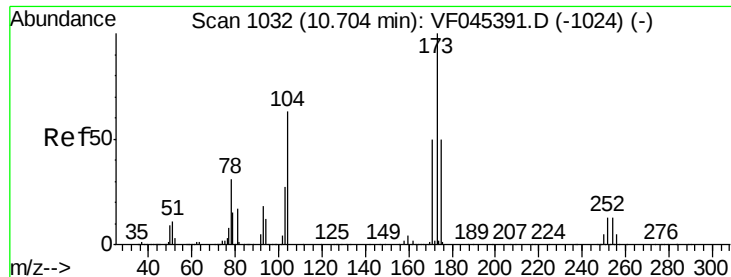
Tot Ion:106 Resp: 1044017
Ion Ratio Lower Upper
106 100
91 209.0 108.1 324.2



#69
Styrene
Concen: 55.74 ug/l
RT: 10.74 min Scan# 1036
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion:104 Resp: 1596408
Ion Ratio Lower Upper
104 100
78 43.5 34.2 51.4
103 45.3 36.7 55.1

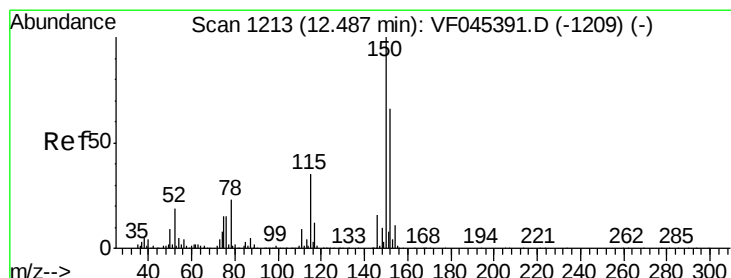
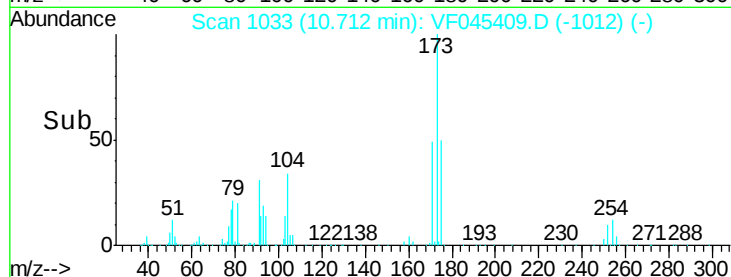
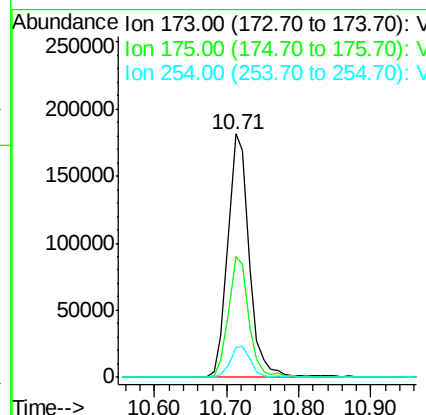
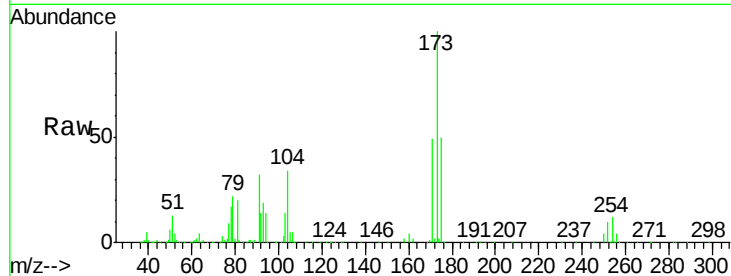




#70
Bromoform
Concen: 49.78 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

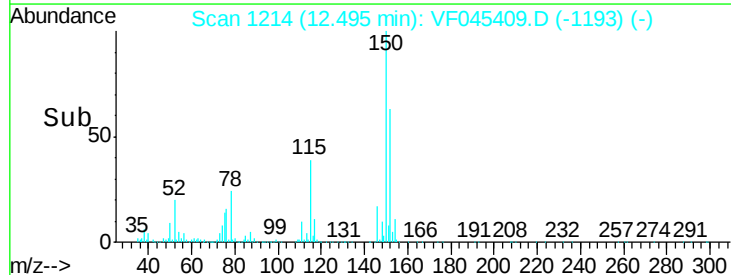
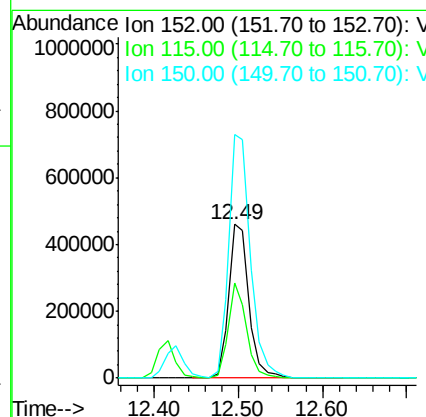
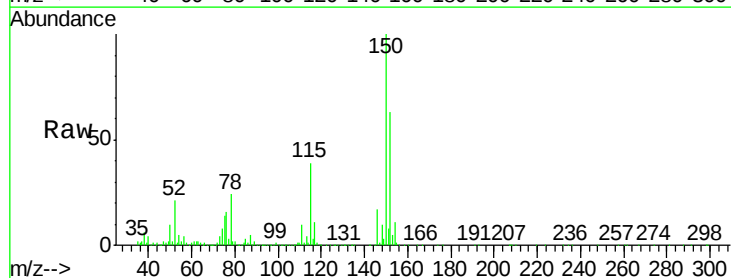
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

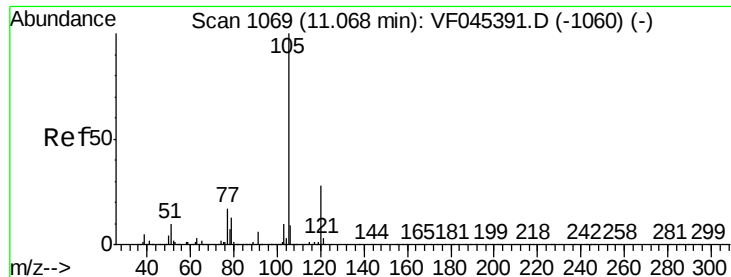
Tot Ion:173 Resp: 375872
Ion Ratio Lower Upper
173 100
175 49.6 25.7 77.0
254 12.3 9.8 14.6



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion:152 Resp: 764910
Ion Ratio Lower Upper
152 100
115 61.9 28.3 85.0
150 158.4 0.0 324.2





#72

Isopropylbenzene

Concen: 54.76 ug/l

RT: 11.08 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

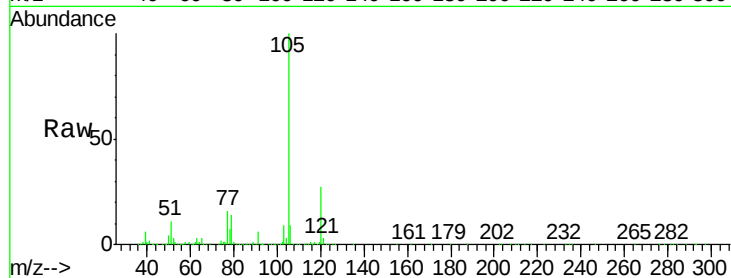
MGP209BR-29-30MS

Tot Ion:105 Resp: 2806523

Ion Ratio Lower Upper

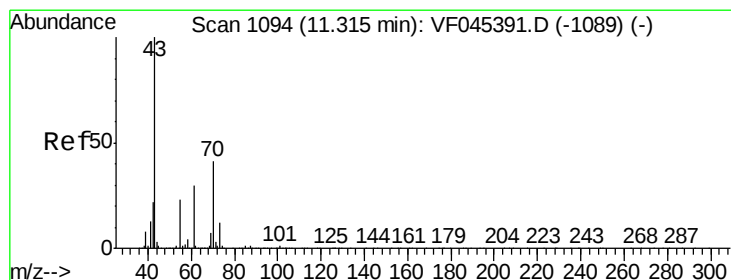
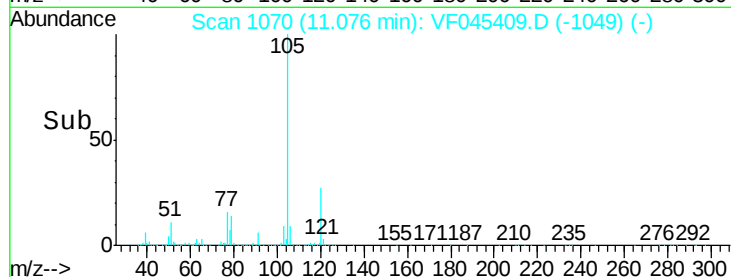
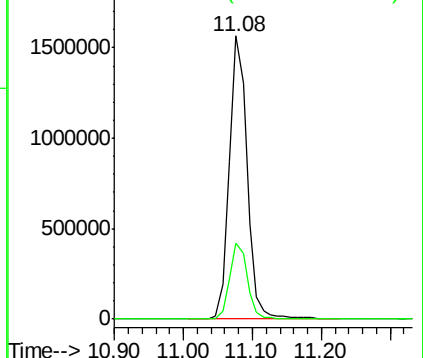
105 100

