

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045410.D
 Acq On : 17 Sep 2015 16:58
 Operator : FY/SY
 Sample : G3708-05MSD
 Misc : 14.05g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Quant Time: Sep 18 01:19:54 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	1050719	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1508032	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1482923	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	815462	50.00	ug/l	0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.79	65	528126	46.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.62%	
34) Dibromofluoromethane	4.05	113	585740	50.14	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.28%	
49) Toluene-d8	7.51	98	1885250	54.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.56%	
61) 4-Bromofluorobenzene	11.36	95	801349	48.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.94	85	406764	45.46	ug/l	96
3) Chloromethane	1.03	50	357061	46.61	ug/l	90
4) Vinyl Chloride	1.09	62	298253	45.42	ug/l	96
5) Bromomethane	1.26	94	192003	47.09	ug/l	93
6) Chloroethane	1.34	64	139346	53.25	ug/l	99
7) Trichlorofluoromethane	1.40	101	291974	21.67	ug/l	99
8) Diethyl Ether	1.60	74	131913	46.84	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.78	101	380556	49.08	ug/l	95
10) Methyl Iodide	1.81	142	788669	49.74	ug/l	99
11) Tert butyl alcohol	2.51	59	20124	158.72	ug/l	99
12) 1,1-Dichloroethene	1.72	96	325228	50.49	ug/l	94
13) Acrolein	1.96	56	119478	227.41	ug/l	88
14) Allyl chloride	2.06	41	510681	51.10	ug/l	97
15) Acrylonitrile	2.89	53	256278	211.50	ug/l	97
16) Acetone	2.19	43	547824	213.86	ug/l	96
17) Carbon Disulfide	1.74	76	1082990	49.34	ug/l	97
18) Methyl Acetate	2.30	43	444478	45.24	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	232054	45.78	ug/l	99
20) Methylene Chloride	2.14	84	346650	49.79	ug/l	95
21) trans-1,2-Dichloroethene	2.27	96	363489	50.34	ug/l	92
22) Diisopropyl ether	2.75	45	1056637	49.60	ug/l	95
23) Vinyl Acetate	3.13	43	1422436	228.75	ug/l	97
24) 1,1-Dichloroethane	2.83	63	701614	48.66	ug/l	100
25) 2-Butanone	4.27	43	718441	200.50	ug/l	94
26) 2,2-Dichloropropane	3.55	77	614795	45.78	ug/l	93
27) cis-1,2-Dichloroethene	3.42	96	559408	50.16	ug/l	94
28) Bromochloromethane	3.66	49	255285	45.08	ug/l	97
29) Chloroform	3.79	83	1011601	49.91	ug/l	99
30) Cyclohexane	3.65	56	623342	47.91	ug/l	93
31) 1,1,1-Trichloroethane	4.04	97	775539	46.19	ug/l	96
35) 1,1-Dichloropropene	4.23	75	709048	49.56	ug/l	94
36) Ethyl Acetate	4.05	43	301542	41.66	ug/l	# 36
37) Carbon Tetrachloride	3.93	117	752417	49.93	ug/l	99
38) Methylcyclohexane	5.41	83	798709	51.94	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	1698718	50.79	ug/l	100
40) Methacrylonitrile	4.68	41	145033	42.33	ug/l	97
41) 1,2-Dichloroethane	4.89	62	622703	46.15	ug/l	95
42) Isopropyl Acetate	6.92	43	462373	48.48	ug/l #	97
43) Trichloroethene	5.45	130	567589	49.69	ug/l	97
44) 1,2-Dichloropropane	6.19	63	485686	49.84	ug/l	100
45) Dibromomethane	6.03	93	339801	49.00	ug/l	99
46) Bromodichloromethane	6.34	83	740937	47.72	ug/l	96
47) Methyl methacrylate	6.67	41	279400	48.26	ug/l	88
48) 1,4-Dioxane	6.66	88	41044	591.88	ug/l #	87
50) 4-Methyl-2-Pentanone	8.21	43	1604681	236.61	ug/l	100
51) Toluene	7.58	92	1333870	51.75	ug/l	99
52) t-1,3-Dichloropropene	8.23	75	682759	48.92	ug/l	96
53) cis-1,3-Dichloropropene	7.25	75	840325	50.98	ug/l	99
54) 1,1,2-Trichloroethane	8.43	97	423184	48.55	ug/l	98
55) Ethyl methacrylate	8.57	69	552589	48.73	ug/l	97
56) 1,3-Dichloropropane	8.80	76	683734	48.09	ug/l	98
58) 2-Hexanone	9.44	43	1258617	233.16	ug/l	93
59) Dibromochloromethane	8.65	129	577172	46.72	ug/l	98
60) 1,2-Dibromoethane	8.93	107	476690	48.19	ug/l	97
63) Tetrachloroethene	8.10	164	603120	51.19	ug/l	96
64) Chlorobenzene	9.74	112	1530619	49.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.87	131	542274	47.68	ug/l	94
66) Ethyl Benzene	9.84	91	2596895	48.17	ug/l	99
67) m/p-Xylenes	10.08	106	1861891	96.36	ug/l	97
68) o-Xylene	10.66	106	983498	49.04	ug/l	95
69) Styrene	10.74	104	1583849	49.48	ug/l	99
70) Bromoform	10.71	173	389156	46.11	ug/l	96
72) Isopropylbenzene	11.08	105	2703694	49.48	ug/l	99
73) N-amyl acetate	11.33	43	734081	48.47	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	11.64	83	581695	46.97	ug/l	98
75) 1,2,3-Trichloropropane	11.74	75	398854	46.84	ug/l	96
76) Bromobenzene	11.45	156	762904	49.24	ug/l	90
77) n-propylbenzene	11.55	91	3414513	50.35	ug/l	97
78) 2-Chlorotoluene	11.67	91	1963834	51.76	ug/l	94
79) 1,3,5-Trimethylbenzene	11.78	105	2252583	50.59	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.82	75	264624	58.02	ug/l	97
81) 4-Chlorotoluene	11.85	91	2102607	50.14	ug/l	90
82) tert-Butylbenzene	12.09	119	2170789	49.30	ug/l	98
83) 1,2,4-Trimethylbenzene	12.16	105	2283974	50.03	ug/l	97
84) sec-Butylbenzene	12.26	105	3022288	49.37	ug/l	96
85) p-Isopropyltoluene	12.41	119	2359550	49.51	ug/l	99
86) 1,3-Dichlorobenzene	12.42	146	1300956	49.39	ug/l	98
87) 1,4-Dichlorobenzene	12.51	146	1276303	48.53	ug/l	98
88) n-Butylbenzene	12.80	91	2535738	52.93	ug/l	98
89) Hexachloroethane	12.87	117	538010	47.69	ug/l	90
90) 1,2-Dichlorobenzene	12.89	146	1230812	50.79	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.59	75	78186	47.56	ug/l	84
92) 1,2,4-Trichlorobenzene	14.14	180	774497	55.24	ug/l	98
93) Hexachlorobutadiene	14.13	225	582318	54.68	ug/l	95

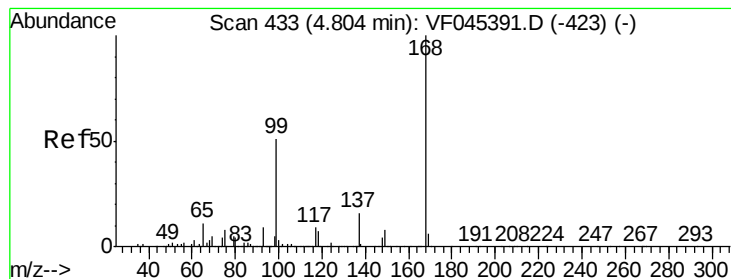
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1308861	49.45	ug/l	99
95) 1,2,3-Trichlorobenzene	14.54	180	676744	58.75	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. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

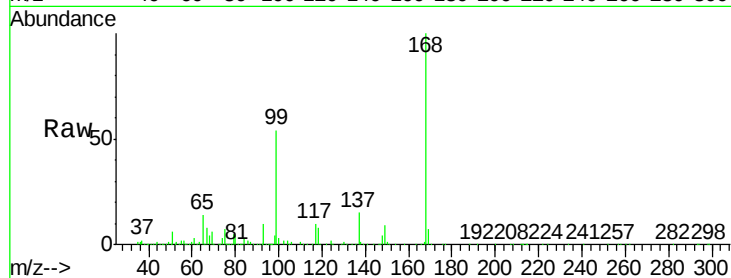
MGP209BR-29-30MSD

Tot Ion:168 Resp: 1050719

Ion Ratio Lower Upper

168 100

99 53.8 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

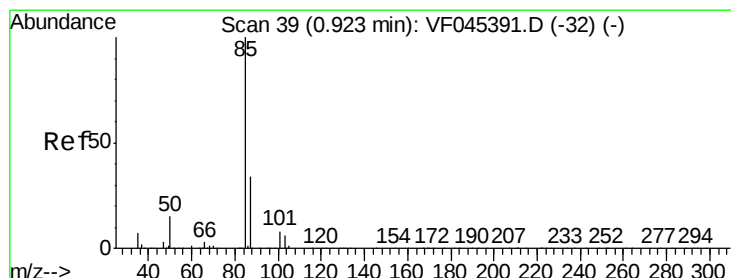
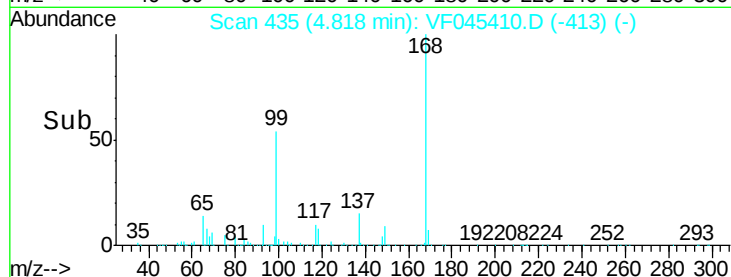
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 45.46 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045410.D

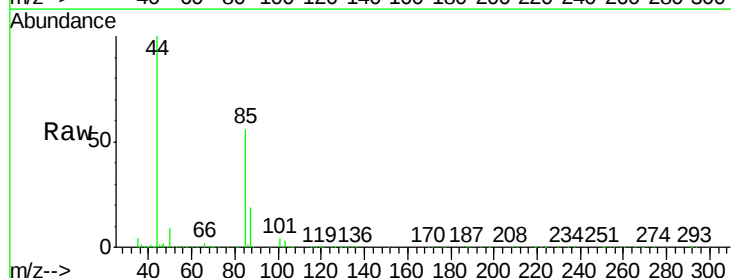
Acq: 17 Sep 2015 16:58

Tgt Ion: 85 Resp: 406764

Ion Ratio Lower Upper

85 100

87 33.5 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

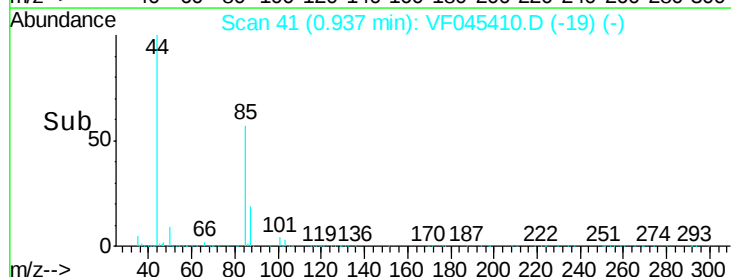
150000

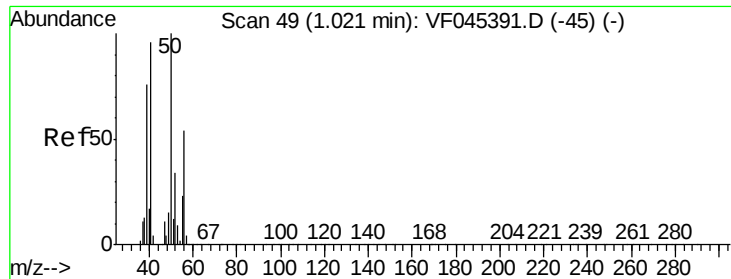
100000

50000

0

Time--> 0.80 0.90 1.00 1.10

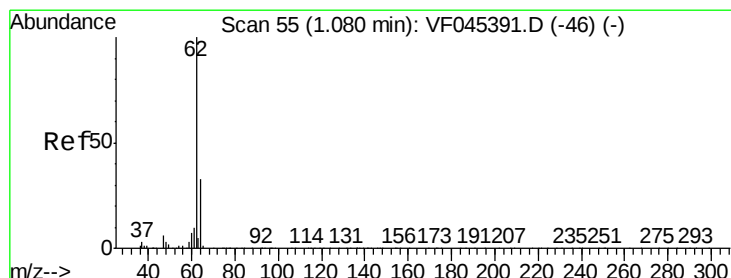
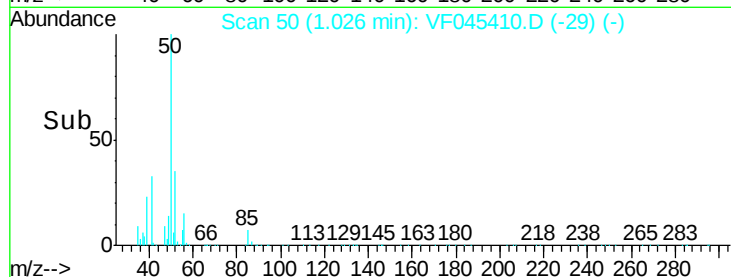
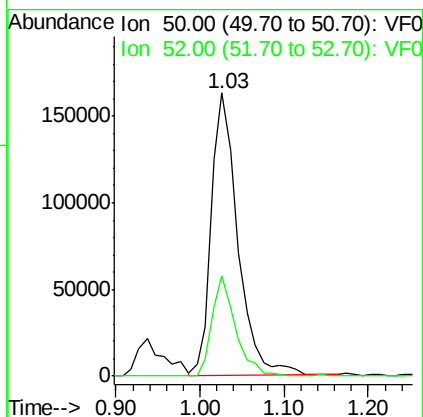
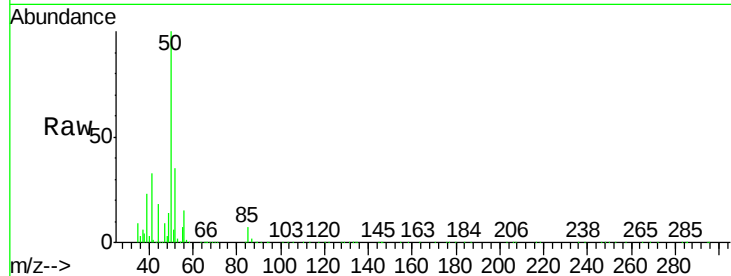




#3
Chloromethane
Concen: 46.61 ug/l
RT: 1.03 min Scan# 50
Delta R.T. 0.00 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

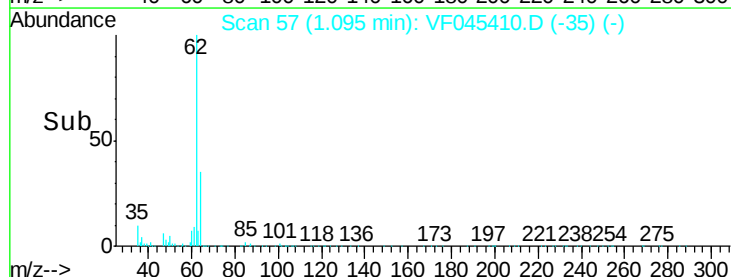
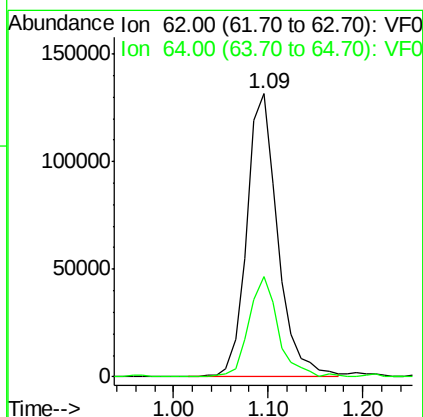
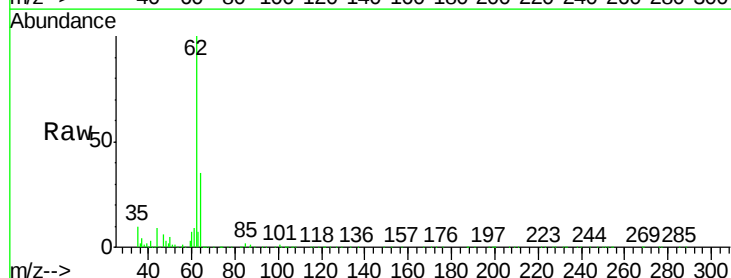
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

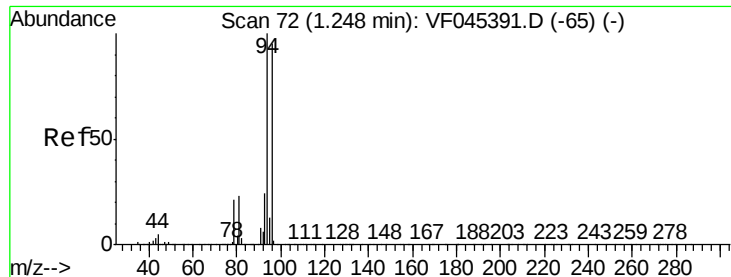
Tot Ion: 50 Resp: 357061
Ion Ratio Lower Upper
50 100
52 35.3 23.8 35.8



#4
Vinyl Chloride
Concen: 45.42 ug/l
RT: 1.09 min Scan# 57
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion: 62 Resp: 298253
Ion Ratio Lower Upper
62 100
64 35.3 26.6 39.8





#5

Bromomethane

Concen: 47.09 ug/l

RT: 1.26 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

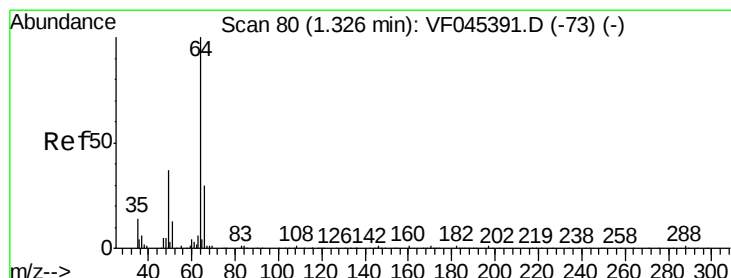
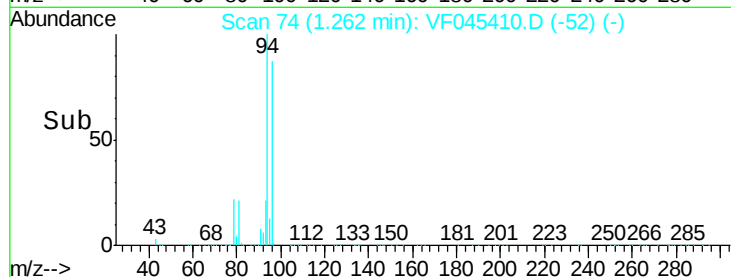
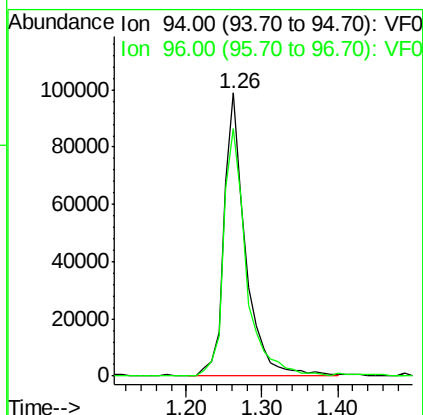
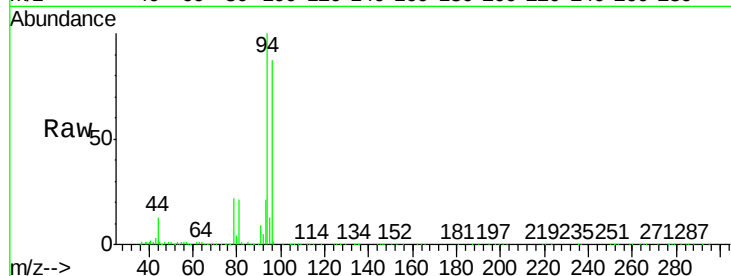
MGP209BR-29-30MSD