120 26.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#73

N-ethyl acetate

Concen: 50.02 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion: 43 Resp: 710481

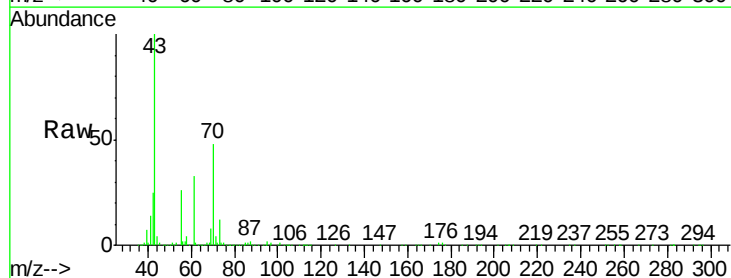
Ion Ratio Lower Upper

43 100

70 48.1 30.0 45.0#

55 25.8 16.8 25.2#

61 33.0 20.6 30.8#

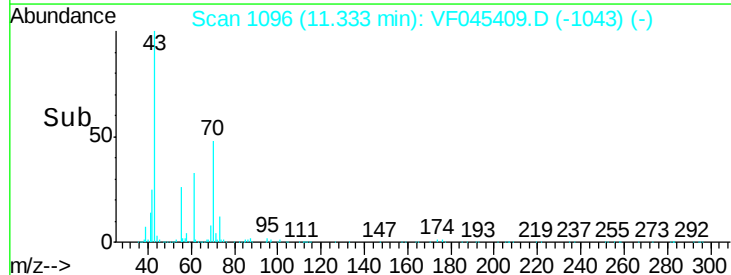
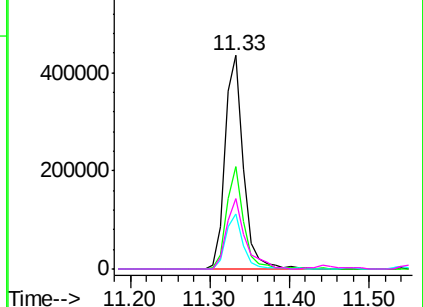


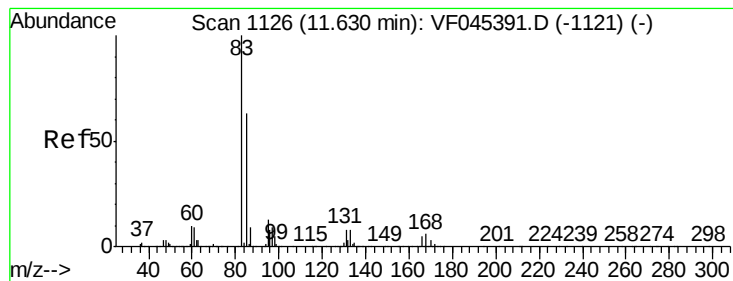
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#74

1,1,2,2-Tetrachloroethane

Concen: 45.22 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

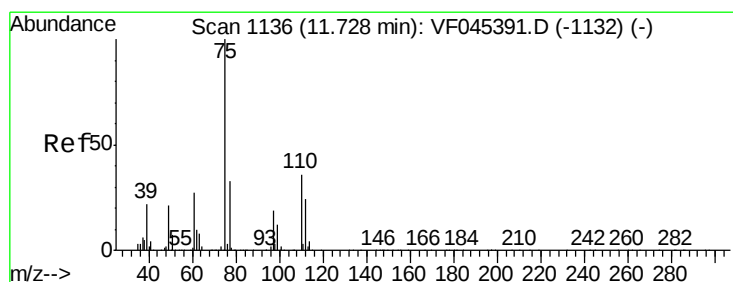
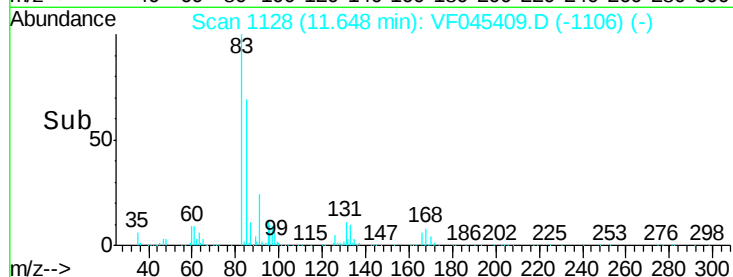
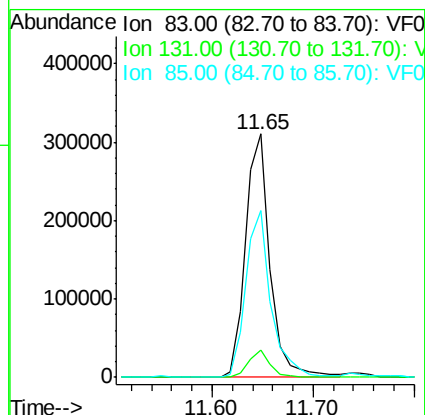
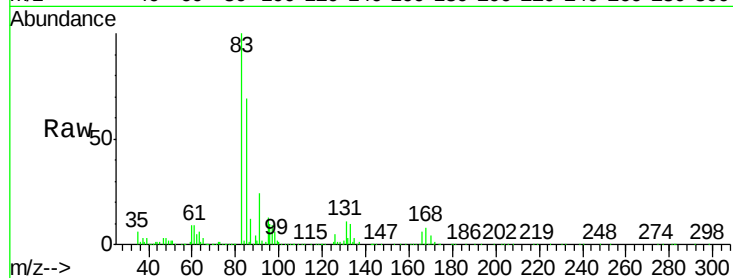
Tot Ion: 83 Resp: 525257

Ion Ratio Lower Upper

83 100

131 11.2 4.2 12.6

85 68.6 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 49.54 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. 0.02 min

Lab File: VF045409.D

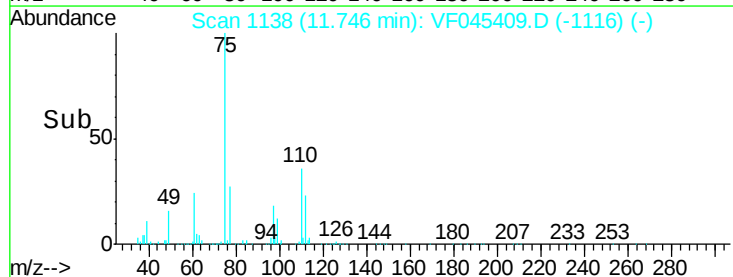
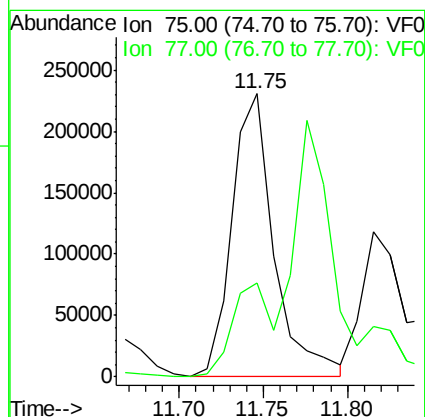
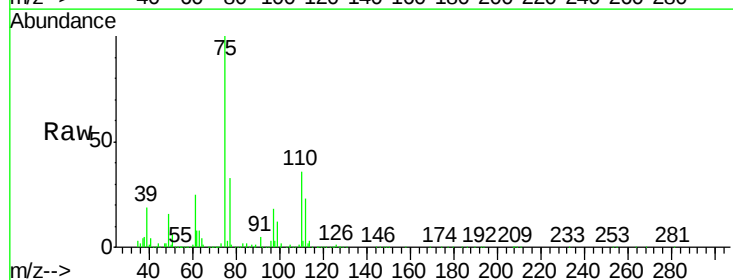
Acq: 17 Sep 2015 16:29

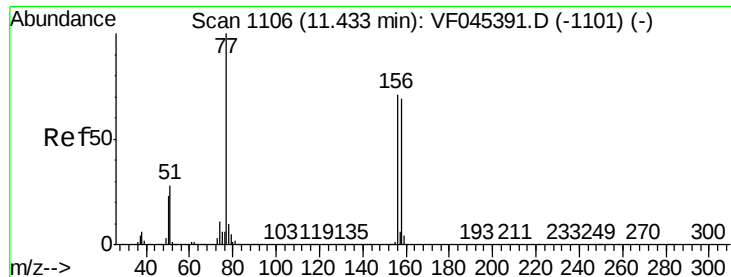
Tgt Ion: 75 Resp: 395686

Ion Ratio Lower Upper

75 100

77 33.1 15.0 45.1

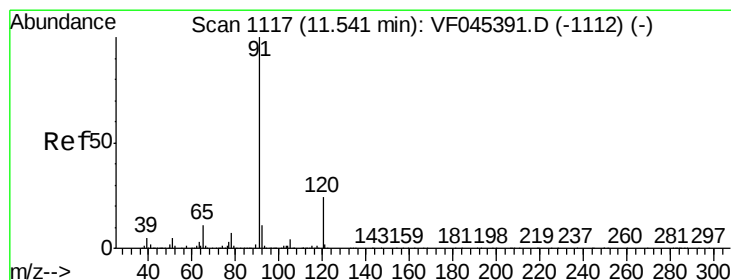
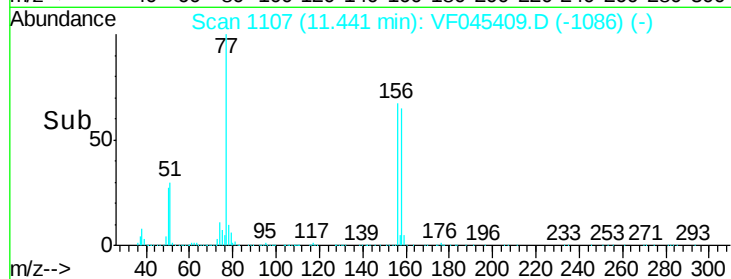
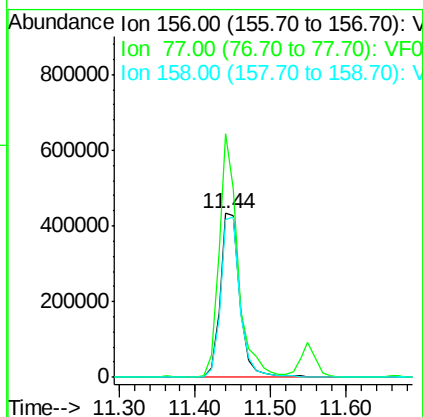
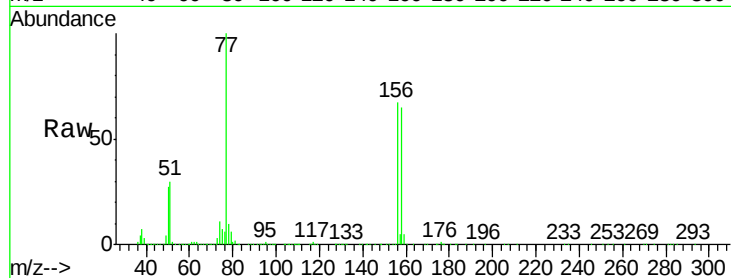




#76
Bromobenzene
Concen: 53.74 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

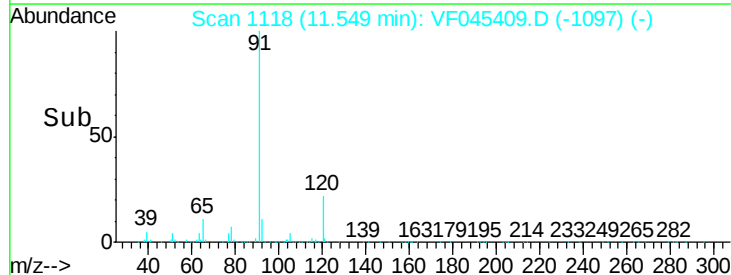
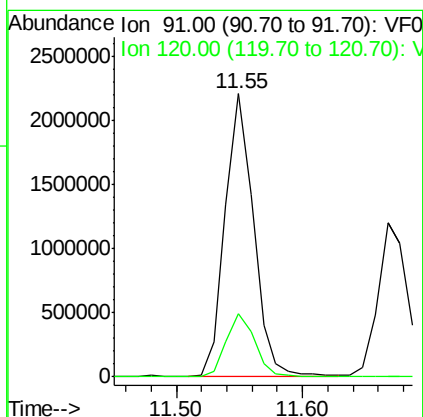
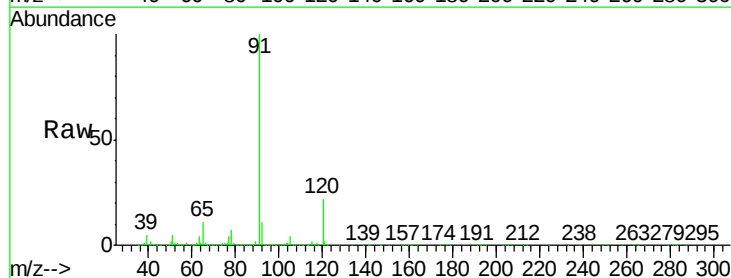
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

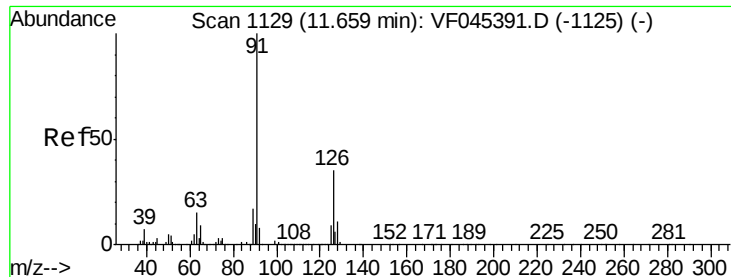
Tot Ion:156 Resp: 781080
Ion Ratio Lower Upper
156 100
77 148.5 74.8 224.3
158 96.4 49.5 148.7



#77
n-propylbenzene
Concen: 54.52 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion: 91 Resp: 3468381
Ion Ratio Lower Upper
91 100
120 22.4 11.6 34.7





#78

2-Chlorotoluene

Concen: 54.73 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

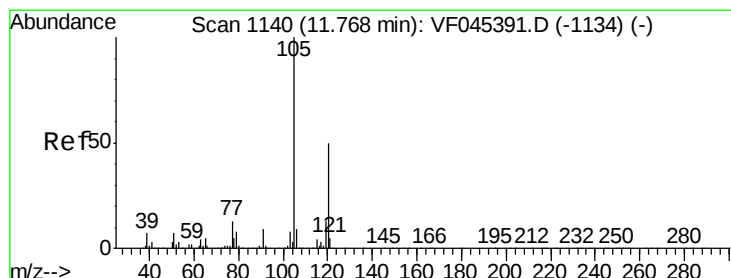
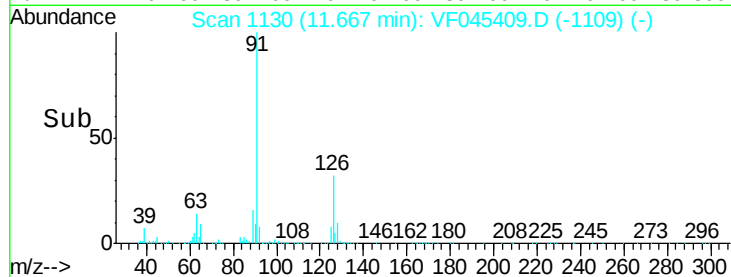
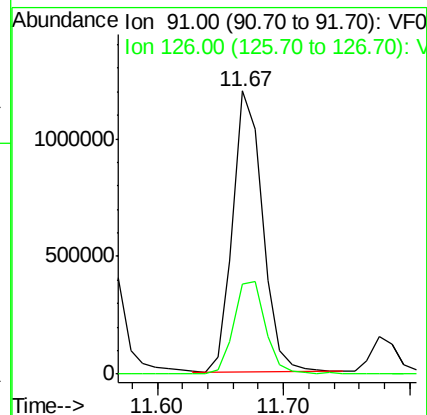
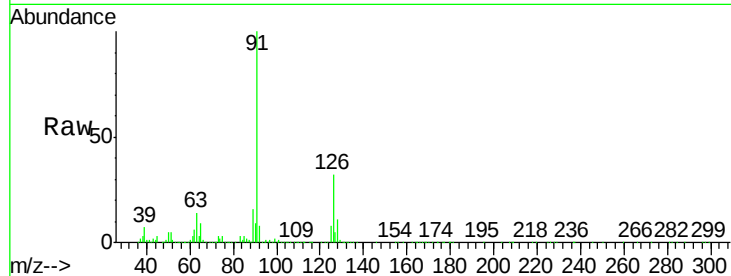
MGP209BR-29-30MS

Tot Ion: 91 Resp: 1947865

Ion Ratio Lower Upper

91 100

126 31.9 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 54.84 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045409.D