Tot Ion: 94 Resp: 192003

Ion Ratio Lower Upper

94 100

96 87.4 75.0 112.4



#6

Chloroethane

Concen: 53.25 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF045410.D

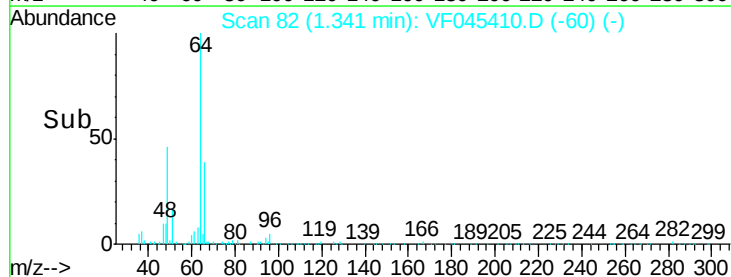
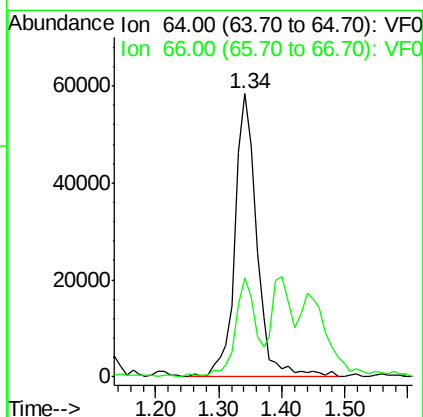
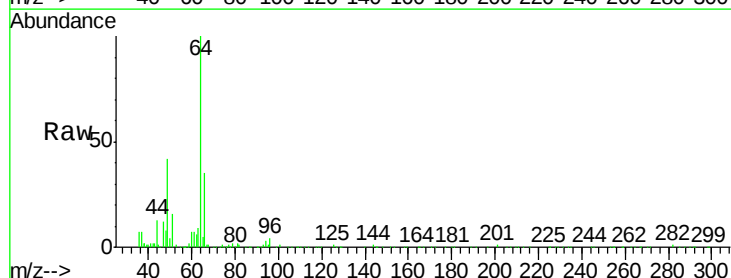
Acq: 17 Sep 2015 16:58

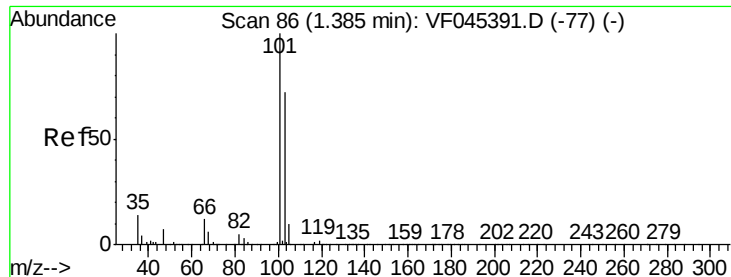
Tgt Ion: 64 Resp: 139346

Ion Ratio Lower Upper

64 100

66 34.9 27.3 40.9





#7

Trichlorofluoromethane

Concen: 21.67 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

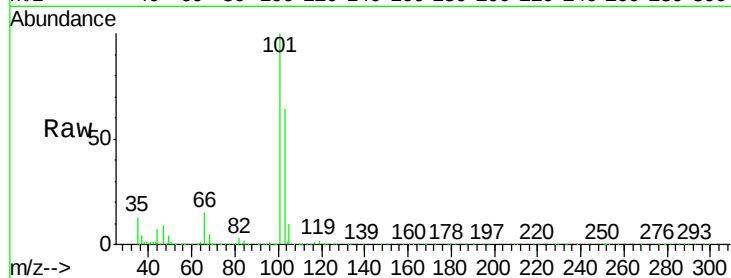
MGP209BR-29-30MSD

Tot Ion:101 Resp: 291974

Ion Ratio Lower Upper

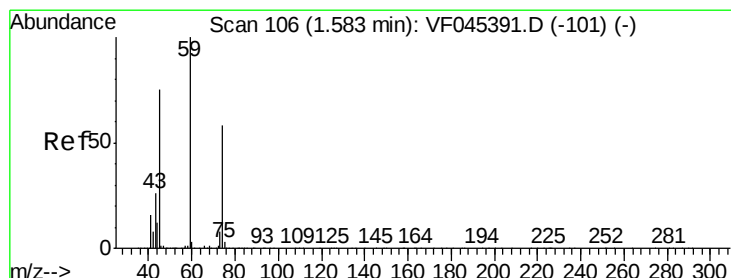
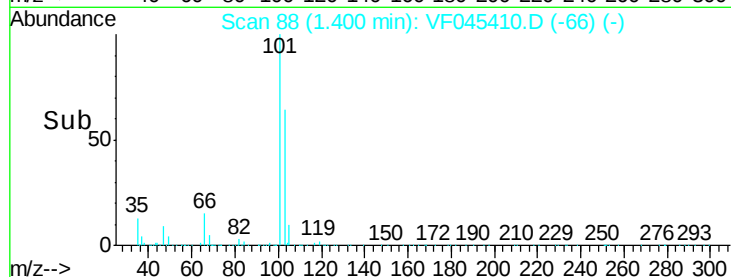
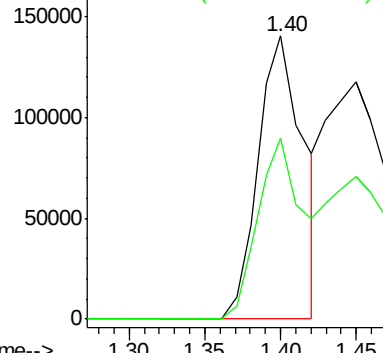
101 100

103 64.0 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: 46.84 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF045410.D

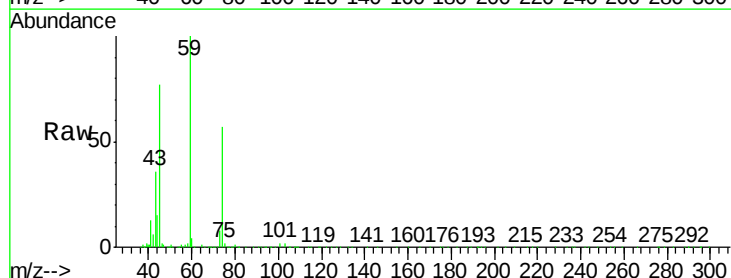
Acq: 17 Sep 2015 16:58

Tgt Ion: 74 Resp: 131913

Ion Ratio Lower Upper

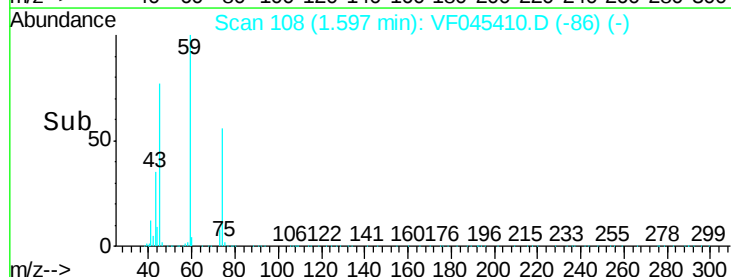
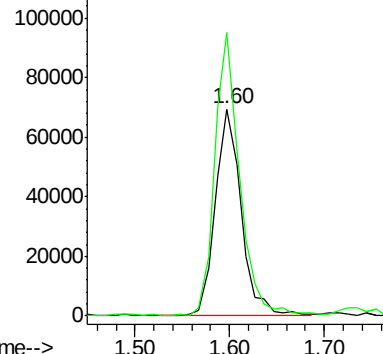
74 100

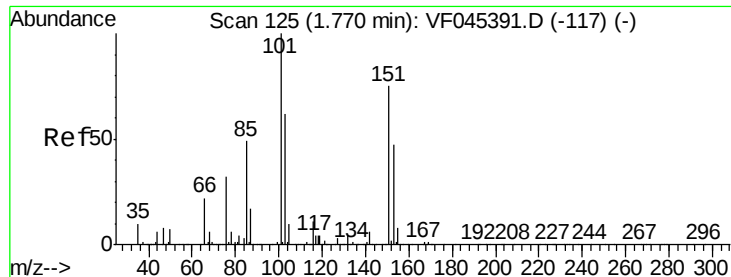
45 136.8 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.08 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

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ClientSampleId :

MGP209BR-29-30MSD

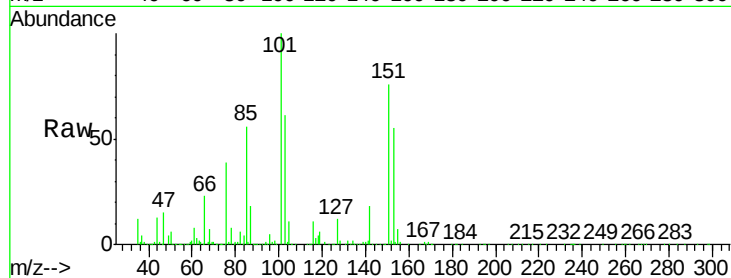
Tot Ion:101 Resp: 380556

Ion Ratio Lower Upper

101 100

85 56.3 40.0 60.0

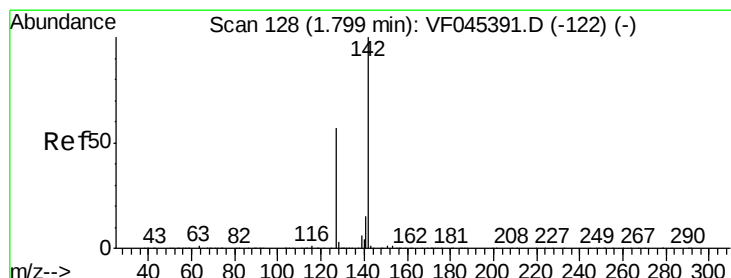
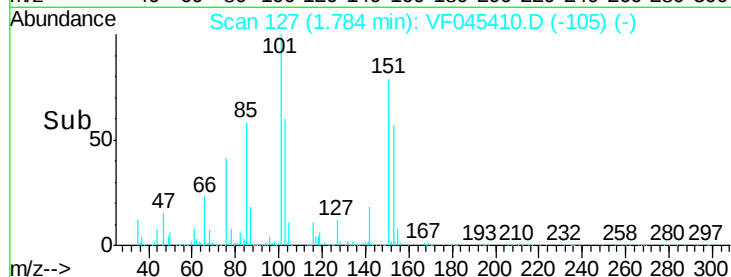
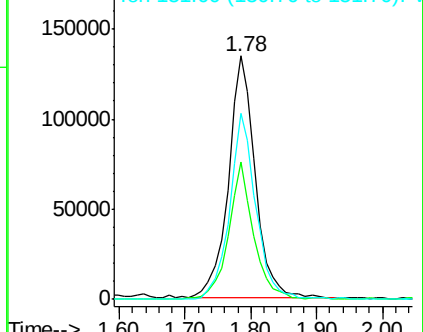
151 76.2 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 49.74 ug/l

RT: 1.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

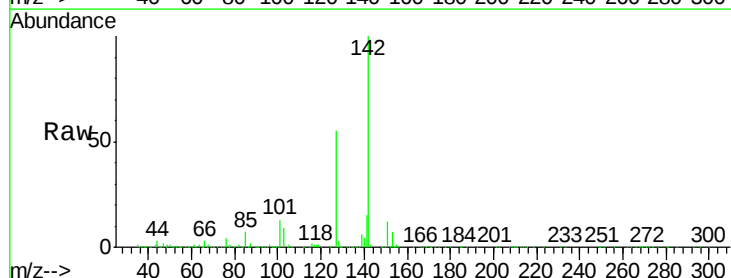
Tgt Ion:142 Resp: 788669

Ion Ratio Lower Upper

142 100

127 54.9 43.3 64.9

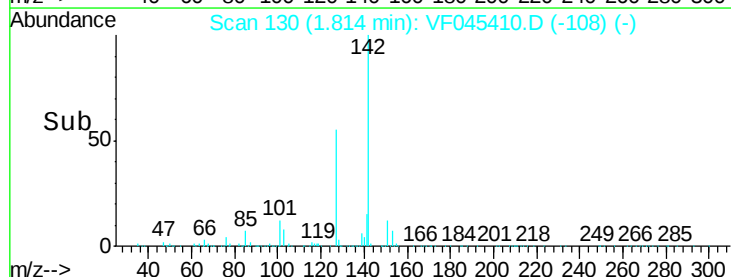
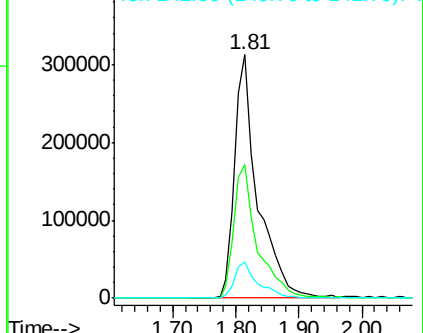
141 15.0 12.1 18.1

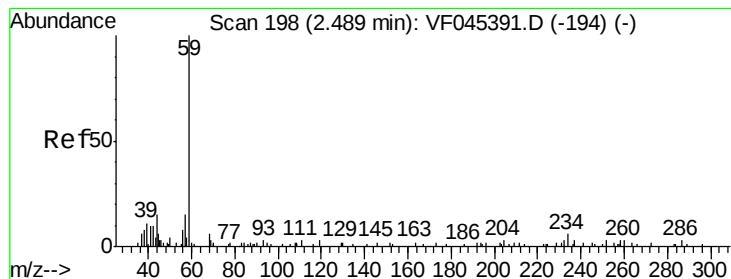


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



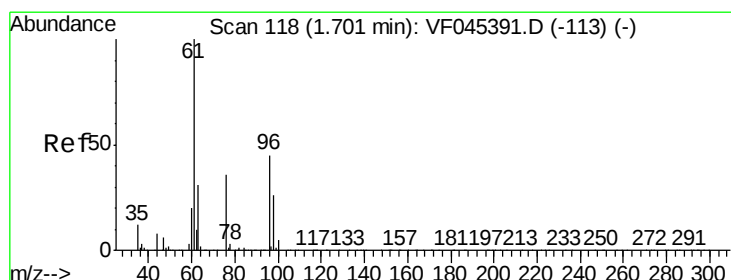
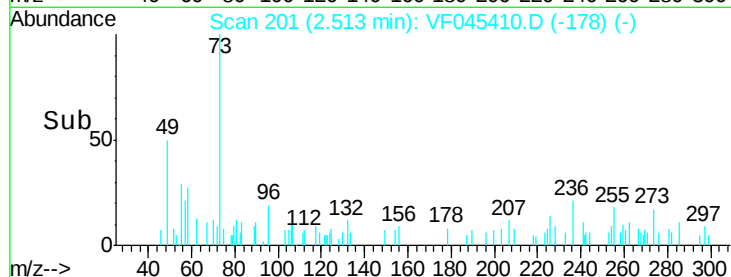
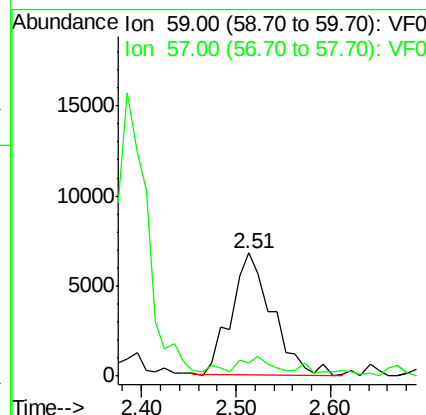
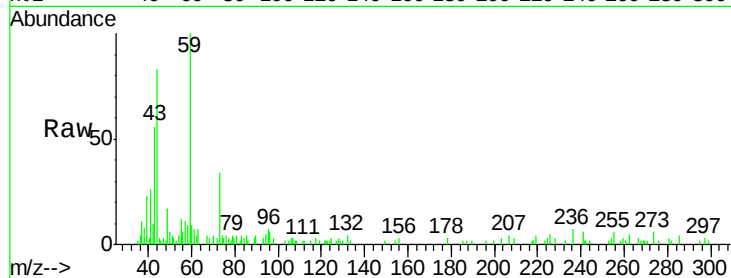


#11

Tert butyl alcohol
Concen: 158.72 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

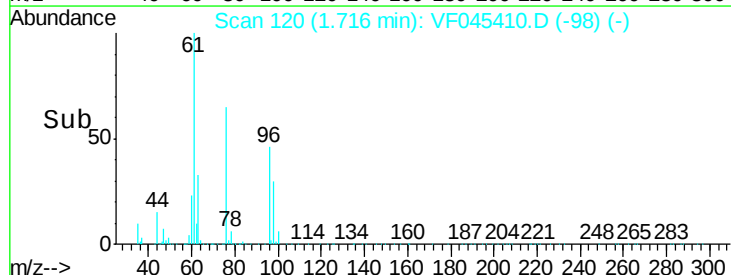
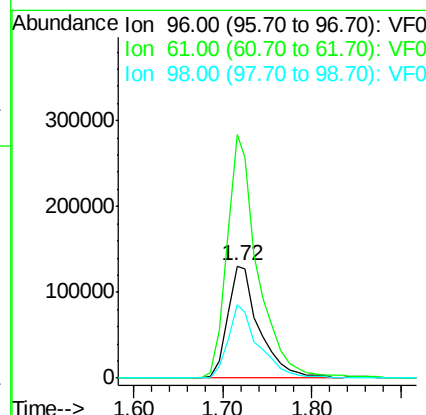
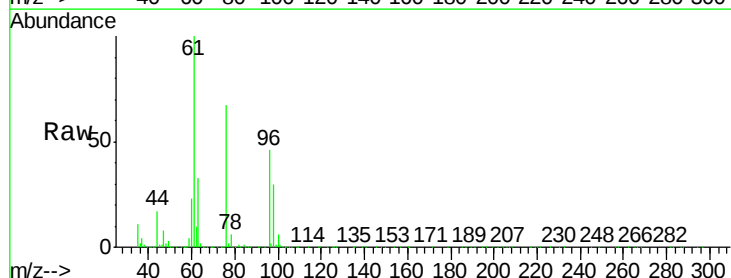
Tot Ion: 59 Resp: 20124
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0

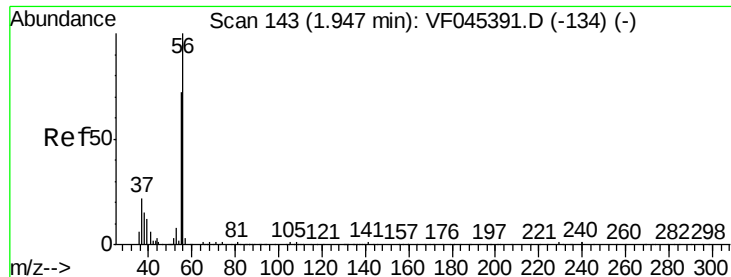


#12

1,1-Dichloroethene
Concen: 50.49 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion: 96 Resp: 325228
Ion Ratio Lower Upper
96 100
61 217.9 165.8 248.8
98 65.5 51.2 76.8