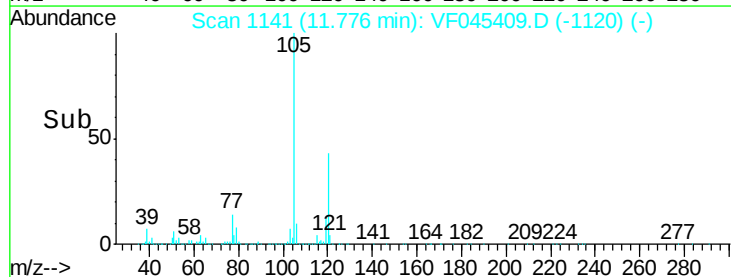
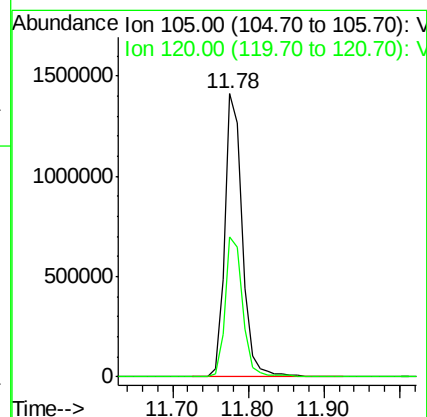
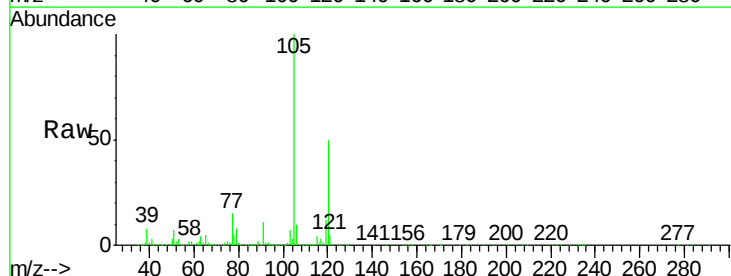
Acq: 17 Sep 2015 16:29

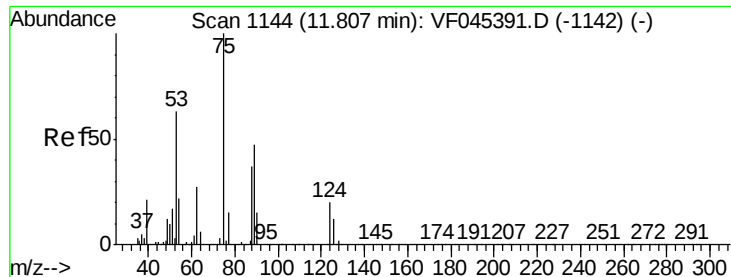
Tgt Ion:105 Resp: 2290059

Ion Ratio Lower Upper

105 100

120 49.7 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 57.92 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

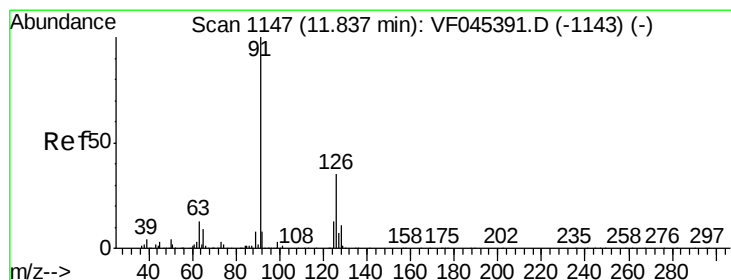
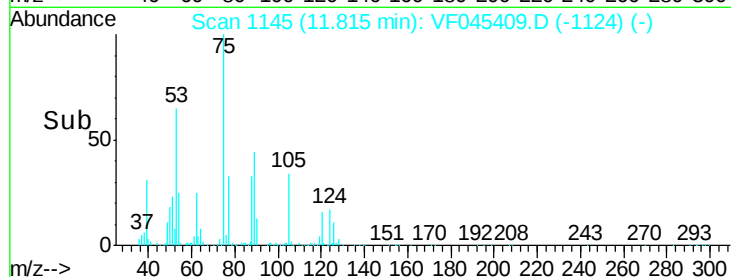
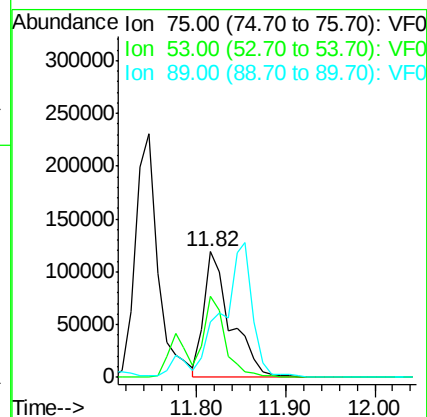
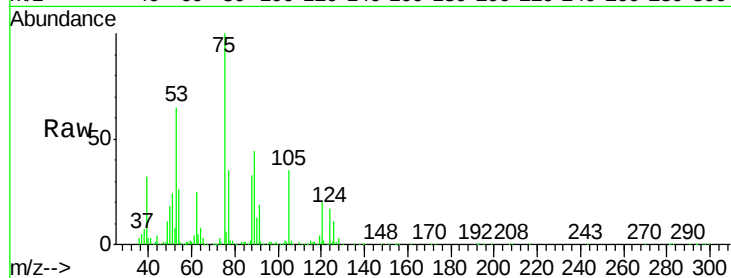
Tot Ion: 75 Resp: 247782

Ion Ratio Lower Upper

75 100

53 64.8 51.0 76.6

89 44.4 38.6 57.8



#81

4-Chlorotoluene

Concen: 53.36 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.02 min

Lab File: VF045409.D

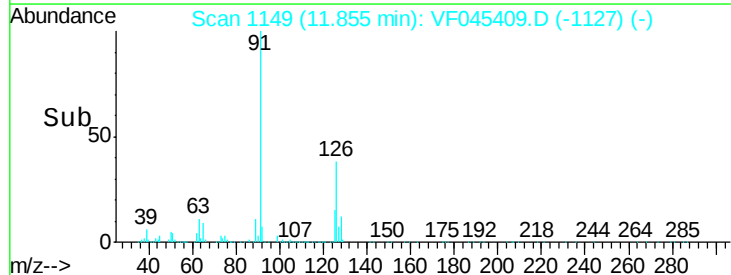
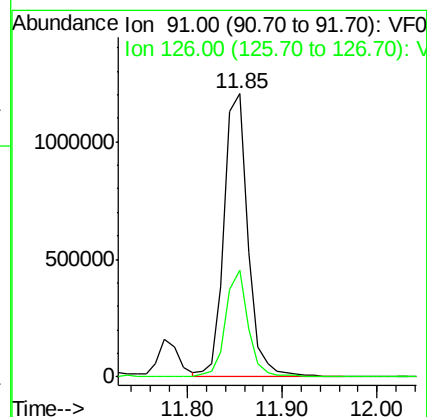
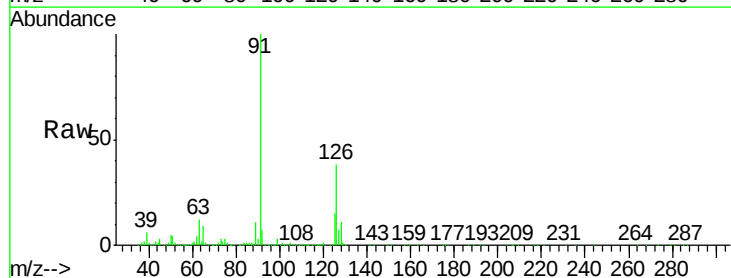
Acq: 17 Sep 2015 16:29