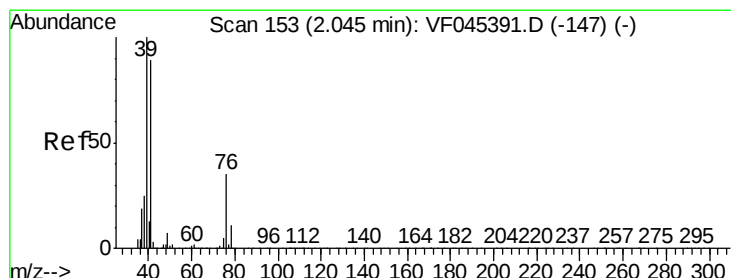
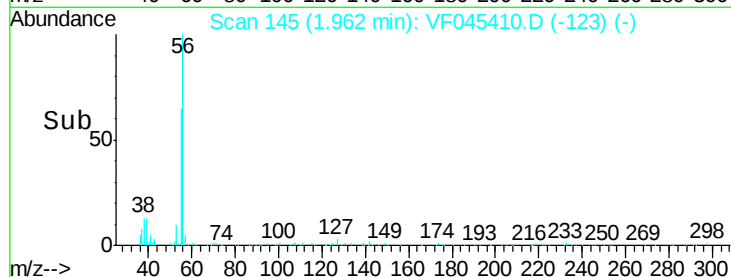
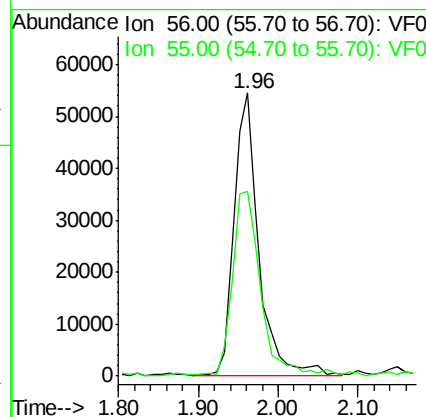
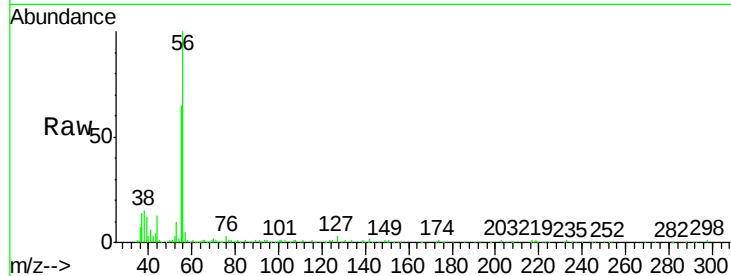




#13
Acrolein
Concen: 227.41 ug/l
RT: 1.96 min Scan# 145
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

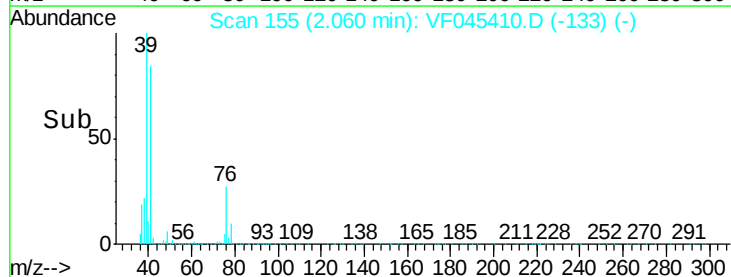
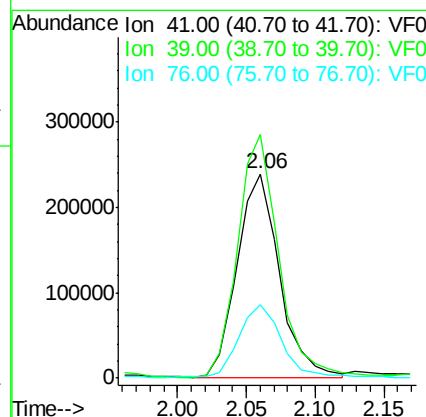
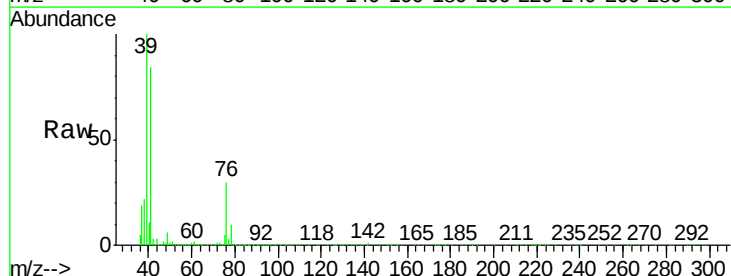
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

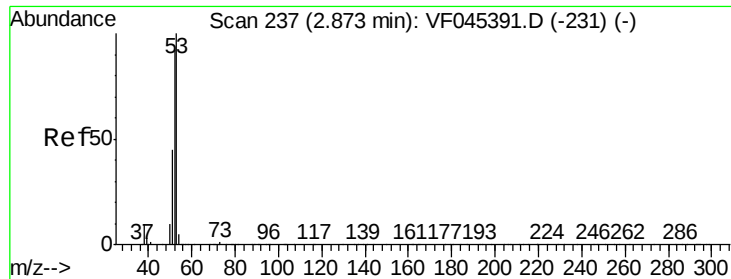
Tot Ion: 56 Resp: 119478
Ion Ratio Lower Upper
56 100
55 65.3 60.5 90.7



#14
Allyl chloride
Concen: 51.10 ug/l
RT: 2.06 min Scan# 155
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion: 41 Resp: 510681
Ion Ratio Lower Upper
41 100
39 119.2 92.8 139.2
76 36.0 27.7 41.5





#15

Acrylonitrile

Concen: 211.50 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

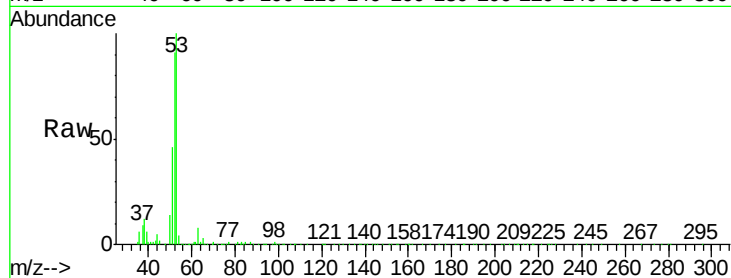
Tot Ion: 53 Resp: 256278

Ion Ratio Lower Upper

53 100

52 91.0 72.7 109.1

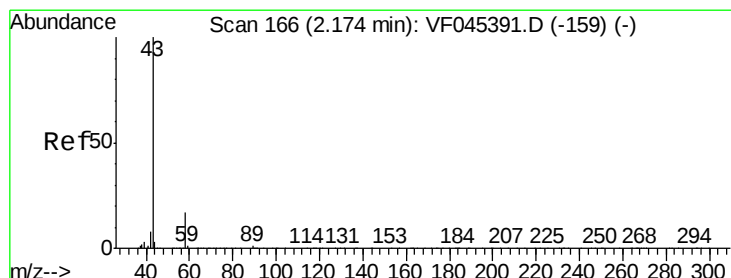
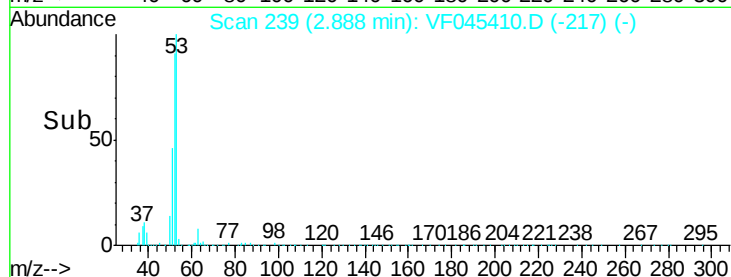
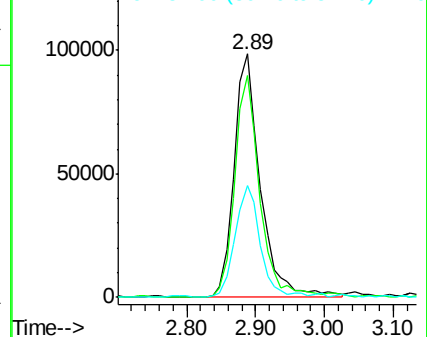
51 46.1 42.2 63.2



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: 213.86 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF045410.D

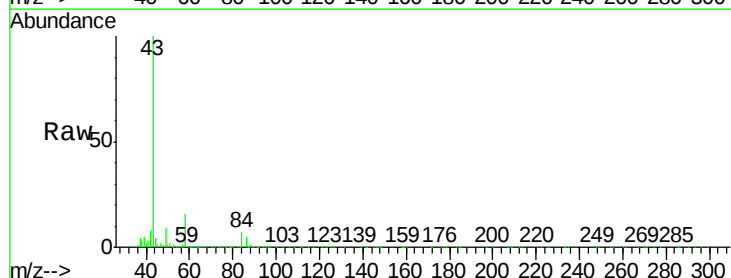
Acq: 17 Sep 2015 16:58

Tgt Ion: 43 Resp: 547824

Ion Ratio Lower Upper

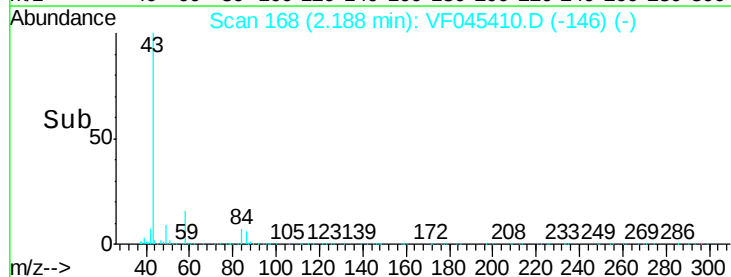
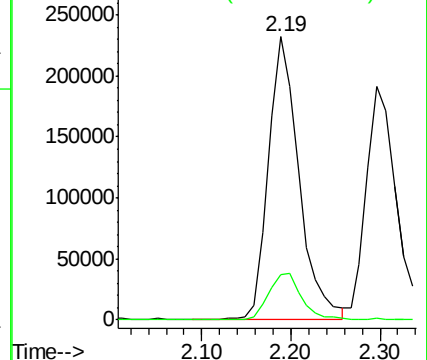
43 100

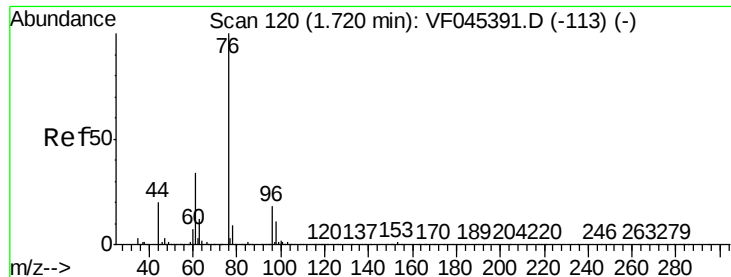
58 15.8 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

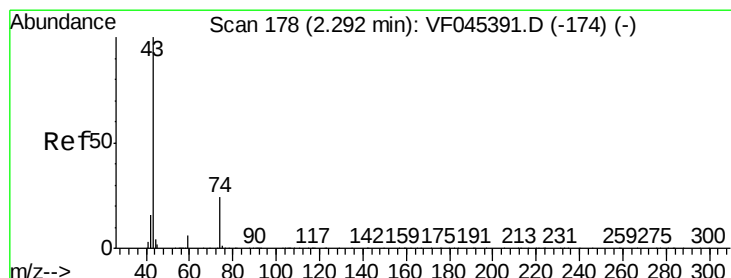
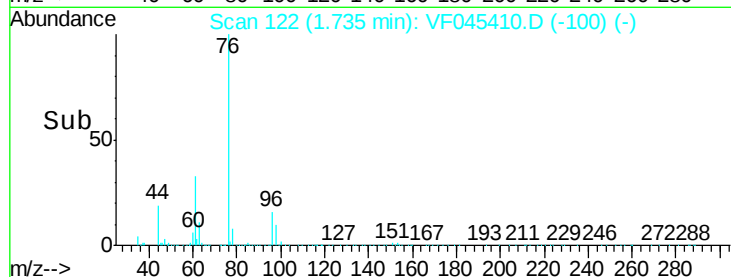
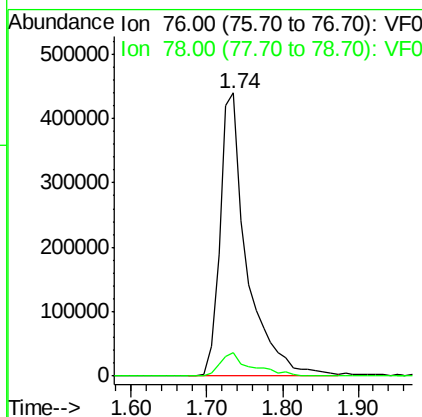
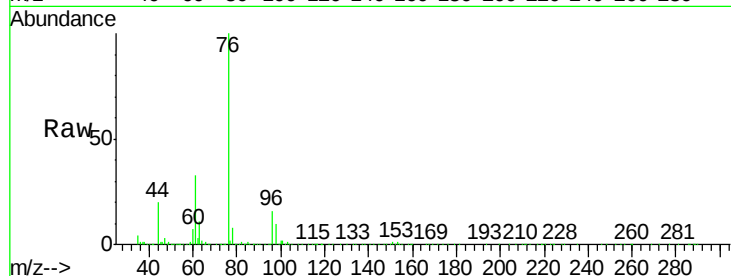




#17
Carbon Disulfide
Concen: 49.34 ug/l
RT: 1.74 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

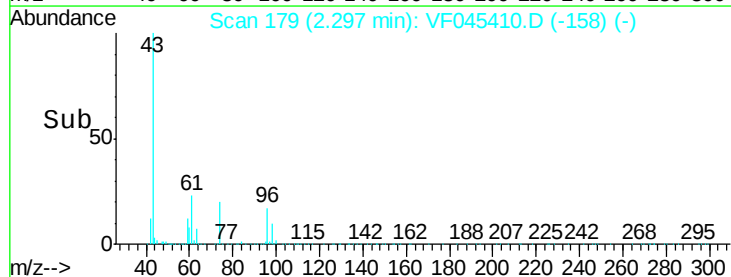
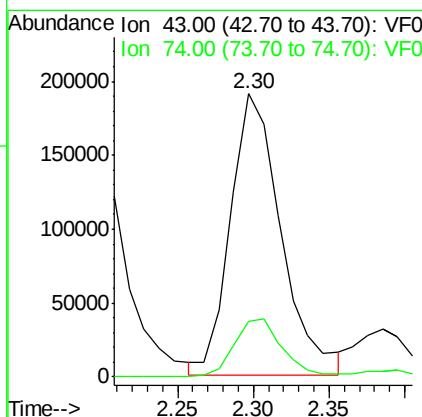
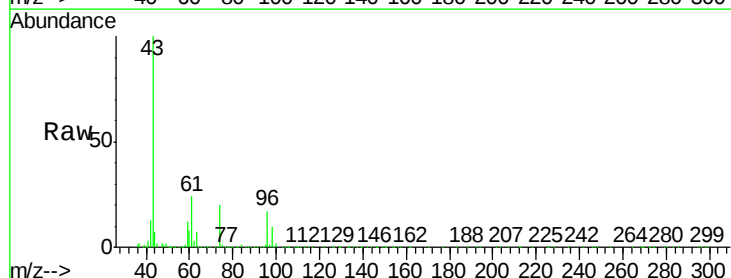
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

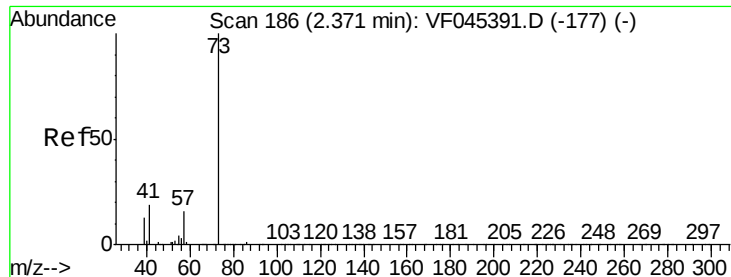
Tot Ion: 76 Resp: 1082990
Ion Ratio Lower Upper
76 100
78 8.3 7.6 11.4



#18
Methyl Acetate
Concen: 45.24 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.00 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion: 43 Resp: 444478
Ion Ratio Lower Upper
43 100
74 19.8 15.1 22.7



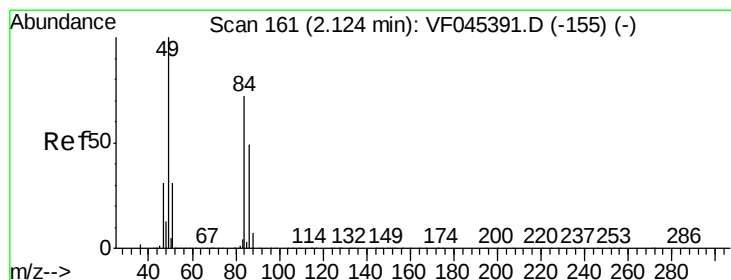
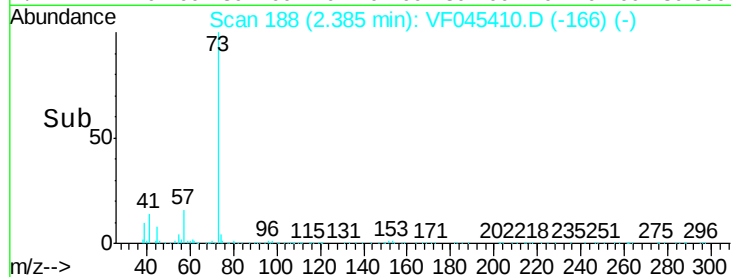
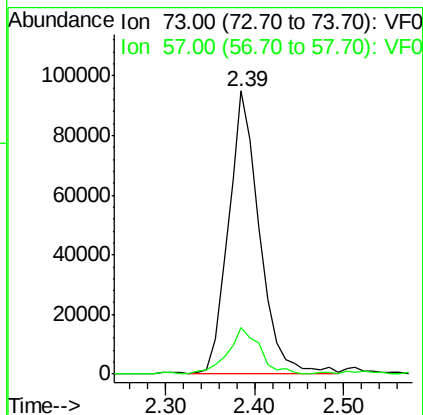
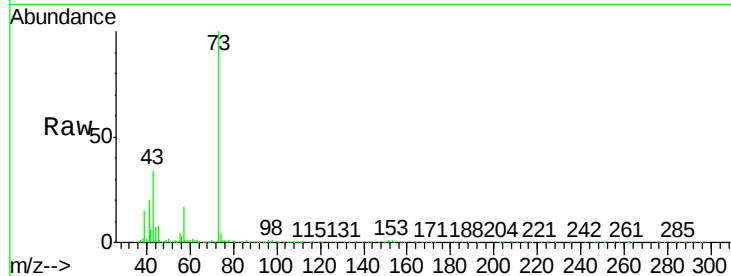


#19

Methyl tert-butyl Ether
 Concen: 45.78 ug/l
 RT: 2.39 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

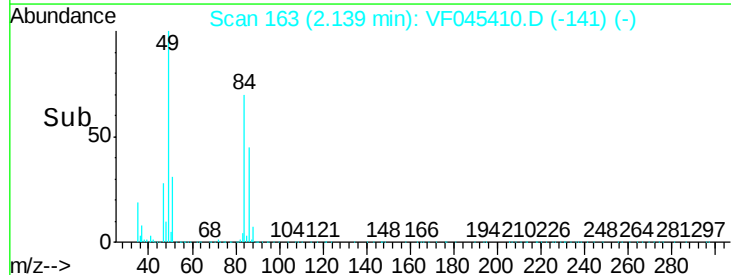
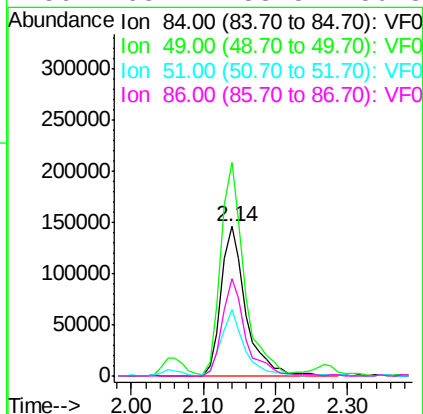
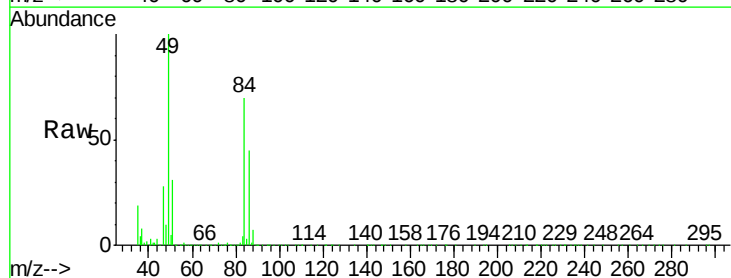
Tot Ion: 73 Resp: 232054
 Ion Ratio Lower Upper
 73 100
 57 16.6 12.9 19.3