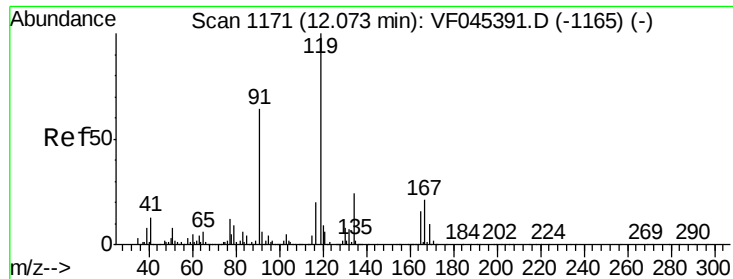
Tgt Ion: 91 Resp: 2098862

Ion Ratio Lower Upper

91 100

126 37.6 15.8 47.4

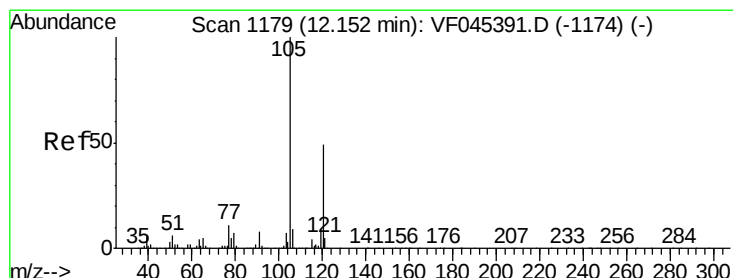
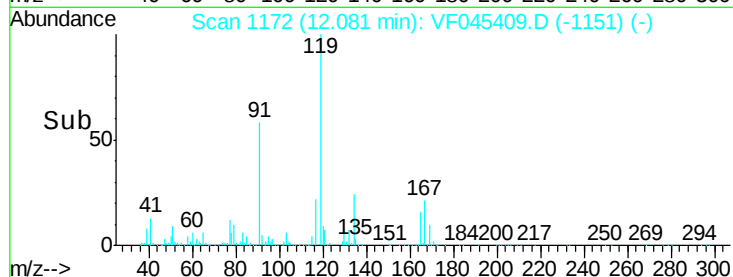
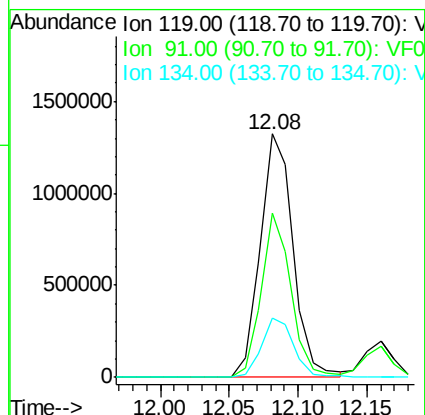
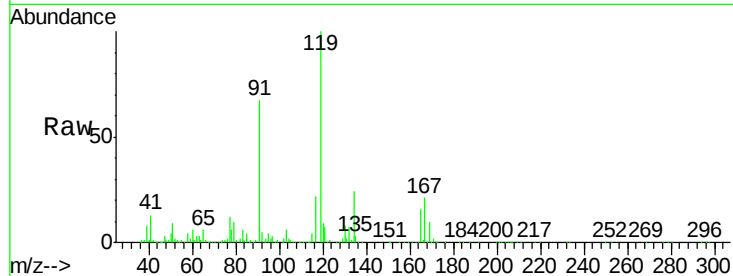




#82
 tert-Butylbenzene
 Concen: 53.38 ug/l
 RT: 12.08 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

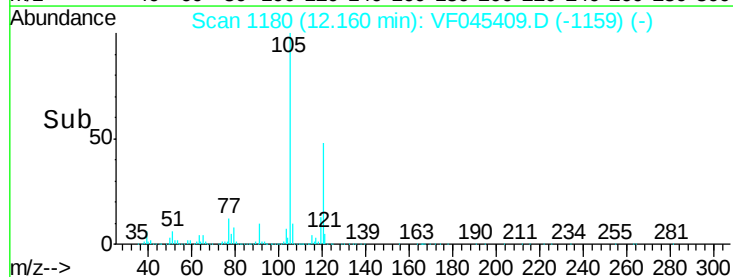
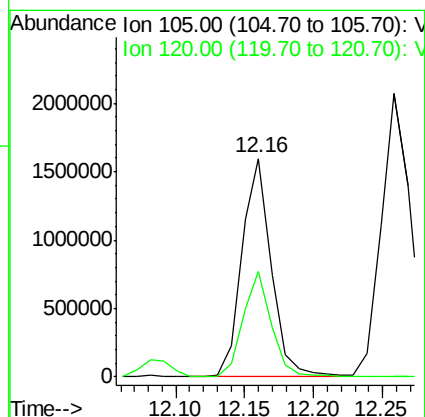
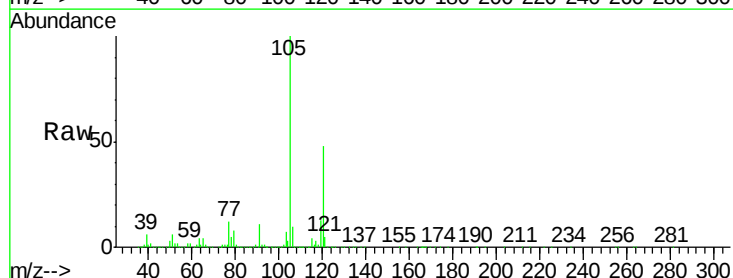
Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

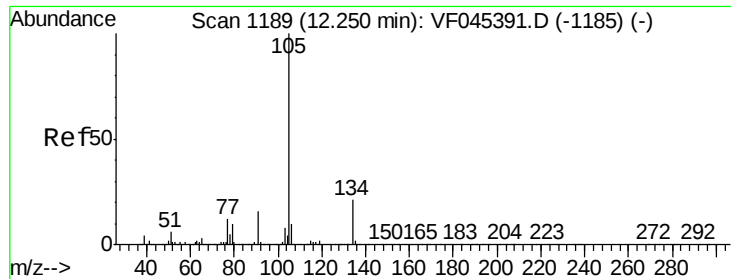
Tot Ion:119 Resp: 2204955
 Ion Ratio Lower Upper
 119 100
 91 67.4 31.1 93.2
 134 24.3 12.2 36.6



#83
 1,2,4-Trimethylbenzene
 Concen: 55.35 ug/l
 RT: 12.16 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion:105 Resp: 2370424
 Ion Ratio Lower Upper
 105 100
 120 48.3 22.9 68.7

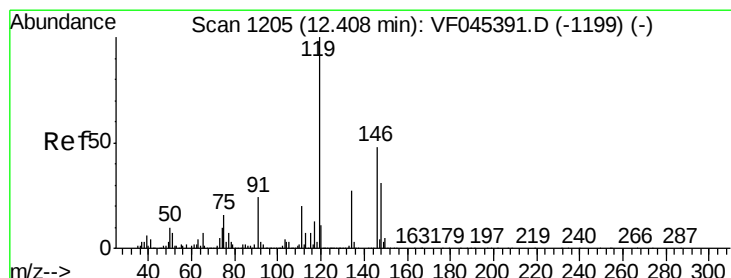
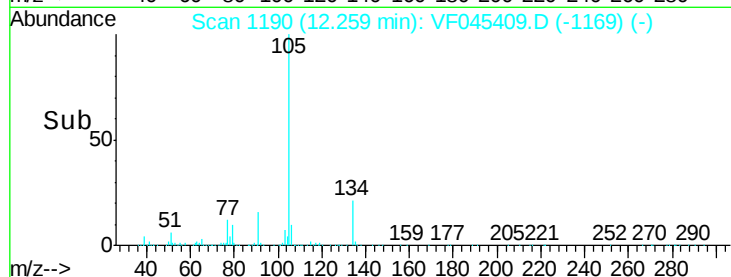
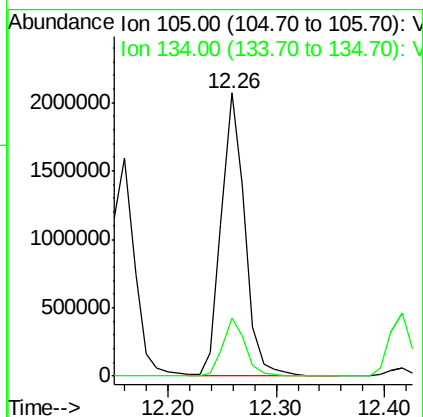
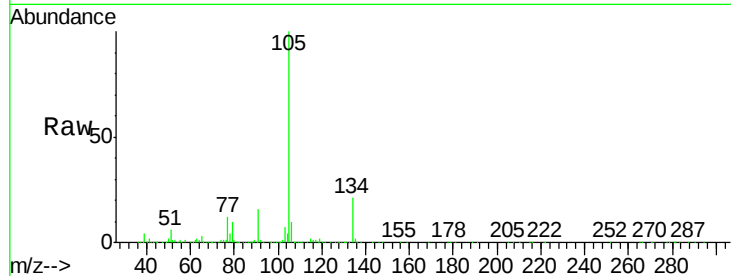




#84
 sec-Butylbenzene
 Concen: 54.65 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

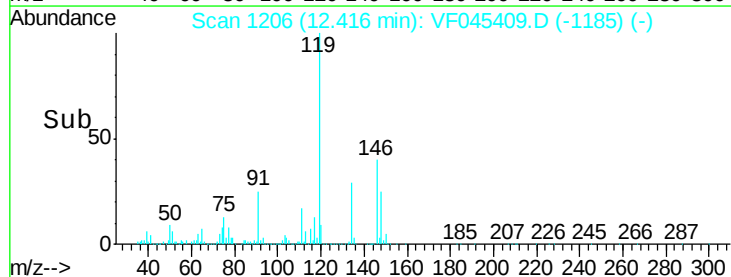
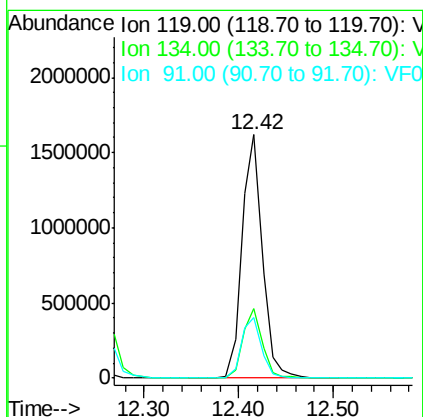
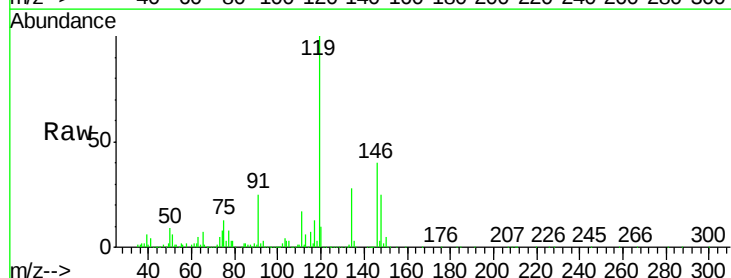
Instrument :
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 ClientSampleId :
 MGP209BR-29-30MS