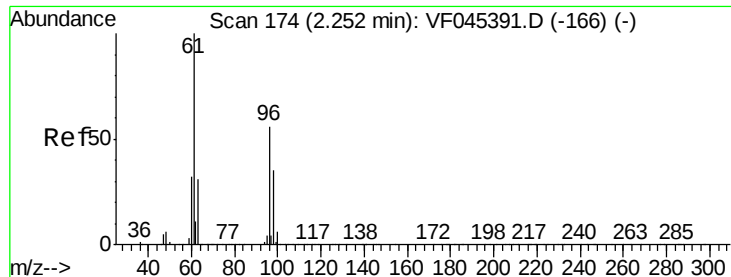


#20

Methylene Chloride
 Concen: 49.79 ug/l
 RT: 2.14 min Scan# 163
 Delta R.T. 0.02 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion: 84 Resp: 346650
 Ion Ratio Lower Upper
 84 100
 49 143.2 122.8 184.2
 51 45.0 35.4 53.2
 86 65.1 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 50.34 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

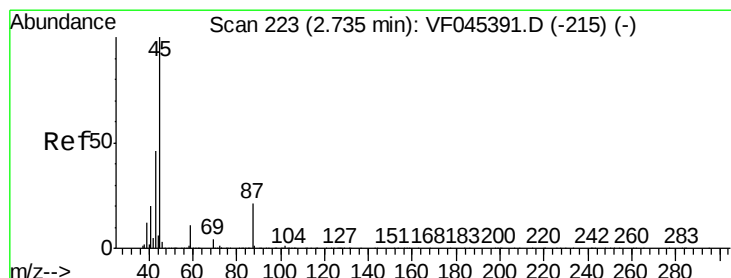
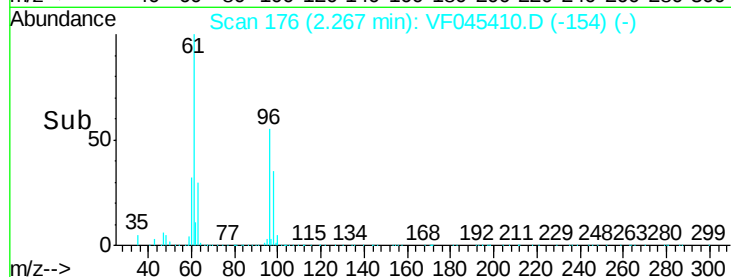
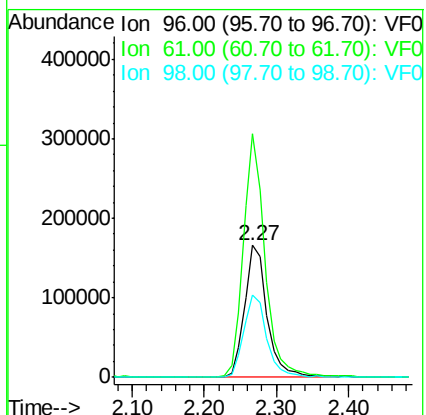
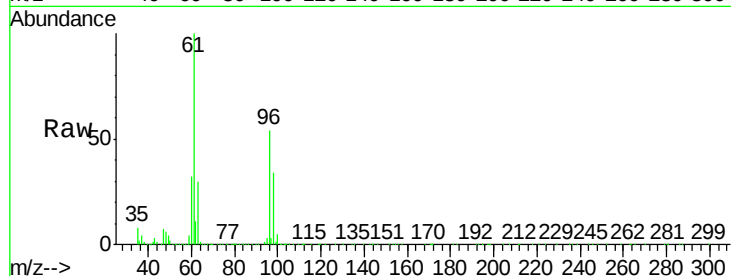
Tot Ion: 96 Resp: 363489

Ion Ratio Lower Upper

96 100

61 184.9 136.8 205.2

98 62.6 51.0 76.4



#22

Diisopropyl ether

Concen: 49.60 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion: 45 Resp: 1056637

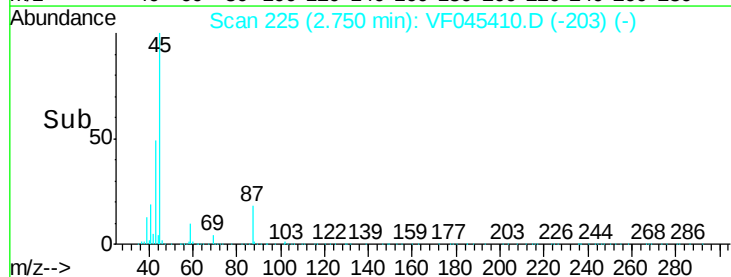
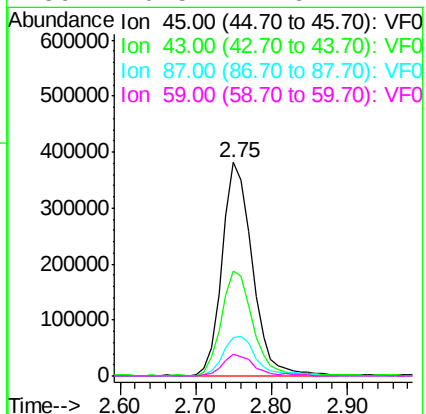
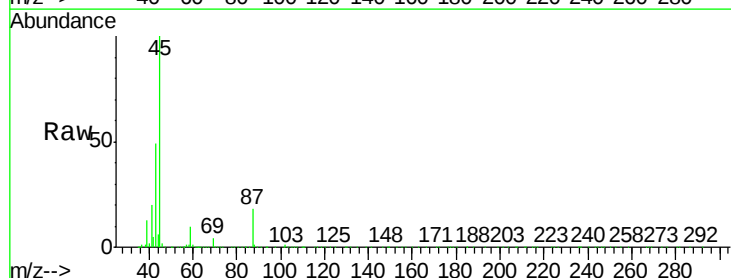
Ion Ratio Lower Upper

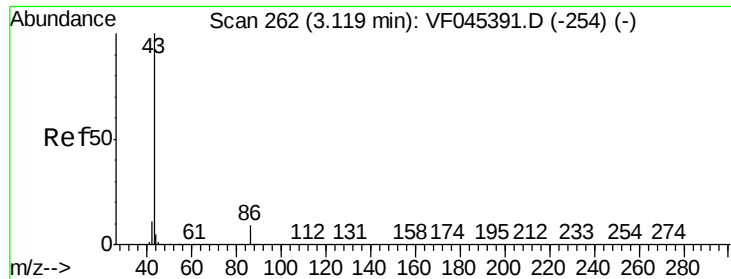
45 100

43 49.4 42.2 63.4

87 18.3 16.6 25.0

59 10.5 7.6 11.4





#23

Vinyl Acetate

Concen: 228.75 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

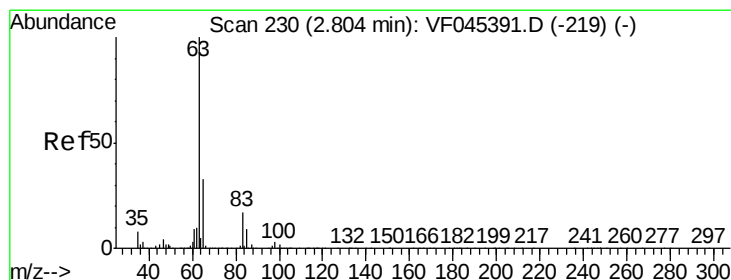
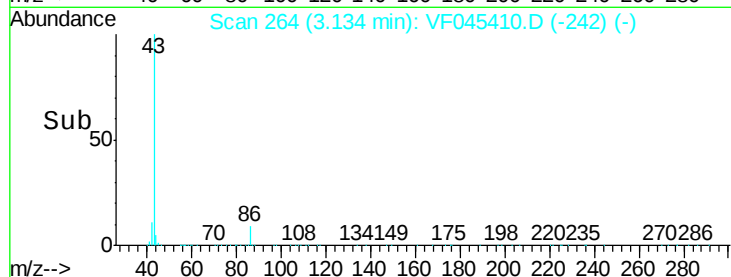
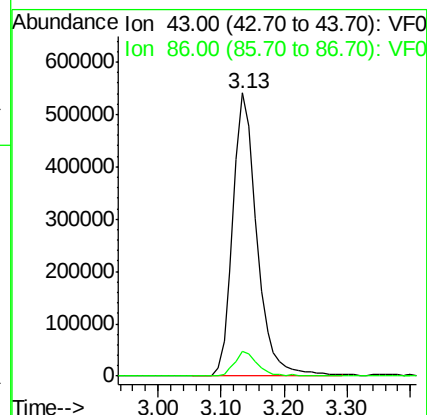
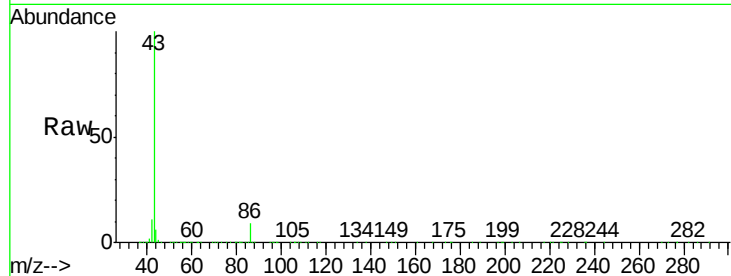
MGP209BR-29-30MSD

Tot Ion: 43 Resp: 1422436

Ion Ratio Lower Upper

43 100

86 9.0 6.3 9.5



#24

1,1-Dichloroethane

Concen: 48.66 ug/l

RT: 2.83 min Scan# 233

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

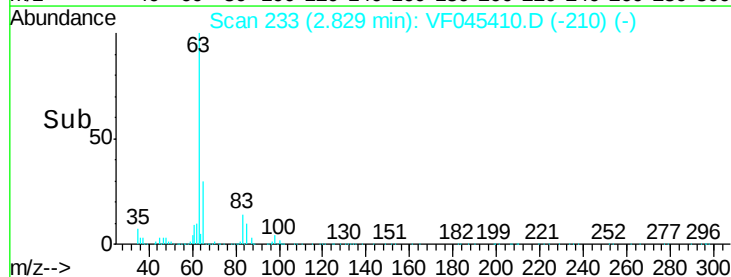
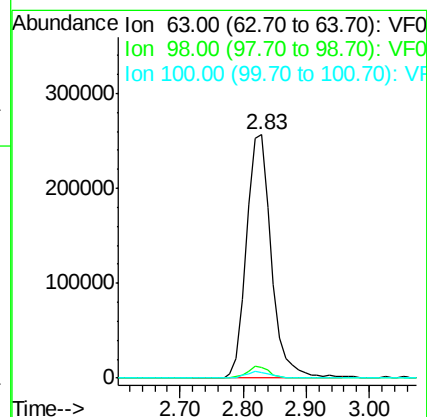
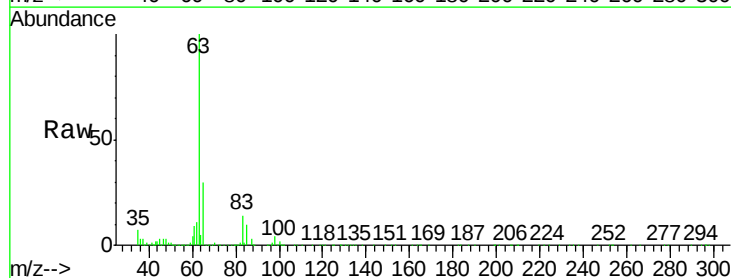
Tgt Ion: 63 Resp: 701614

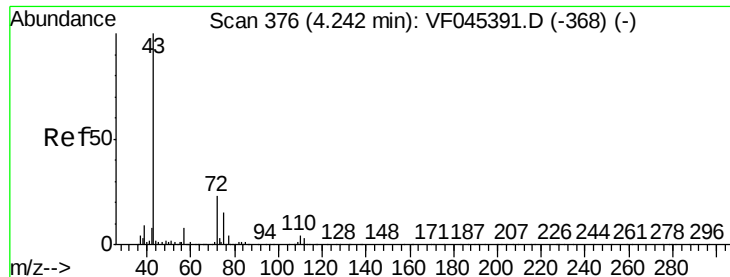
Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

100 2.1 1.1 3.5





#25

2-Butanone

Concen: 200.50 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

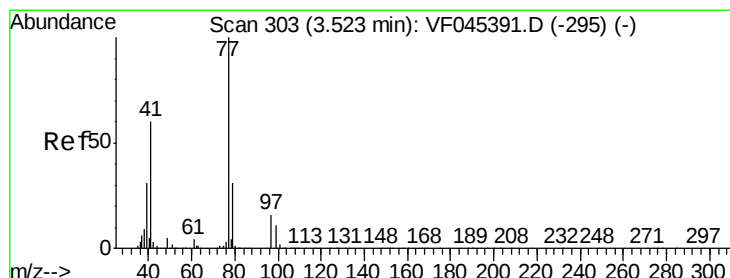
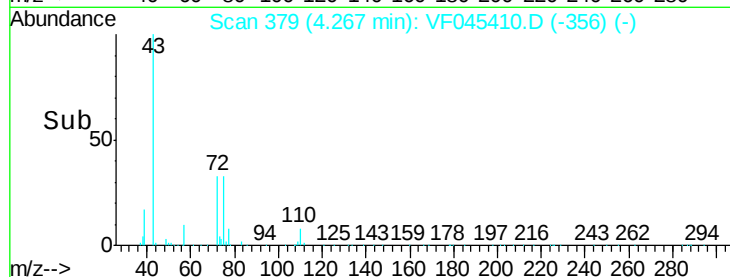
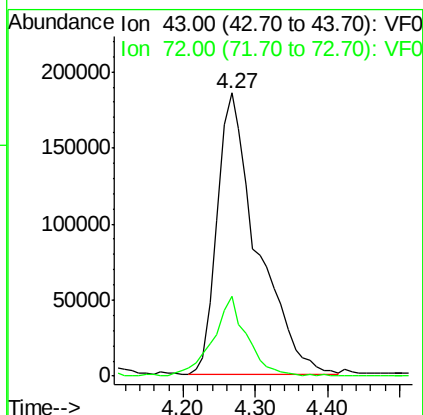
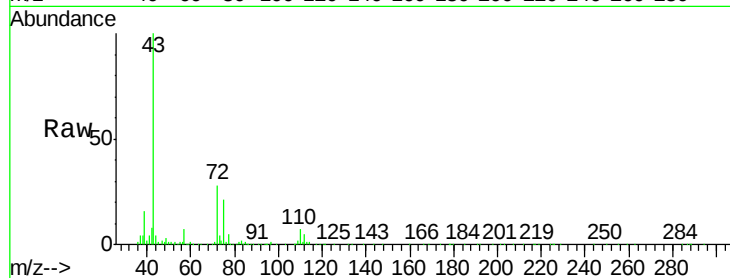
MGP209BR-29-30MSD

Tot Ion: 43 Resp: 718441

Ion Ratio Lower Upper

43 100

72 28.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 45.78 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.02 min

Lab File: VF045410.D

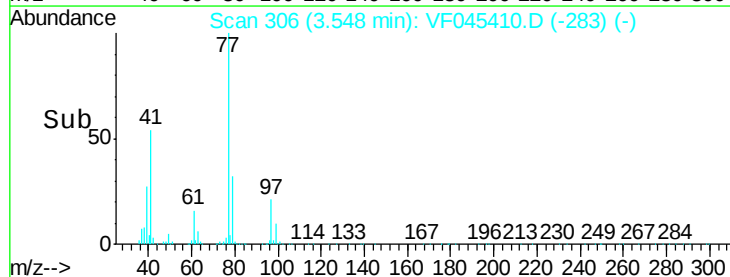
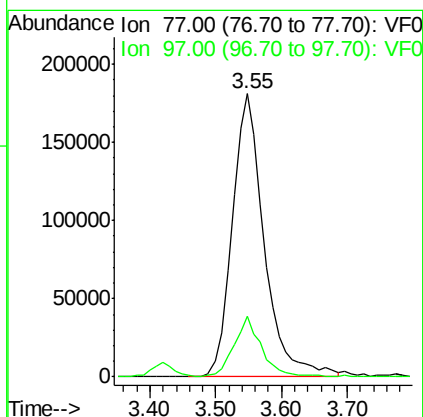
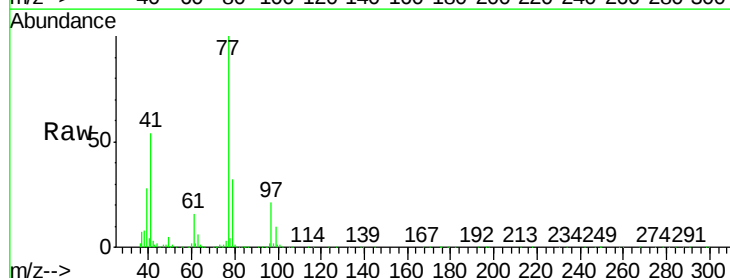
Acq: 17 Sep 2015 16:58

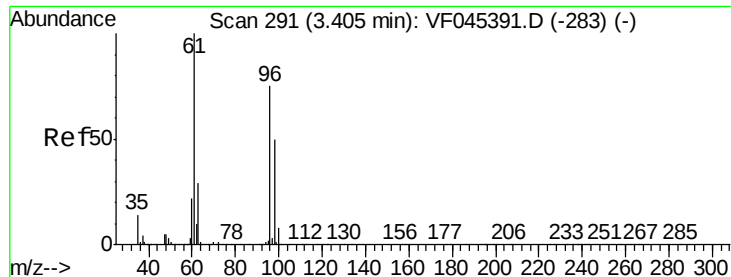
Tgt Ion: 77 Resp: 614795

Ion Ratio Lower Upper

77 100

97 21.4 9.2 27.4



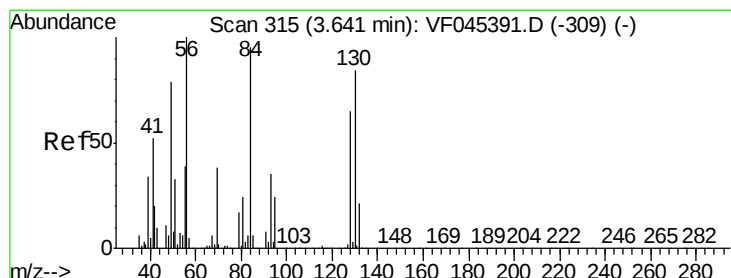
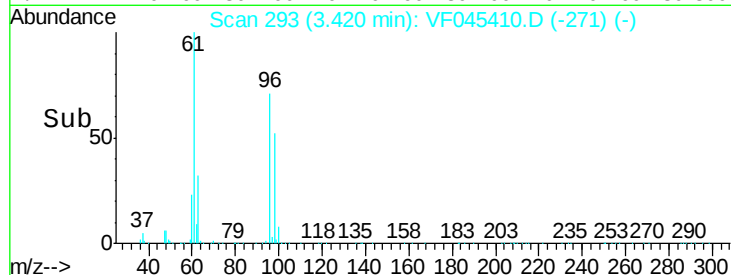
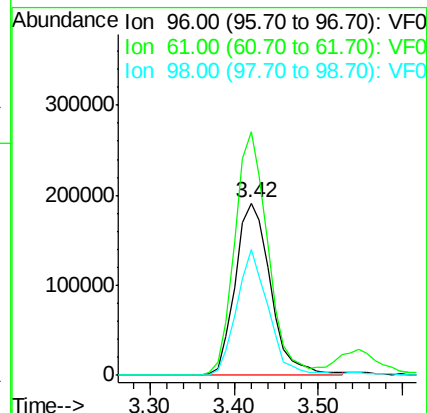
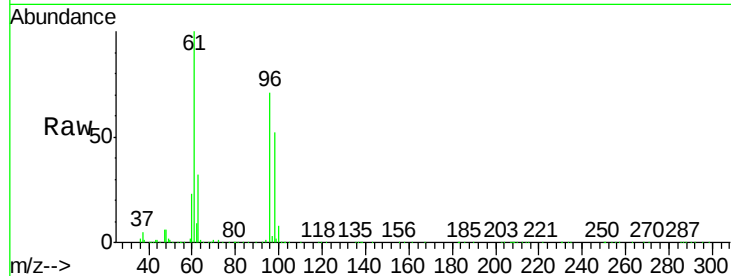


#27

cis-1,2-Dichloroethene
Concen: 50.16 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

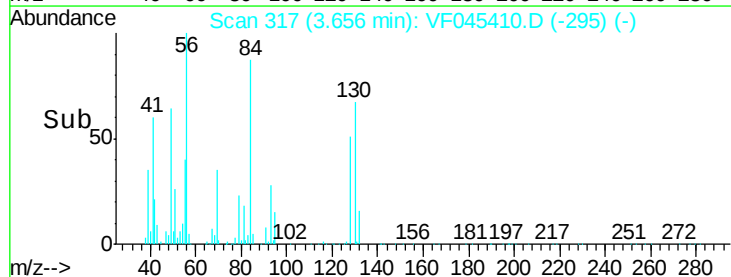
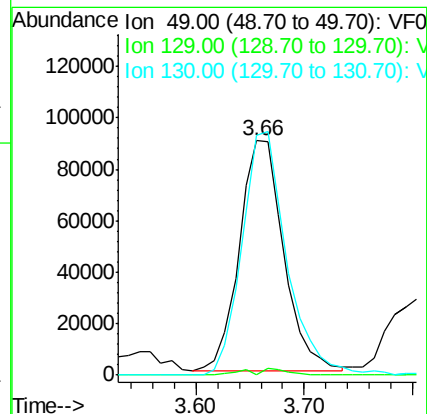
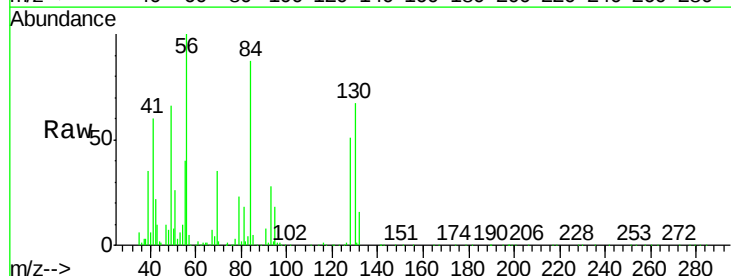
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	268.6
98	72.9	0.0	135.8

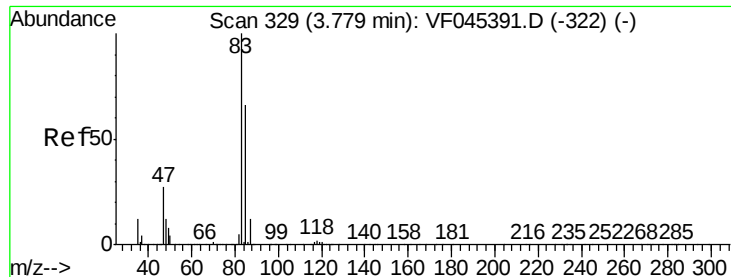


#28

Bromochloromethane
Concen: 45.08 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	102.1	79.6	119.4





#29

Chloroform

Concen: 49.91 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

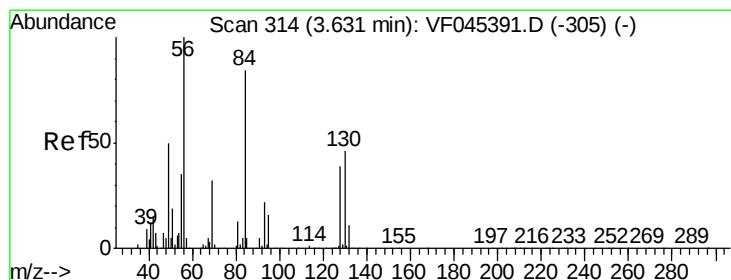
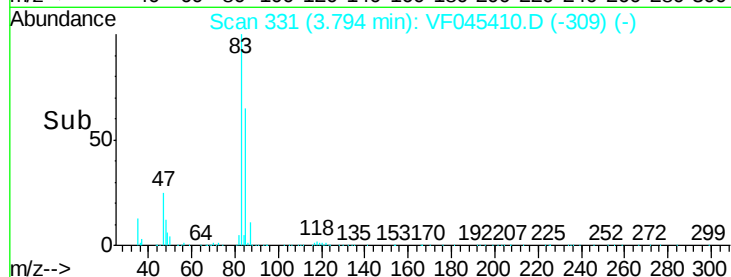
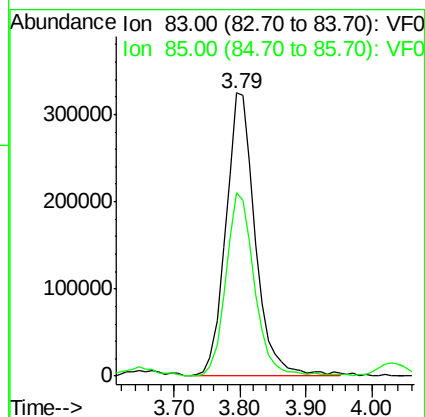
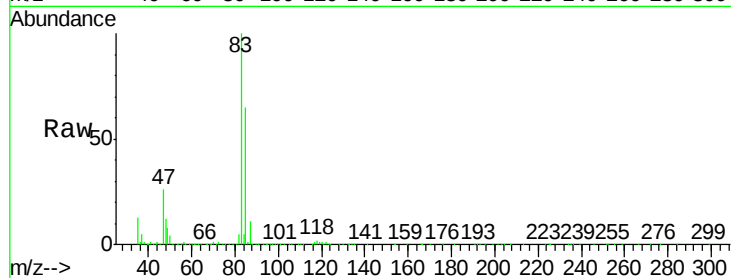
MGP209BR-29-30MSD

Tot Ion: 83 Resp: 1011601

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4



#30

Cyclohexane

Concen: 47.91 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

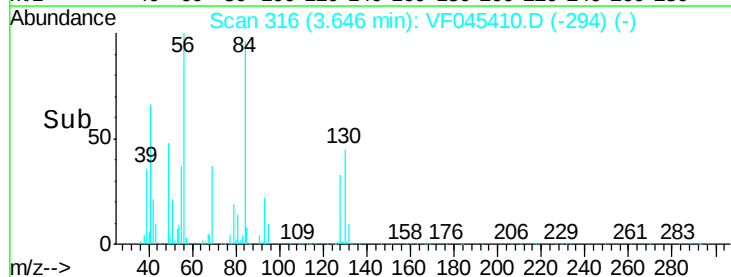
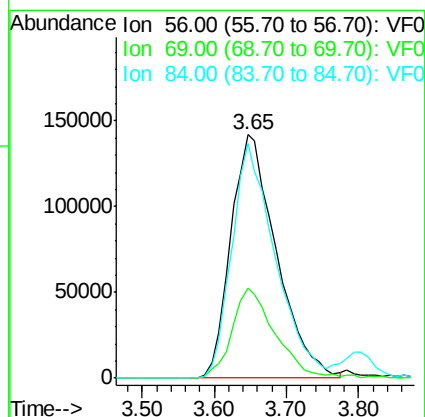
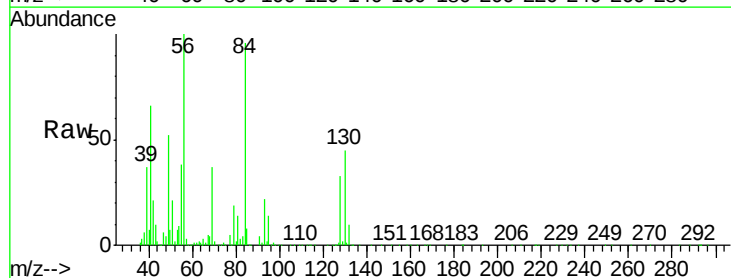
Tgt Ion: 56 Resp: 623342

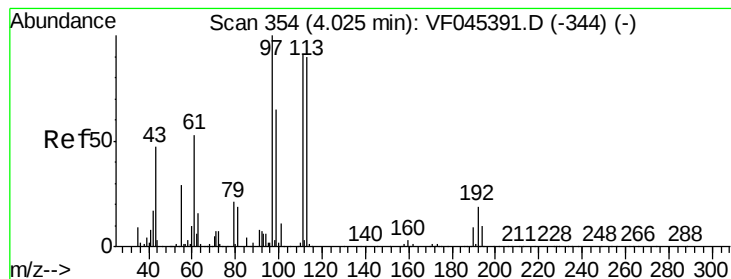
Ion Ratio Lower Upper

56 100

69 36.8 26.1 39.1

84 96.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 46.19 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

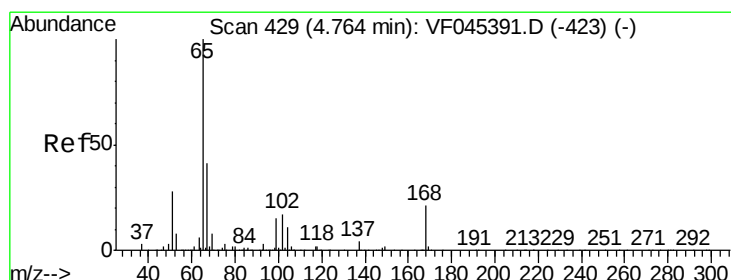
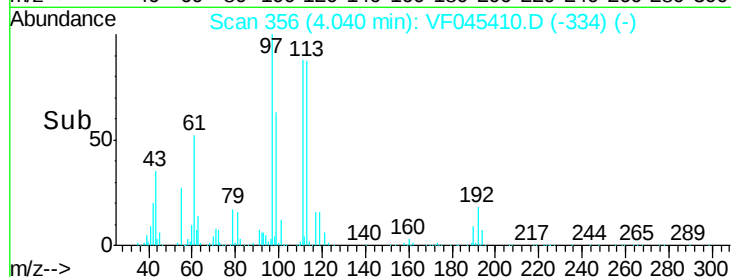
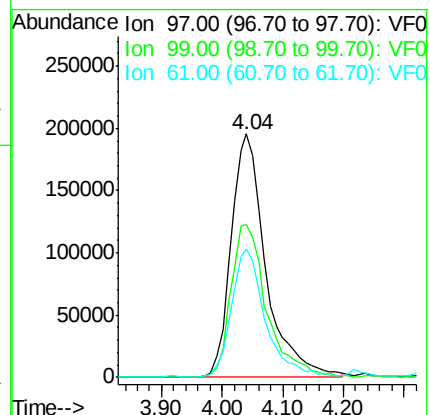
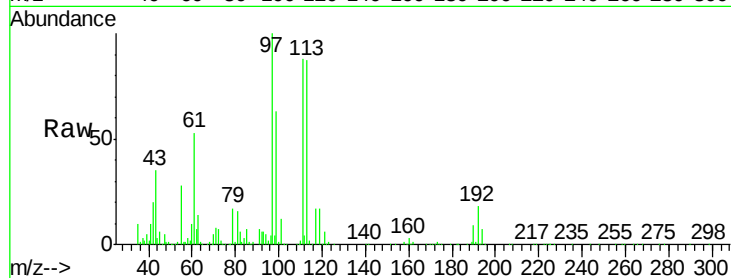
Tot Ion: 97 Resp: 775539

Ion Ratio Lower Upper

97 100

99 63.0 51.1 76.7

61 52.5 37.8 56.6



#32

1,2-Dichloroethane-d4

Concen: 46.81 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF045410.D

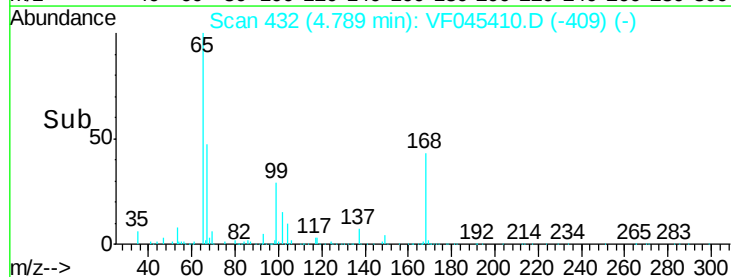
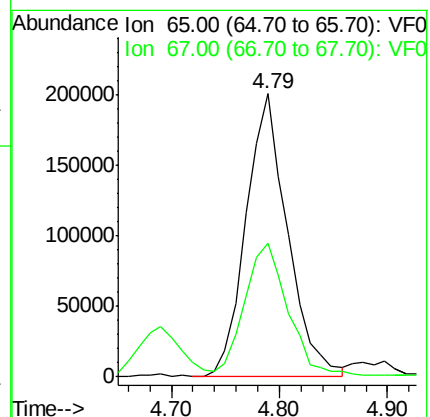
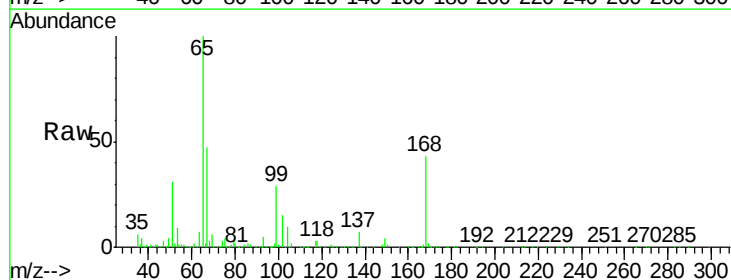
Acq: 17 Sep 2015 16:58

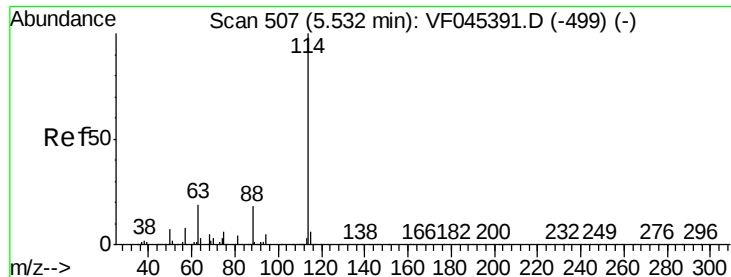
Tgt Ion: 65 Resp: 528126

Ion Ratio Lower Upper

65 100

67 47.3 0.0 102.2

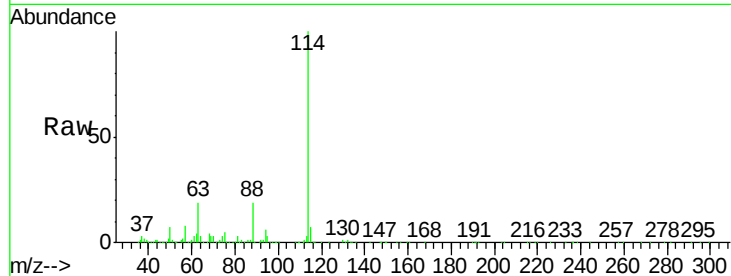




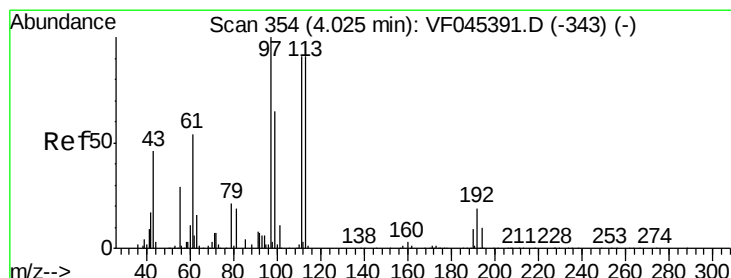
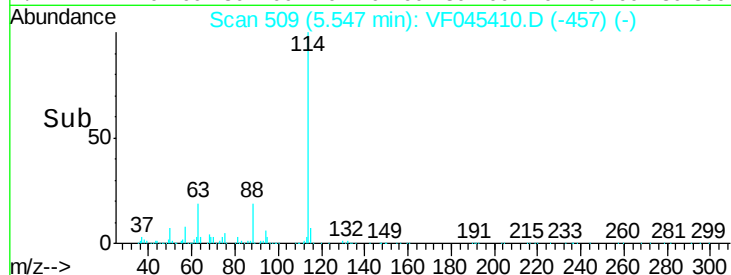
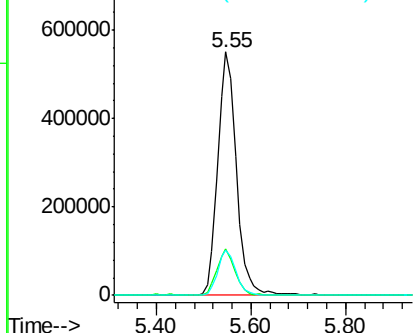
#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion:114 Resp: 1508032
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.2
88 18.6 0.0 37.0

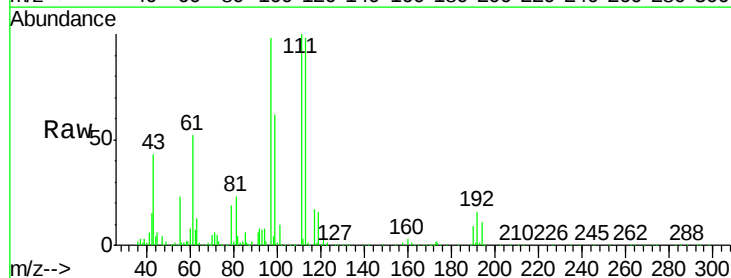


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

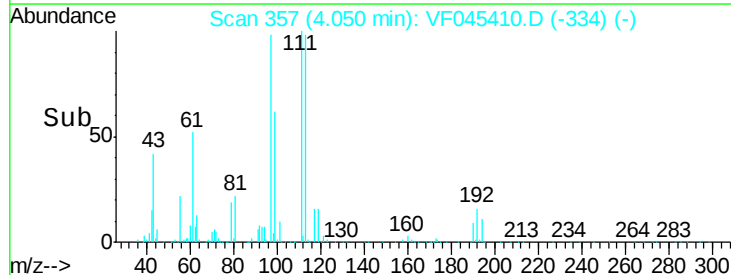
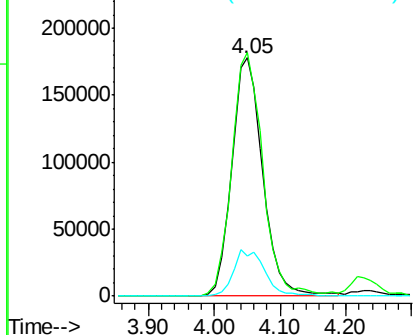


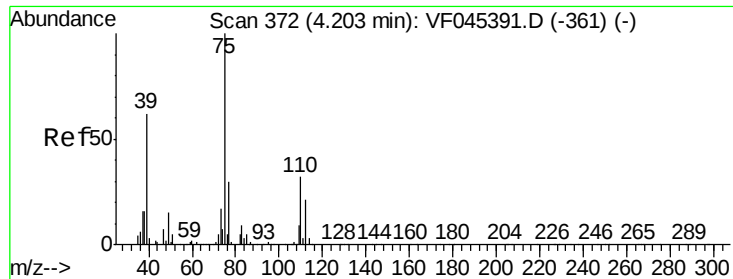
#34
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion:113 Resp: 585740
Ion Ratio Lower Upper
113 100
111 102.3 75.5 113.3
192 16.9 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: 49.56 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