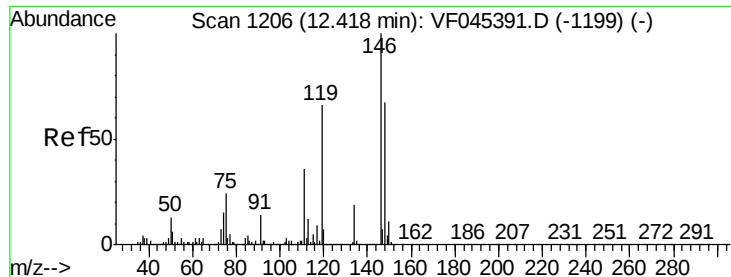
Tot Ion:105 Resp: 3137624
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 53.59 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion:119 Resp: 2395757
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.0 38.9
 91 25.0 12.2 36.6

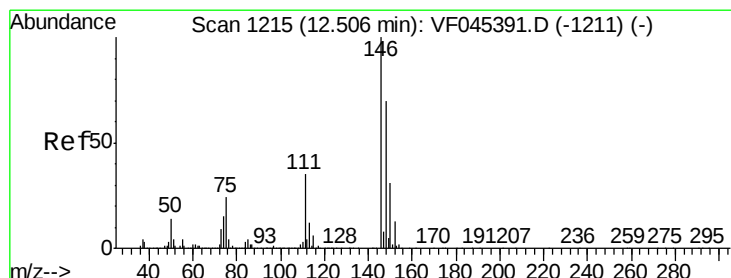
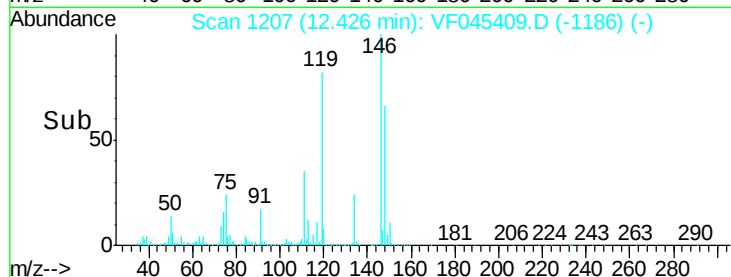
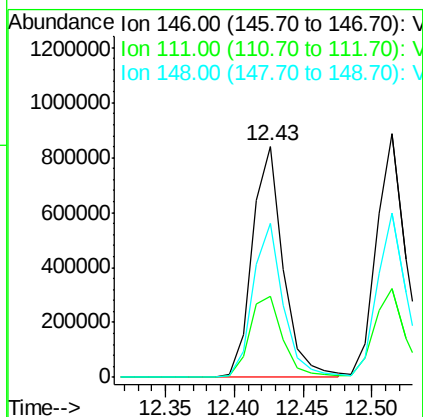
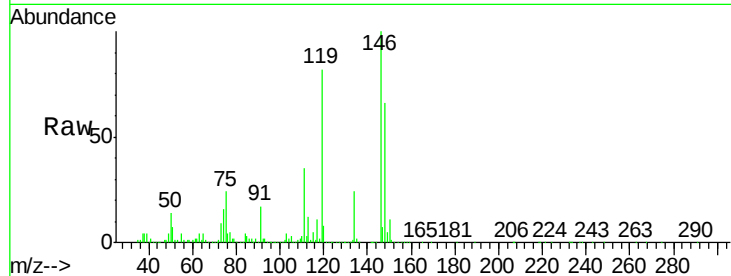




#86
 1,3-Dichlorobenzene
 Concen: 53.56 ug/l
 RT: 12.43 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

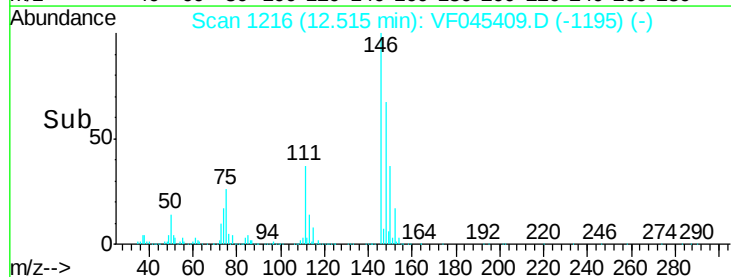
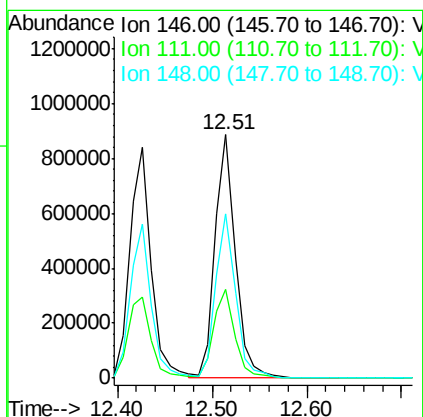
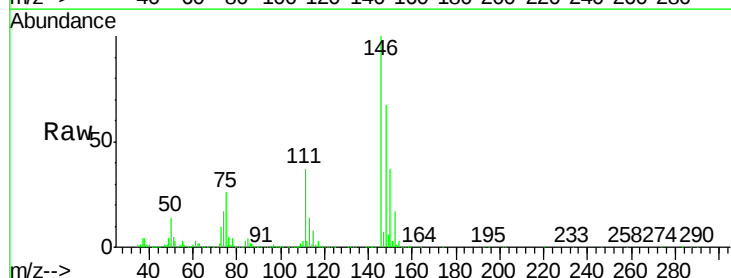
Instrument :
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 ClientSampleId :
 MGP209BR-29-30MS

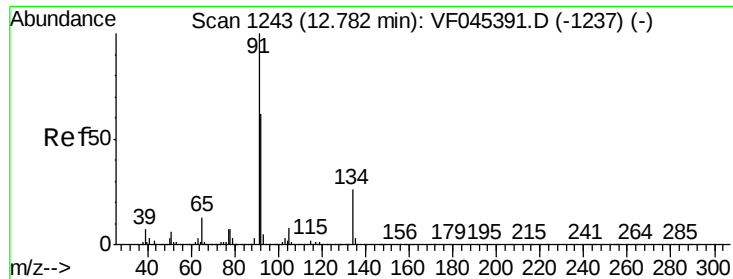
Tot Ion:146 Resp: 1323439
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.9 59.7
 148 66.3 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 54.14 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion:146 Resp: 1335574
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.3 52.0
 148 67.2 32.4 97.0

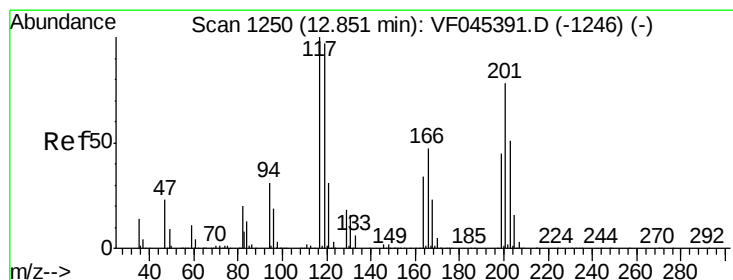
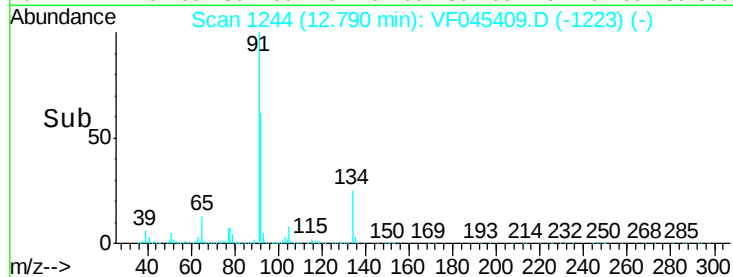
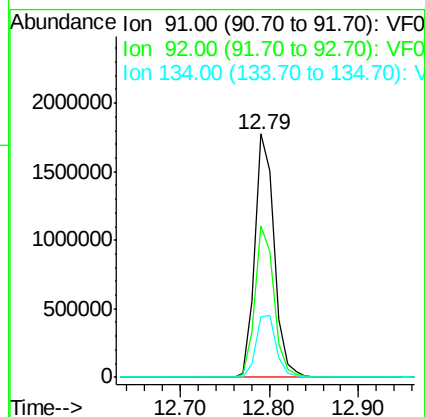
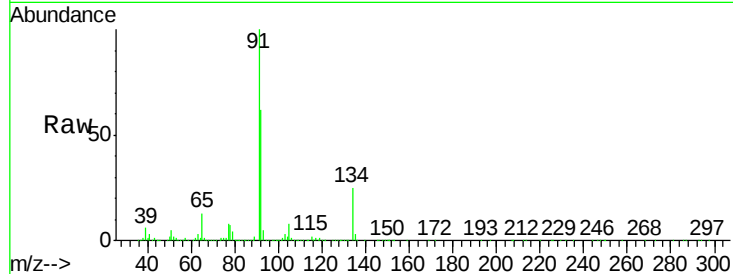