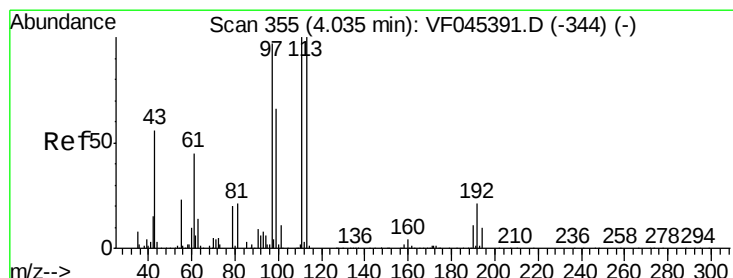
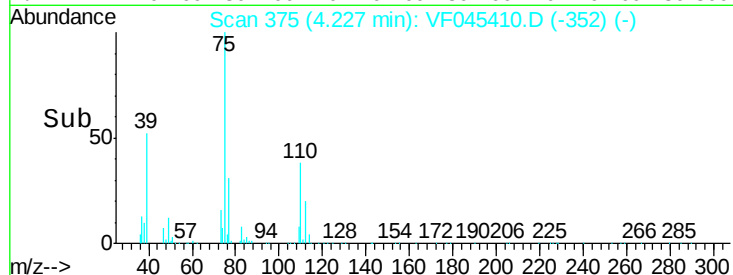
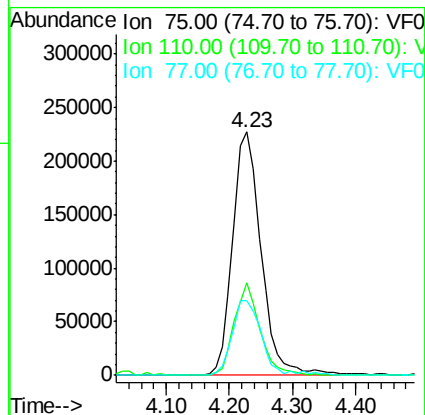
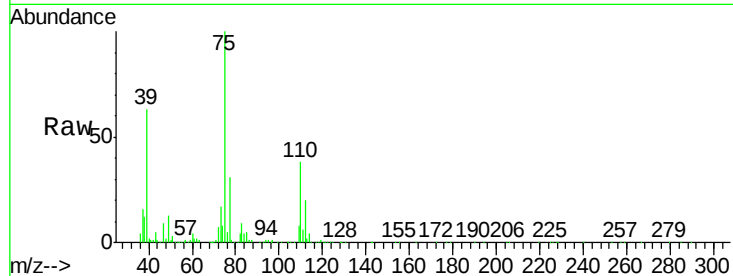
Tot Ion: 75 Resp: 709048

Ion Ratio Lower Upper

75 100

110 37.9 15.9 47.6

77 30.9 24.2 36.4



#36

Ethyl Acetate

Concen: 41.66 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

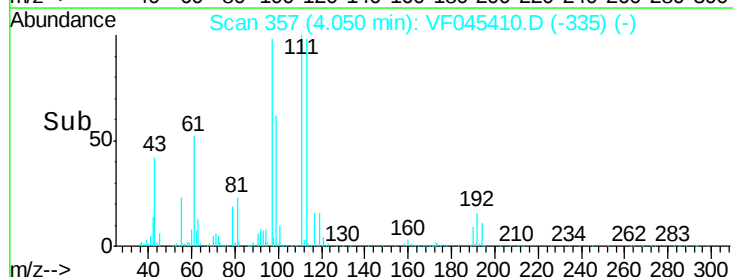
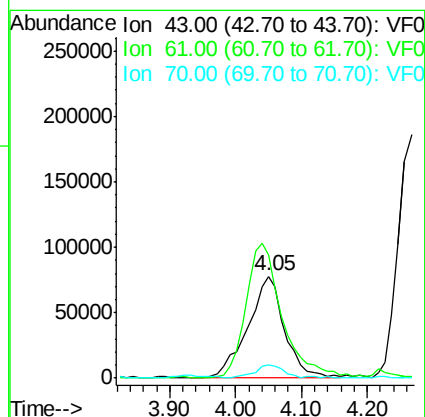
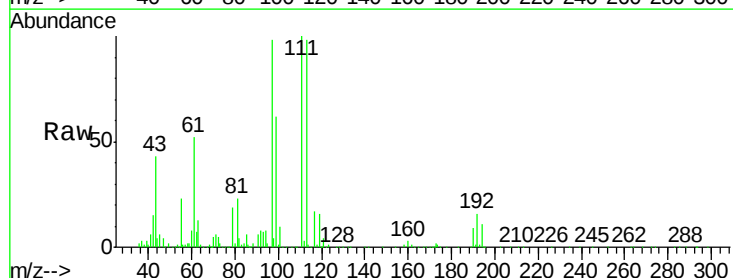
Tgt Ion: 43 Resp: 301542

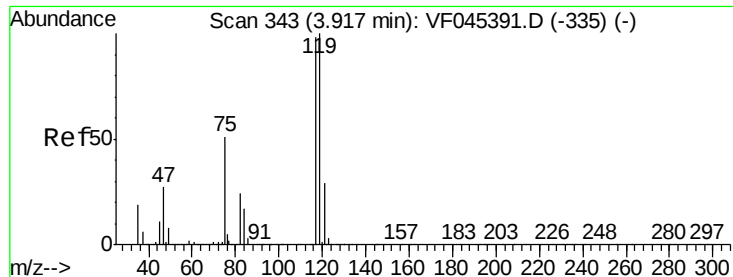
Ion Ratio Lower Upper

43 100

61 121.2 49.4 74.0#

70 12.6 10.8 16.2





#37

Carbon Tetrachloride

Concen: 49.93 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

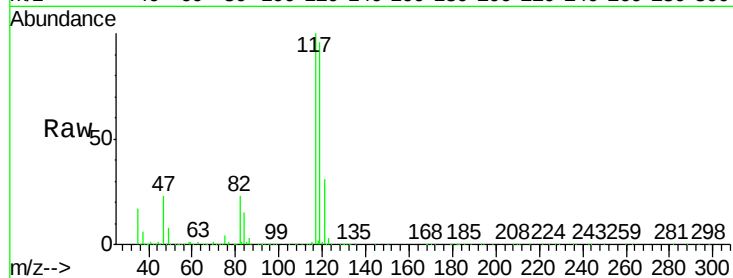
Tot Ion:117 Resp: 752417

Ion Ratio Lower Upper

117 100

119 96.1 77.8 116.8

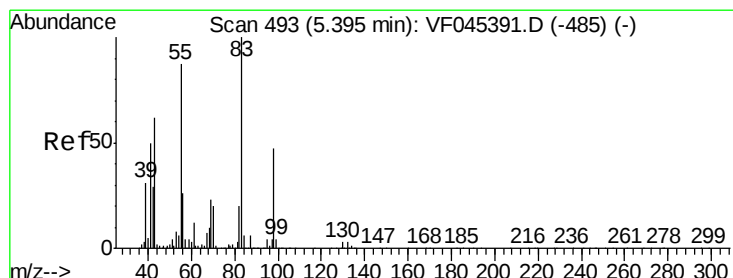
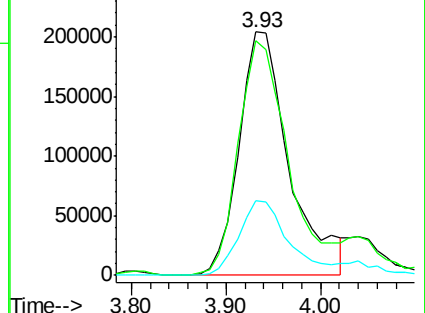
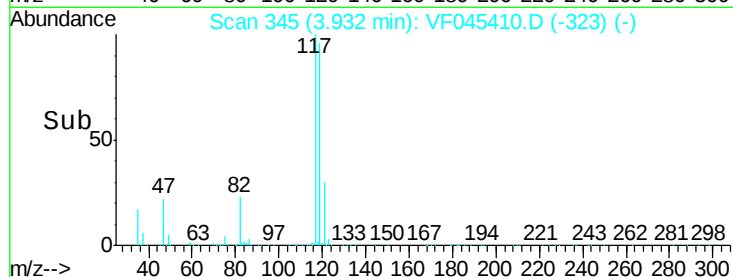
121 30.7 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Methylcyclohexane

Concen: 51.94 ug/l

RT: 5.41 min Scan# 495

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

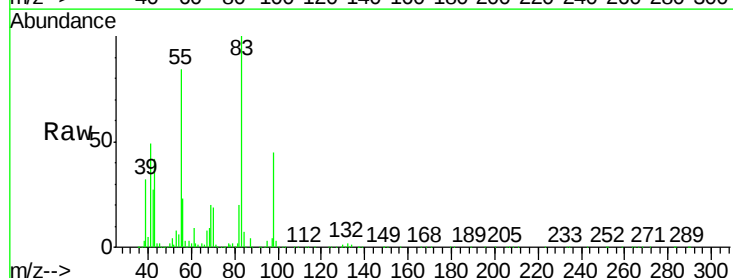
Tgt Ion: 83 Resp: 798709

Ion Ratio Lower Upper

83 100

55 83.5 60.5 90.7

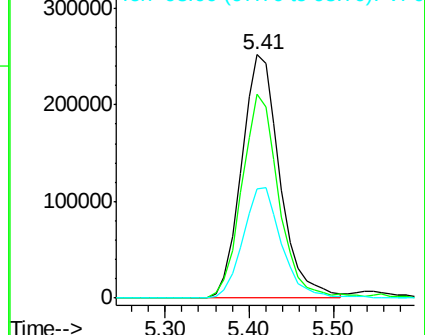
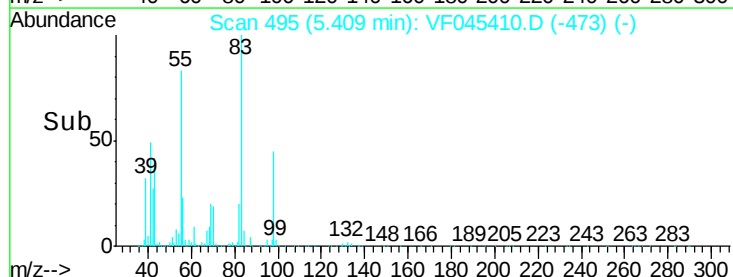
98 45.0 38.1 57.1

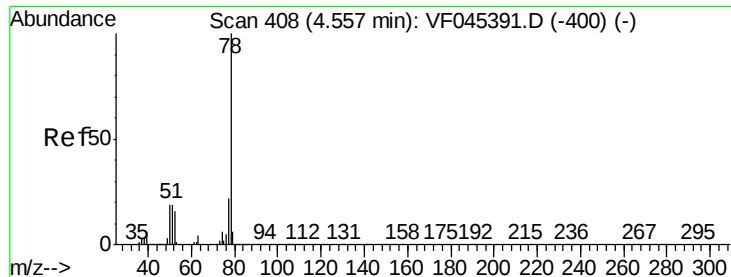


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 50.79 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

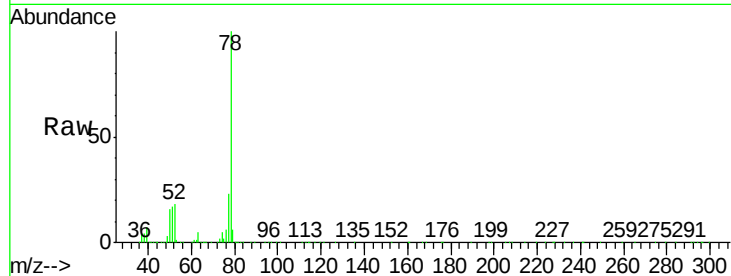
MGP209BR-29-30MSD

Tot Ion: 78 Resp: 1698718

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.58

600000

500000

400000

300000

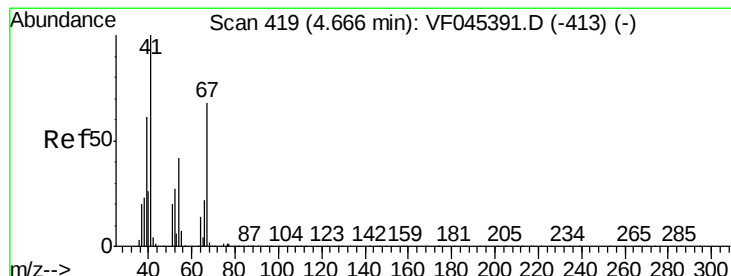
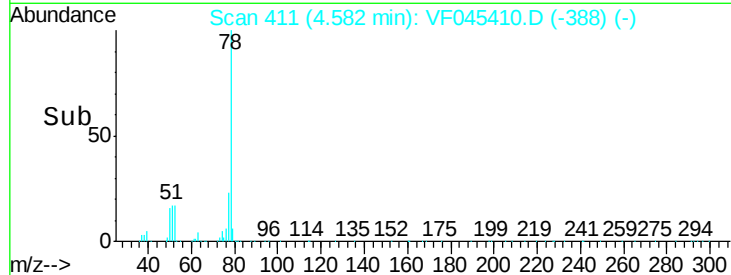
200000

100000

0

4.40 4.50 4.60 4.70 4.80

Time-->



#40

Methacrylonitrile

Concen: 42.33 ug/l

RT: 4.68 min Scan# 421

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion: 41 Resp: 145033

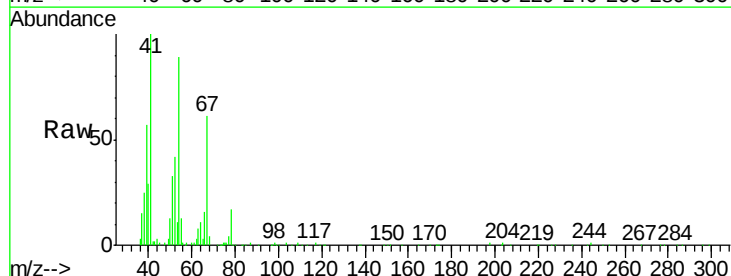
Ion Ratio Lower Upper

41 100

39 57.4 44.9 67.3

67 61.1 49.0 73.4

52 42.2 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

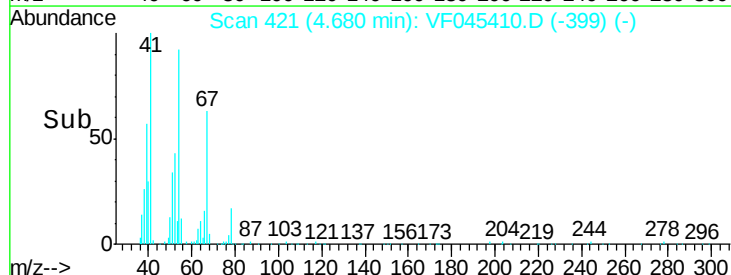
100000

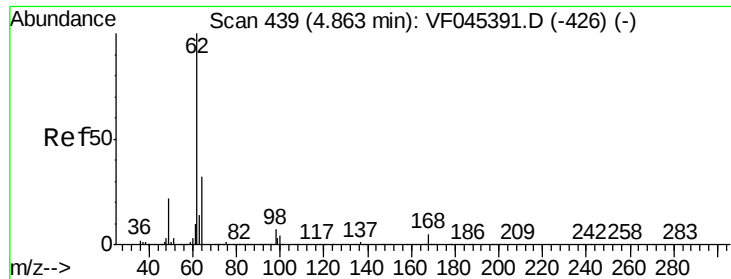
50000

0

4.60 4.70 4.80

Time-->





#41

1,2-Dichloroethane

Concen: 46.15 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

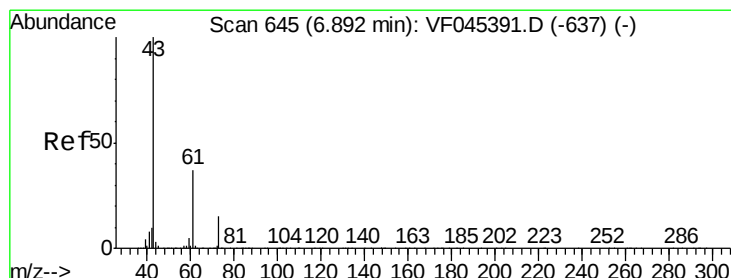
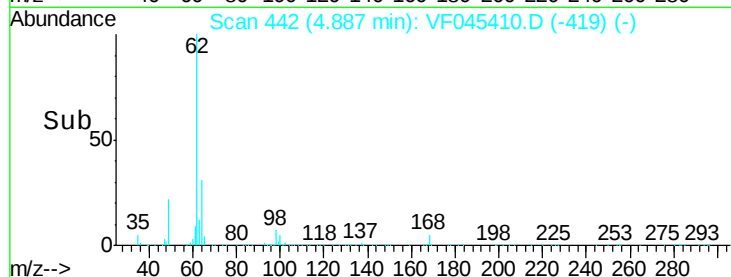
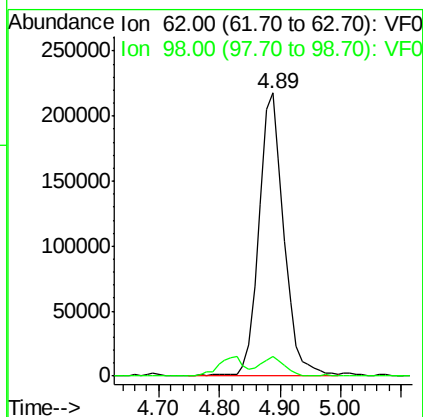
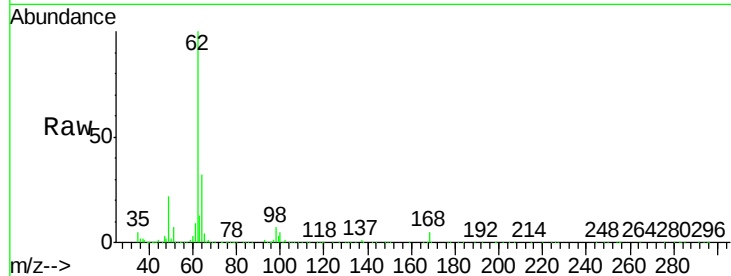
MGP209BR-29-30MSD

Tot Ion: 62 Resp: 622703

Ion Ratio Lower Upper

62 100

98 6.9 0.0 17.0



#42

Isopropyl Acetate

Concen: 48.48 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

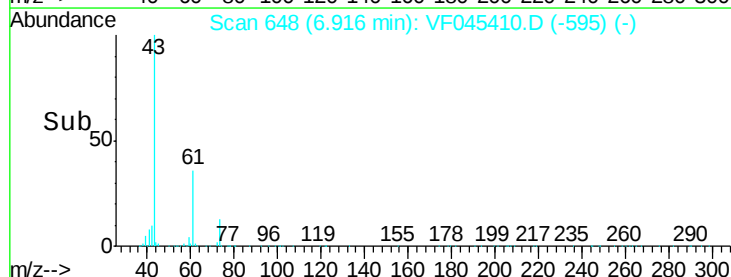
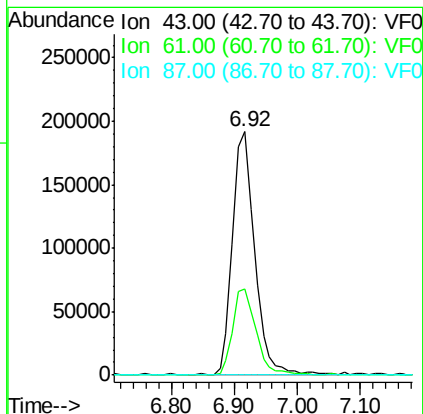
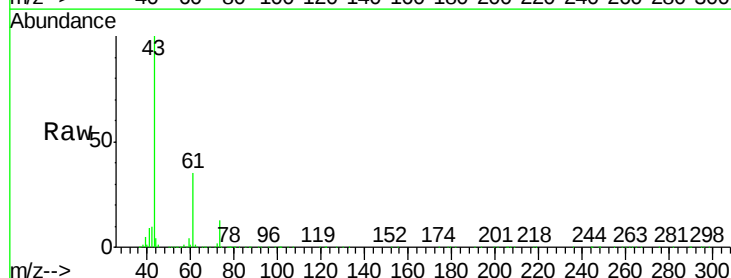
Tgt Ion: 43 Resp: 462373