#88
n-Butylbenzene
Concen: 58.56 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

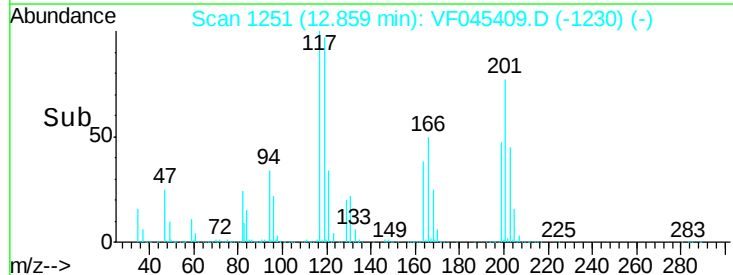
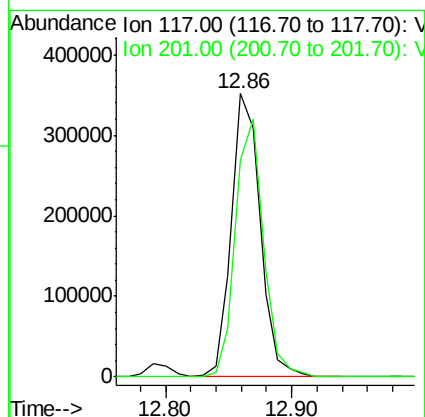
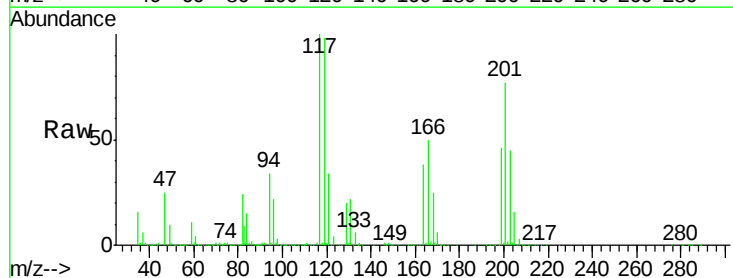
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

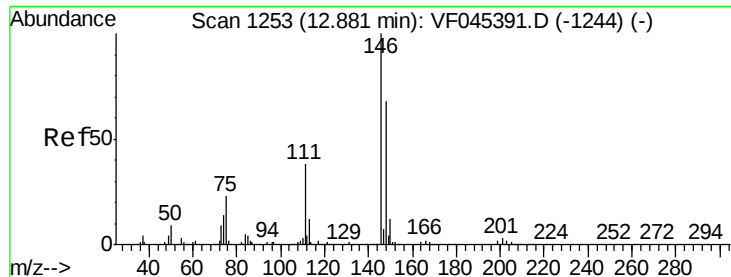
Tot Ion: 91 Resp: 2631815
Ion Ratio Lower Upper
91 100
92 62.4 30.1 90.5
134 24.9 13.8 41.4



#89
Hexachloroethane
Concen: 52.41 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion: 117 Resp: 554614
Ion Ratio Lower Upper
117 100
201 76.5 42.0 126.1

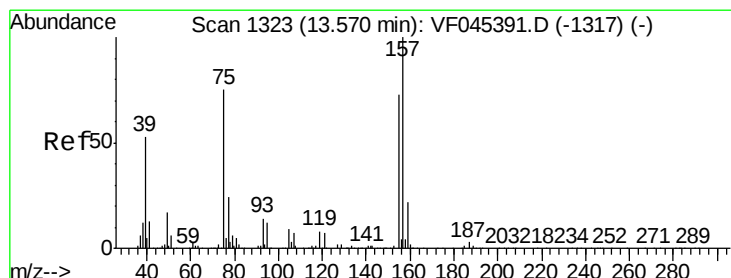
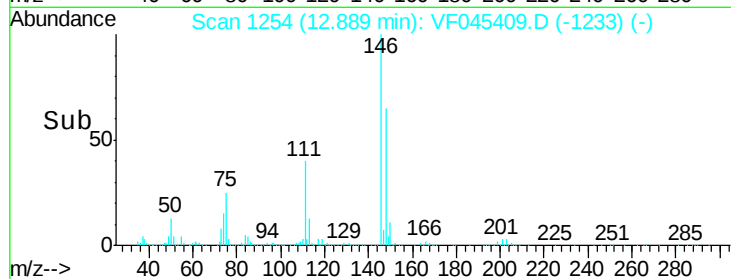
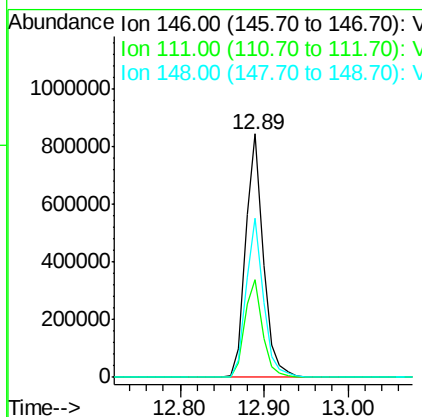
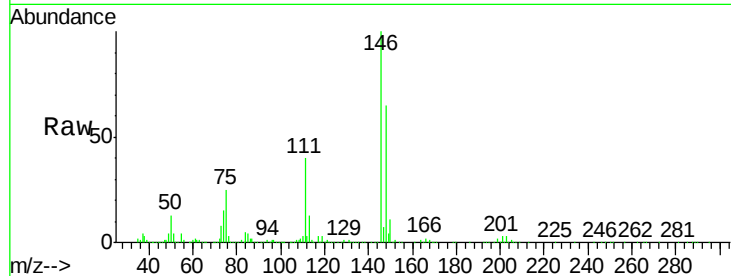




#90
 1,2-Dichlorobenzene
 Concen: 54.20 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

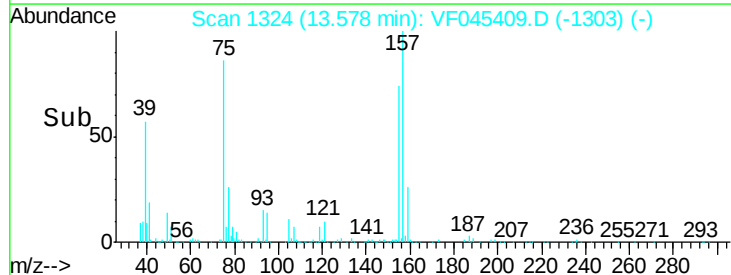
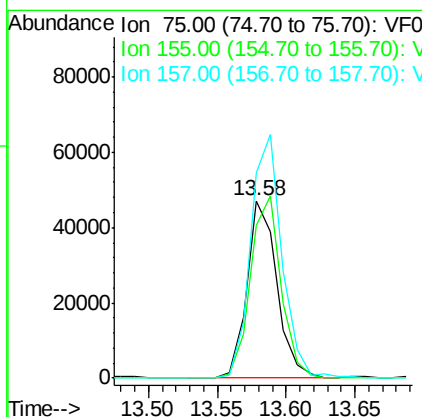
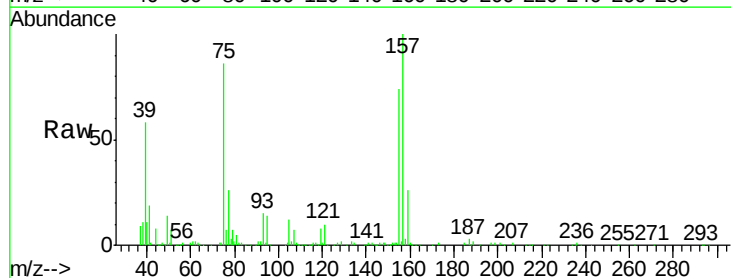
Instrument :
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 ClientSampleId :
 MGP209BR-29-30MS

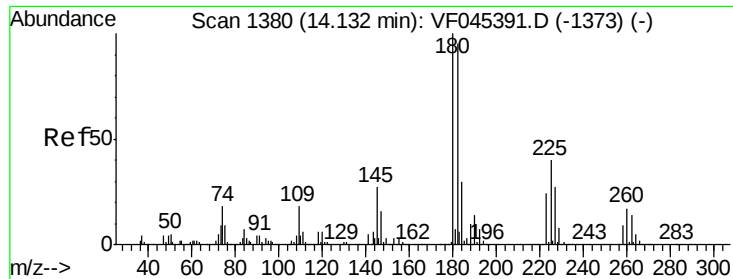
Tot Ion:146 Resp: 1232004
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.4 64.3
 148 65.4 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 46.52 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion: 75 Resp: 71733
 Ion Ratio Lower Upper
 75 100
 155 86.0 49.2 147.6
 157 116.1 66.8 200.4