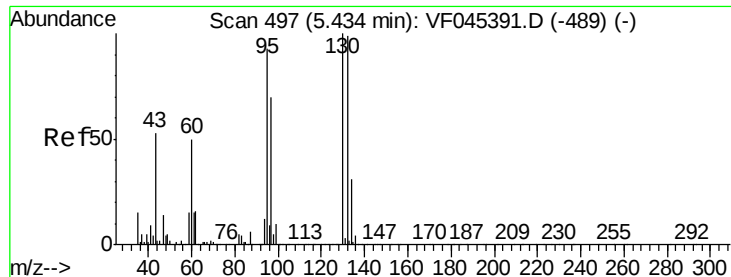
Ion Ratio Lower Upper

43 100

61 35.4 29.8 44.6

87 0.2 0.2 0.2#





#43

Trichloroethene

Concen: 49.69 ug/l

RT: 5.45 min Scan# 499

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

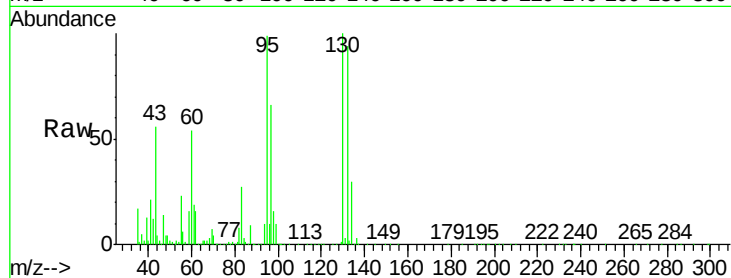
MGP209BR-29-30MSD

Tot Ion:130 Resp: 567589

Ion Ratio Lower Upper

130 100

95 98.8 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.45

200000

150000

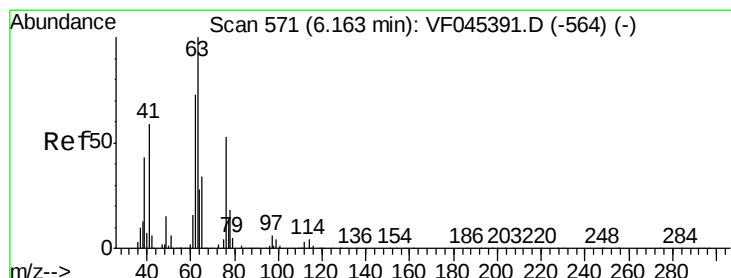
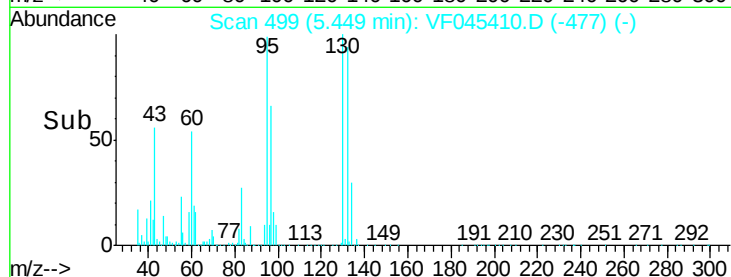
100000

50000

0

Time-->

5.30 5.40 5.50 5.60



#44

1,2-Dichloropropane

Concen: 49.84 ug/l

RT: 6.19 min Scan# 574

Delta R.T. 0.02 min

Lab File: VF045410.D

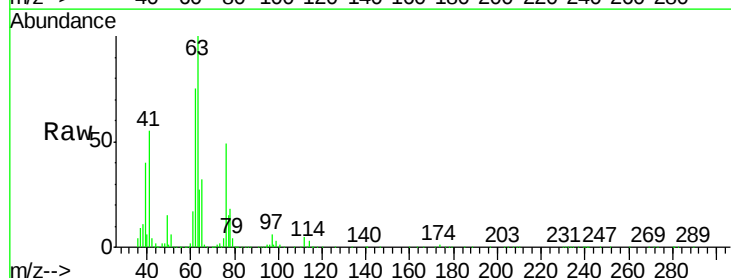
Acq: 17 Sep 2015 16:58

Tgt Ion: 63 Resp: 485686

Ion Ratio Lower Upper

63 100

65 31.8 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.19

200000

150000

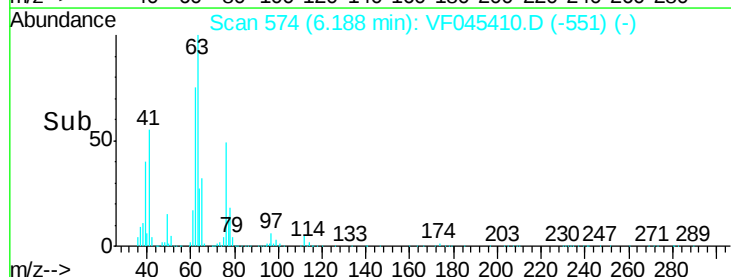
100000

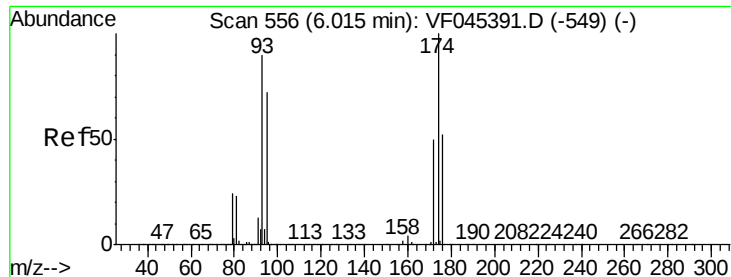
50000

0

Time-->

6.10 6.20 6.30





#45

Dibromomethane

Concen: 49.00 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

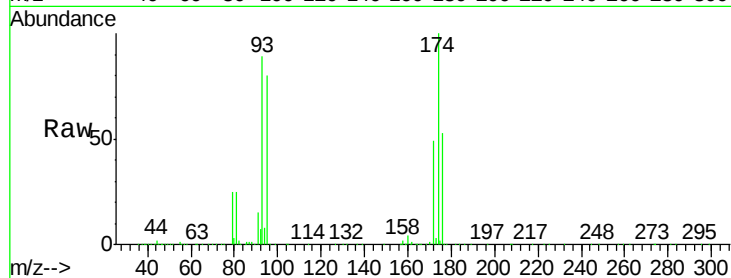
Tot Ion: 93 Resp: 339801

Ion Ratio Lower Upper

93 100

95 89.3 69.8 104.6

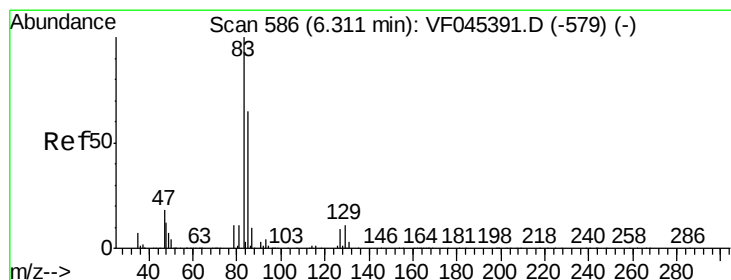
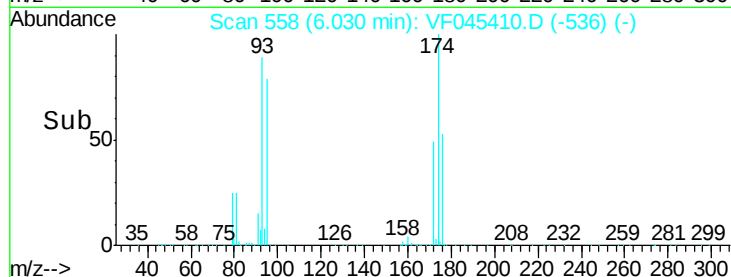
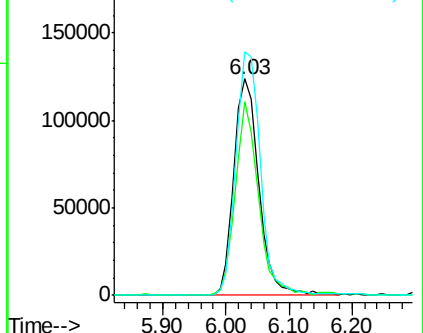
174 112.4 90.5 135.7



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#46

Bromodichloromethane

Concen: 47.72 ug/l

RT: 6.34 min Scan# 589

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

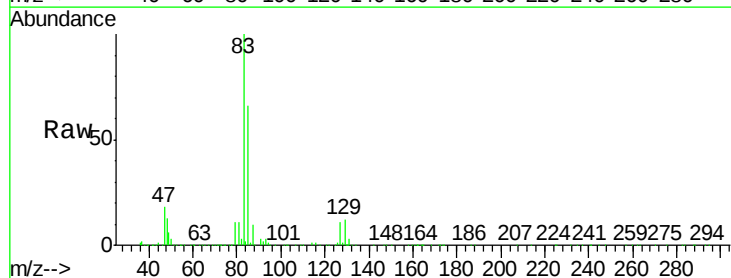
Tgt Ion: 83 Resp: 740937

Ion Ratio Lower Upper

83 100

85 66.1 50.6 75.8

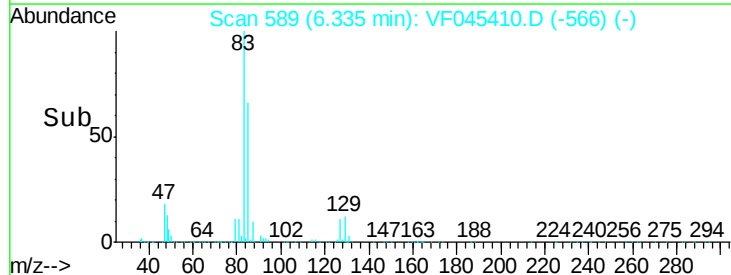
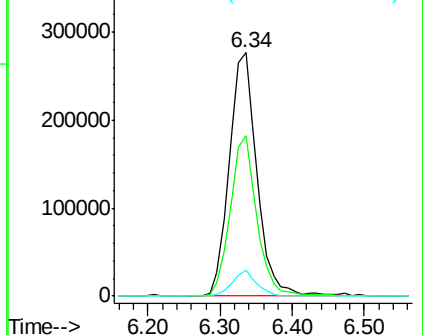
127 10.9 7.7 11.5

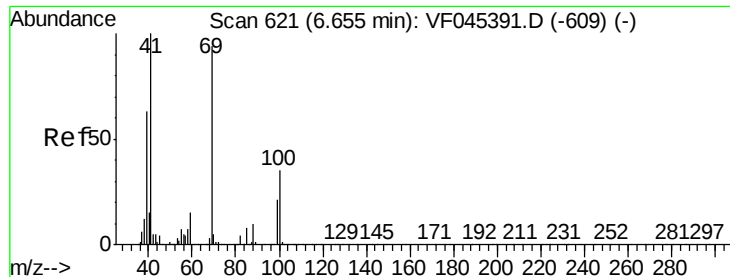


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

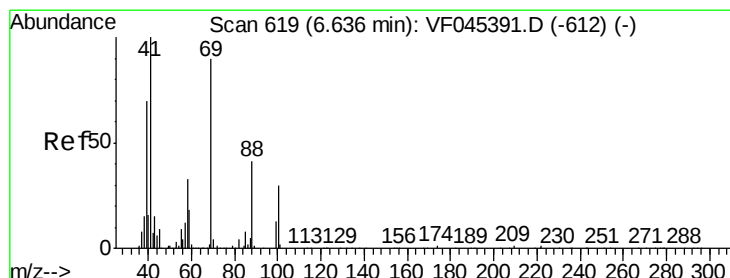
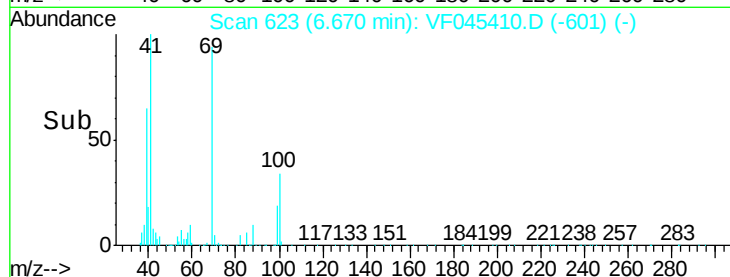
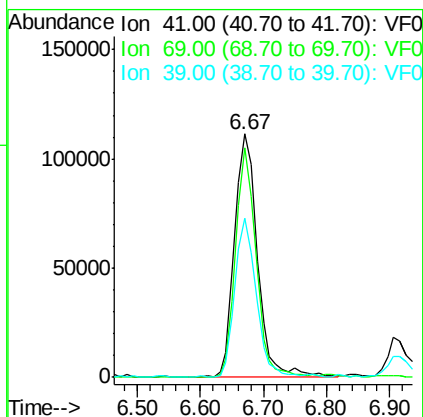
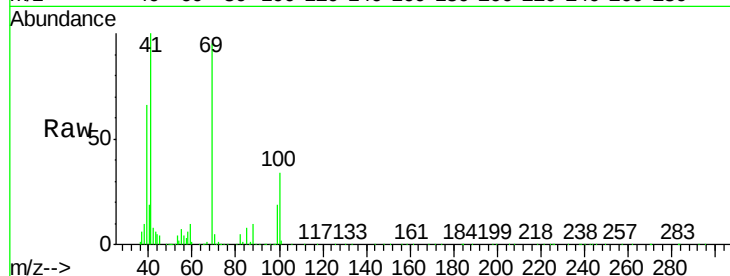




#47
Methvl methacrvlate
Concen: 48.26 ug/l
RT: 6.67 min Scan# 623
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

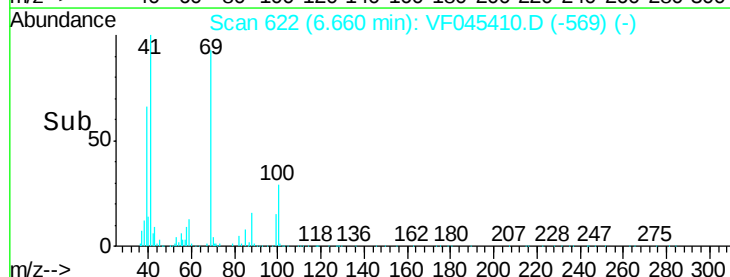
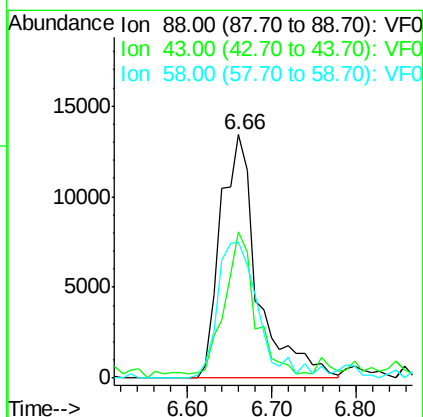
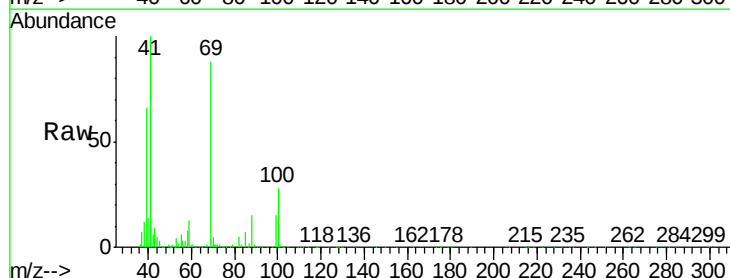
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

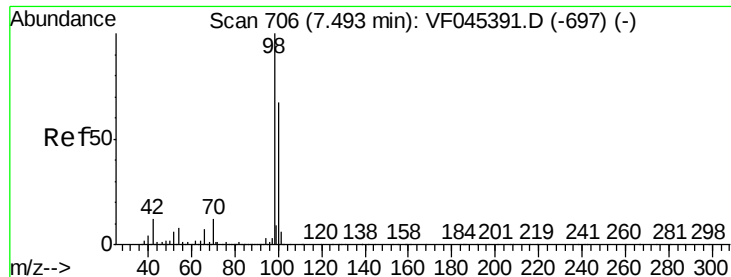
Tot Ion	Ratio	Lower	Upper
41	100		
69	94.5	63.3	94.9
39	65.5	48.9	73.3



#48
1,4-Dioxane
Concen: 591.88 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
88	100		
43	60.2	34.5	51.7#
58	55.7	46.5	69.7





#49

Toluene-d8

Concen: 54.78 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

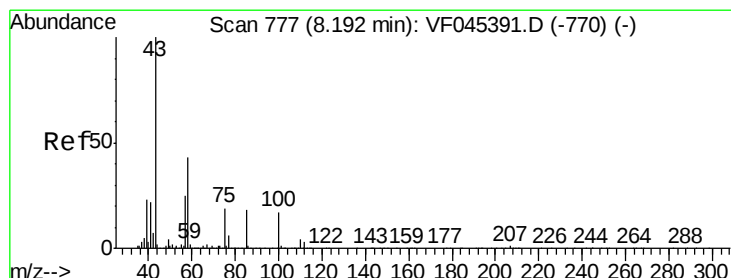
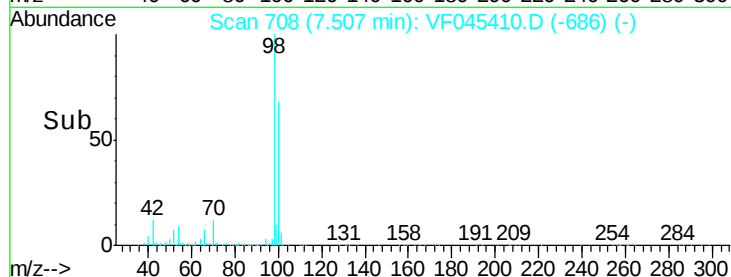
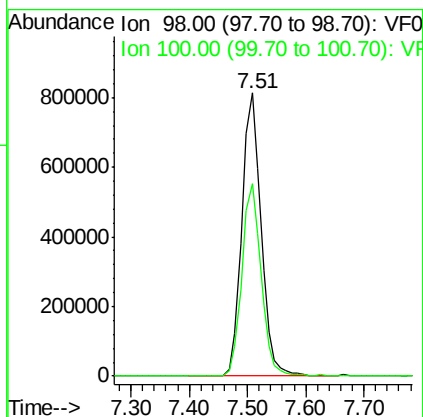
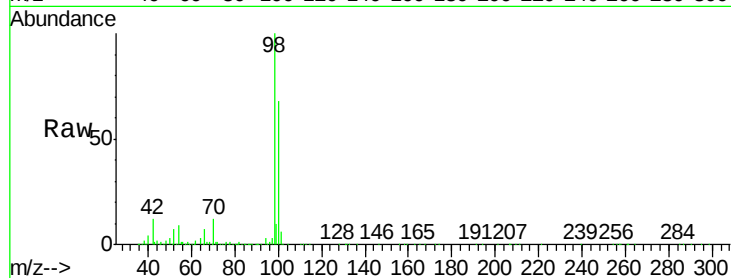
MGP209BR-29-30MSD

Tot Ion: 98 Resp: 1885250

Ion Ratio Lower Upper

98 100

100 68.0 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 236.61 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045410.D