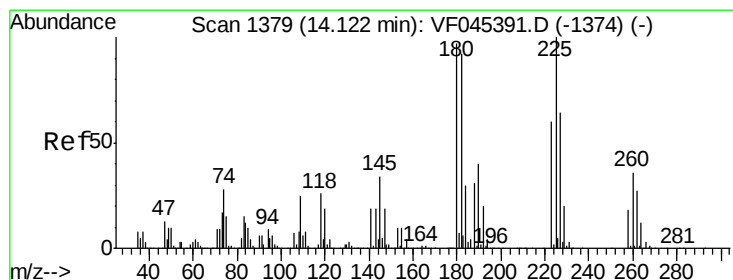
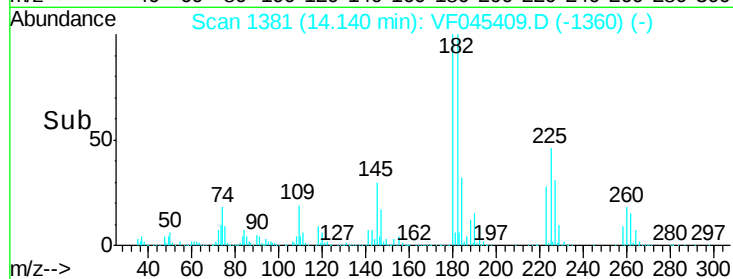
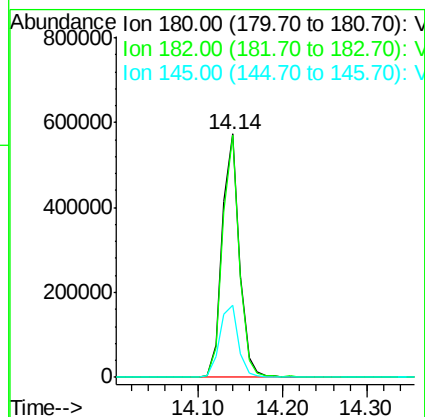
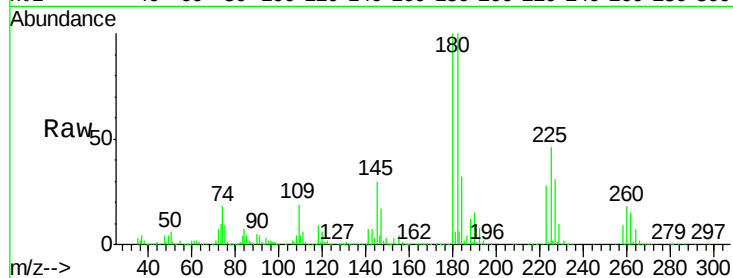




#92
 1,2,4-Trichlorobenzene
 Concen: 62.08 ug/l
 RT: 14.14 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

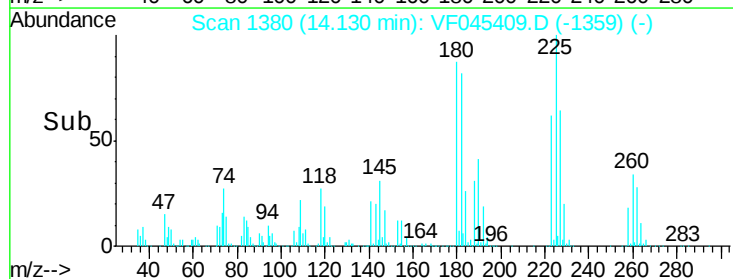
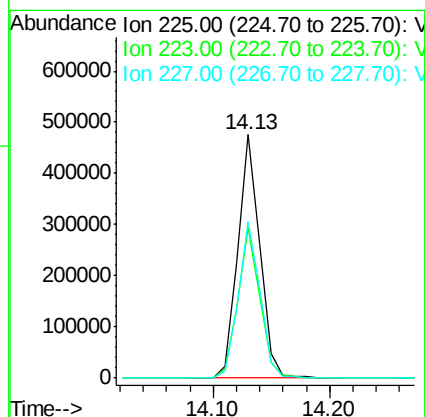
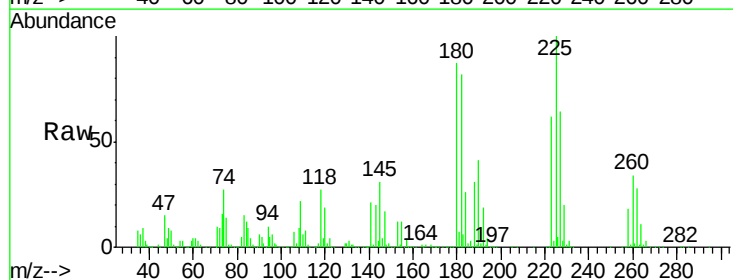
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 ClientSampleId :
 MGP209BR-29-30MS

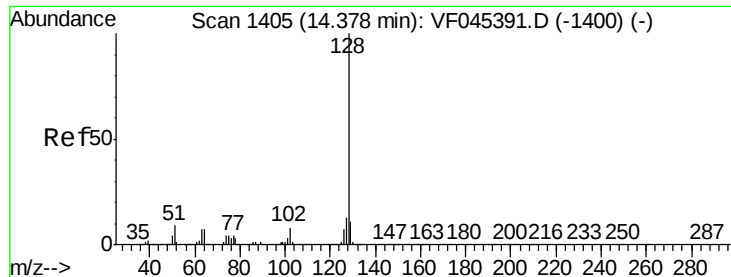
Tot Ion:180 Resp: 816458
 Ion Ratio Lower Upper
 180 100
 182 99.8 49.4 148.0
 145 29.6 16.7 50.1



#93
 Hexachlorobutadiene
 Concen: 62.16 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion:225 Resp: 621001
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.9 95.5
 227 64.4 32.9 98.7





#94

Naphthalene

Concen: 50.76 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

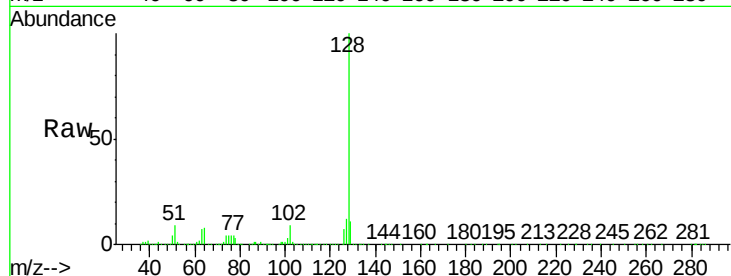
Tot Ion:128 Resp: 1261292

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

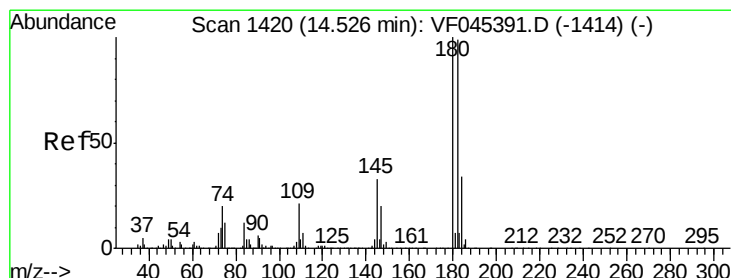
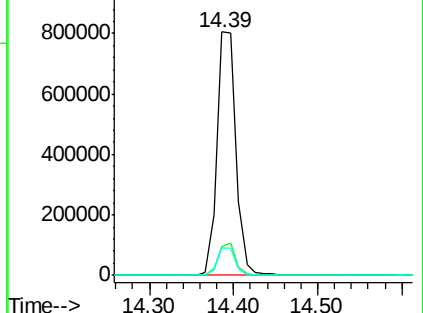
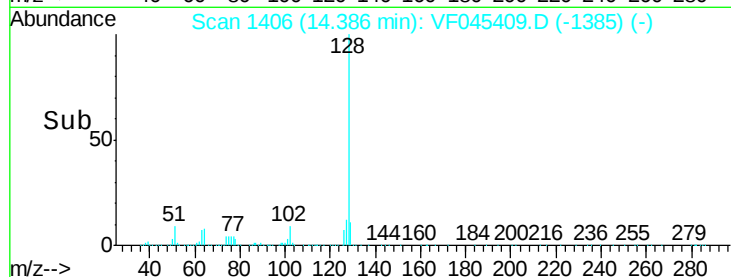
129 11.4 8.8 13.2



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: 61.42 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

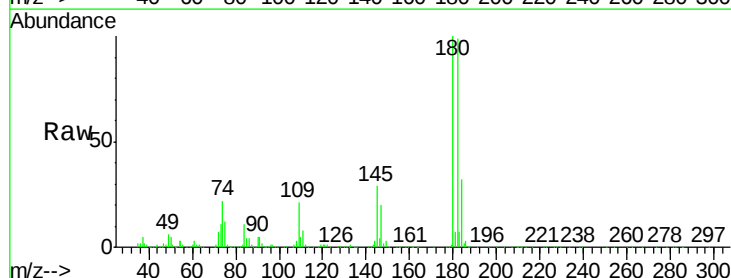
Tgt Ion:180 Resp: 663664

Ion Ratio Lower Upper

180 100

182 98.6 47.6 142.8

145 29.3 14.5 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