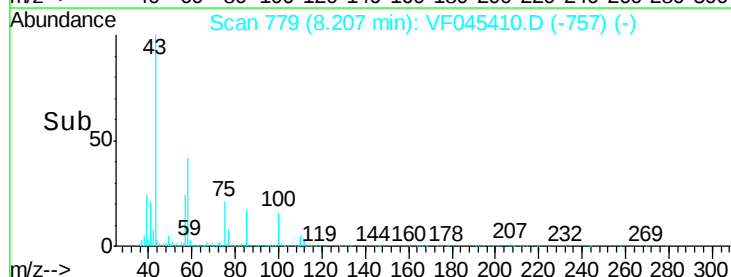
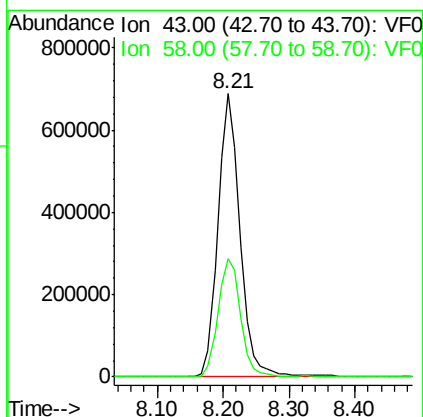
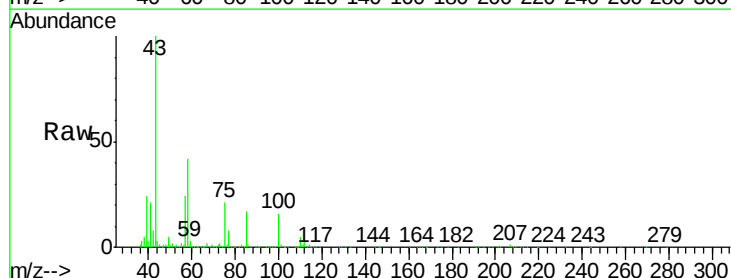
Acq: 17 Sep 2015 16:58

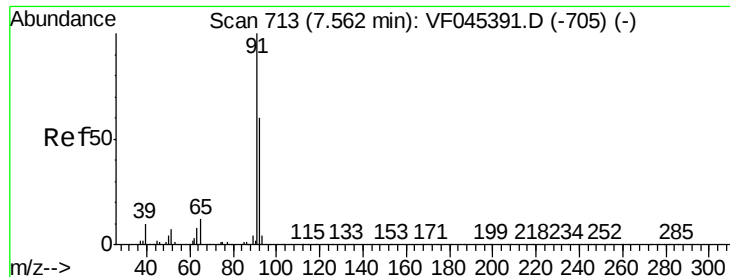
Tgt Ion: 43 Resp: 1604681

Ion Ratio Lower Upper

43 100

58 41.9 33.6 50.4





#51

Toluene

Concen: 51.75 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

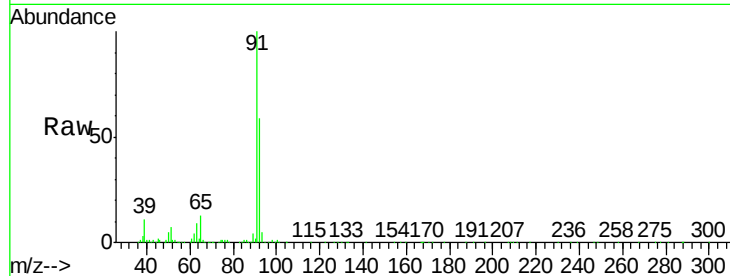
MGP209BR-29-30MSD

Tot Ion: 92 Resp: 1333870

Ion Ratio Lower Upper

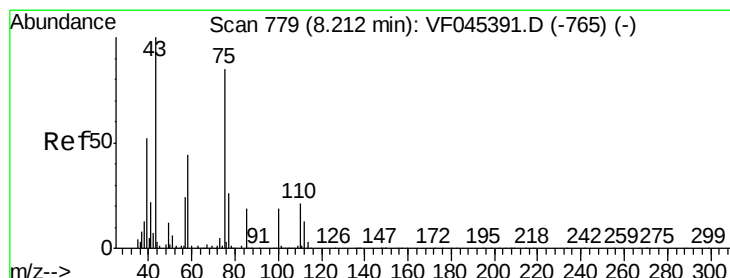
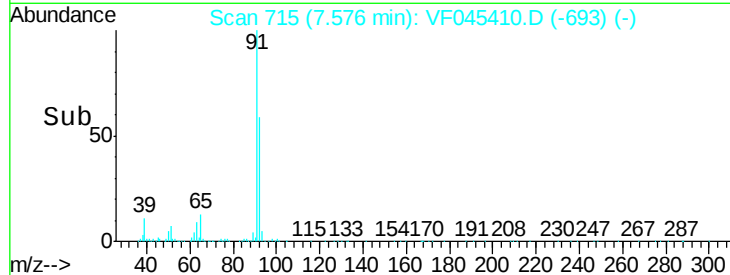
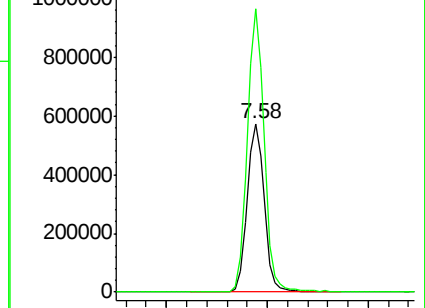
92 100

91 168.1 133.4 200.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#52

t-1,3-Dichloropropene

Concen: 48.92 ug/l

RT: 8.23 min Scan# 781

Delta R.T. 0.01 min

Lab File: VF045410.D

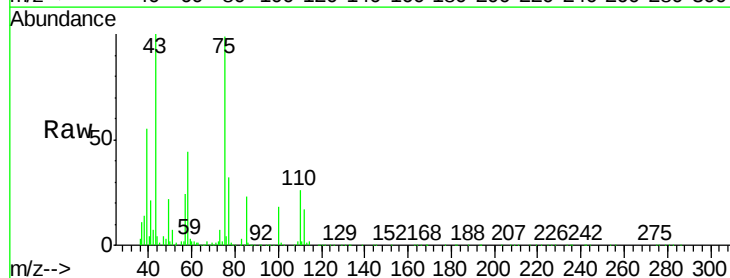
Acq: 17 Sep 2015 16:58

Tgt Ion: 75 Resp: 682759

Ion Ratio Lower Upper

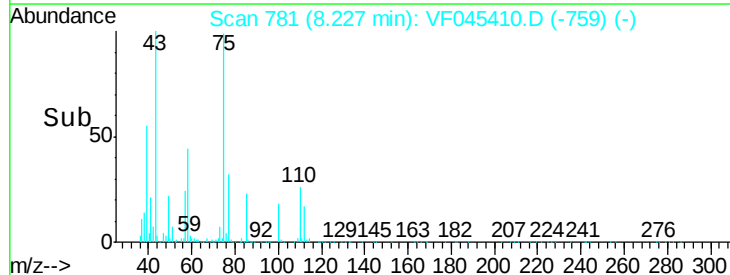
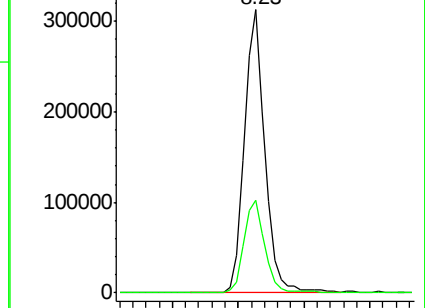
75 100

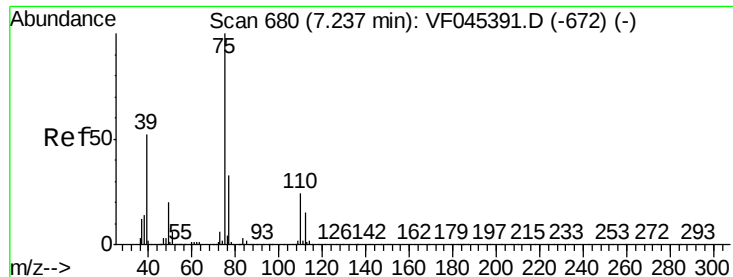
77 32.8 28.1 42.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#53

cis-1,3-Dichloropropene

Concen: 50.98 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

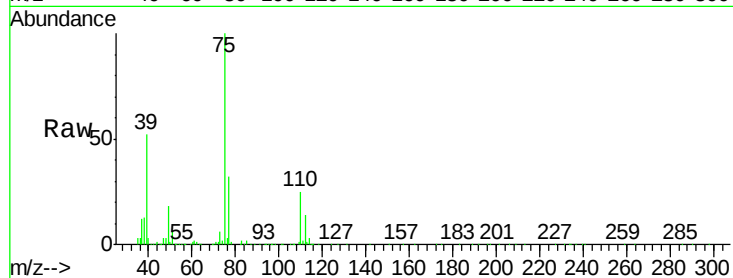
Tot Ion: 75 Resp: 840325

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

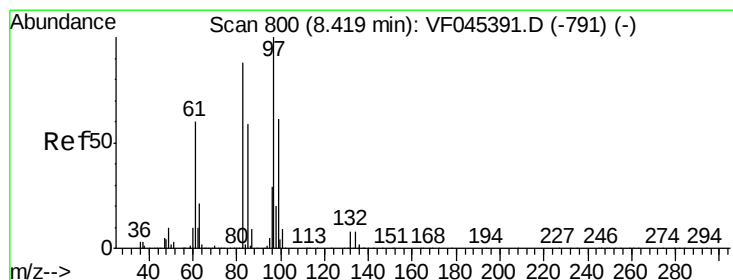
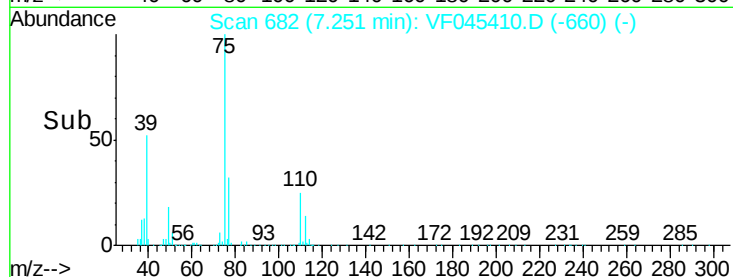
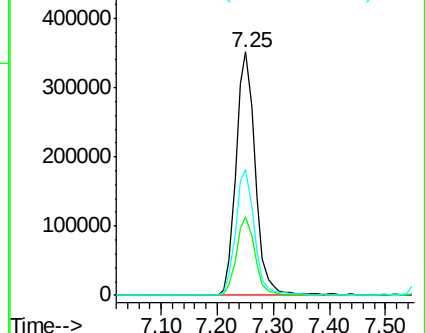
39 51.5 41.6 62.4



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: 48.55 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion: 97 Resp: 423184

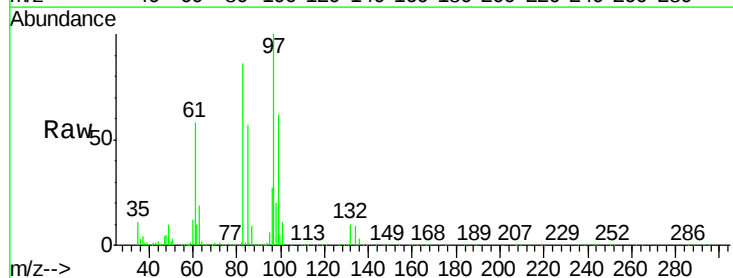
Ion Ratio Lower Upper

97 100

83 86.3 70.1 105.1

85 57.5 47.4 71.2

99 61.9 50.6 75.8

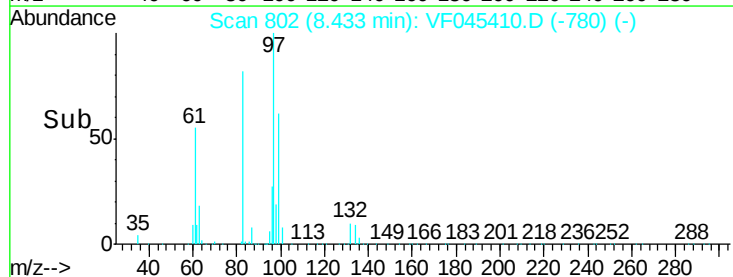
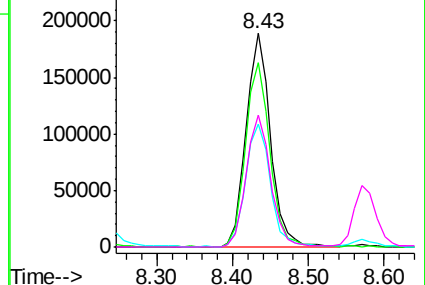


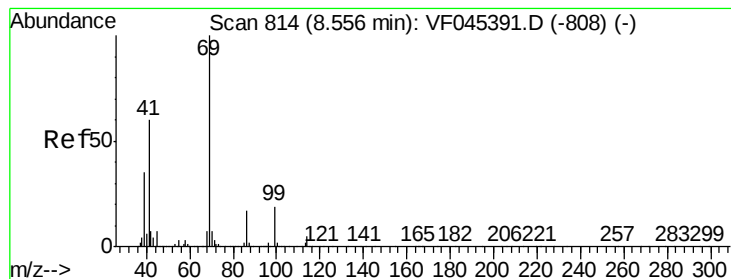
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#55

Ethyl methacrylate

Concen: 48.73 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

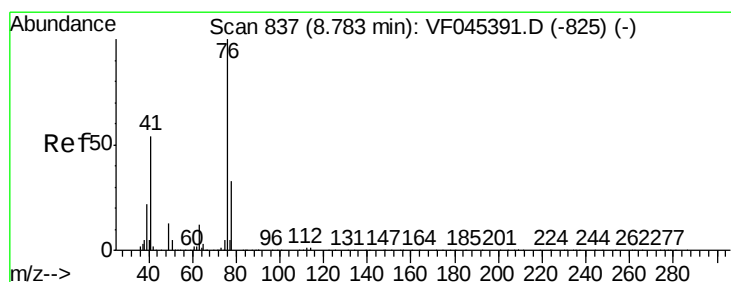
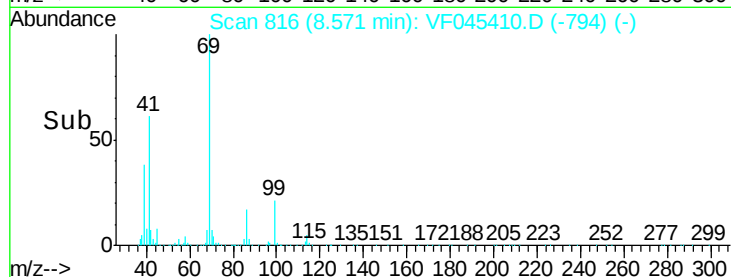
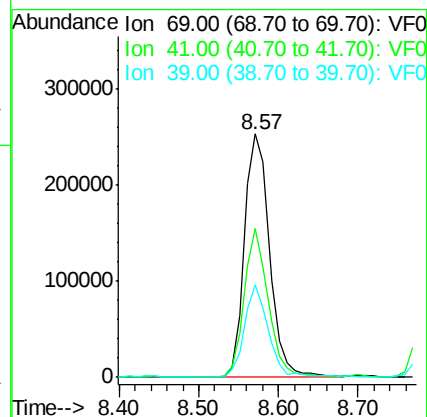
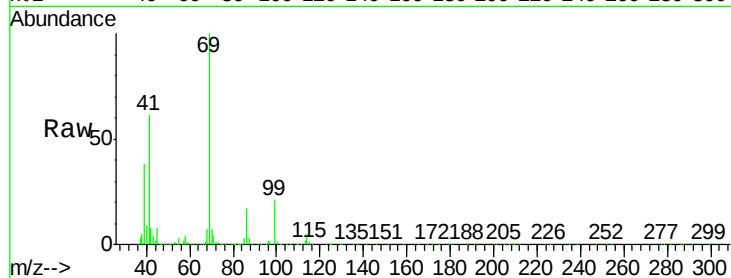
Tot Ion: 69 Resp: 552589

Ion Ratio Lower Upper

69 100

41 61.3 51.0 76.4

39 37.8 29.1 43.7



#56

1,3-Dichloropropane

Concen: 48.09 ug/l

RT: 8.80 min Scan# 839

Delta R.T. 0.01 min

Lab File: VF045410.D

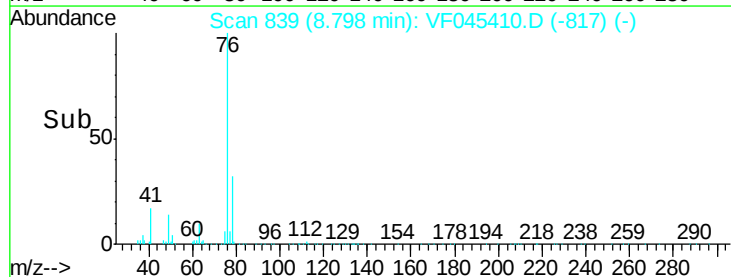
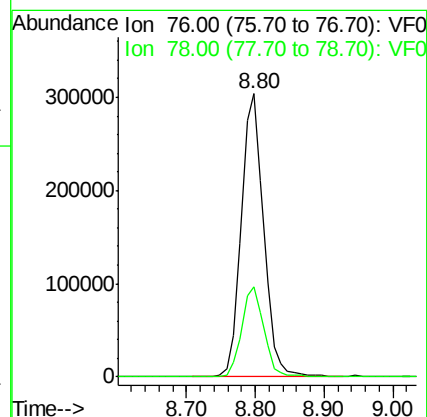
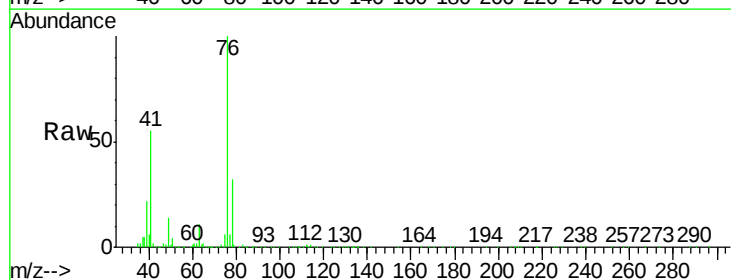
Acq: 17 Sep 2015 16:58

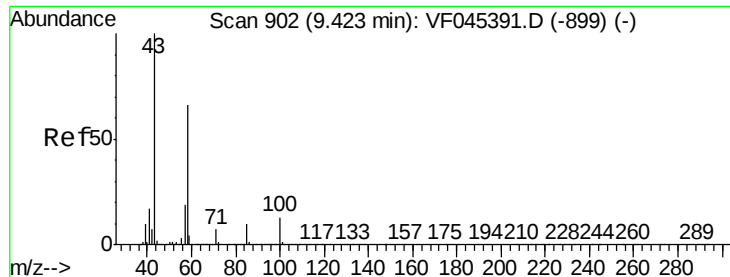
Tgt Ion: 76 Resp: 683734

Ion Ratio Lower Upper

76 100

78 31.7 26.1 39.1





#58

2-Hexanone

Concen: 233.16 ug/l

RT: 9.44 min Scan# 904

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

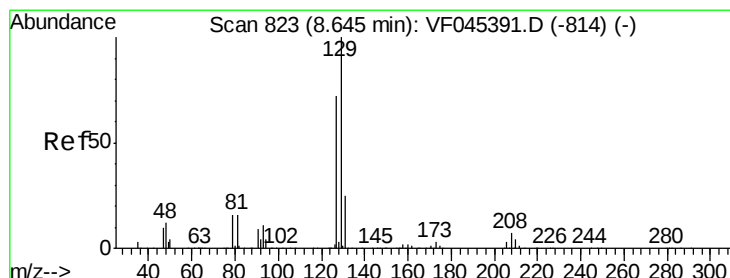
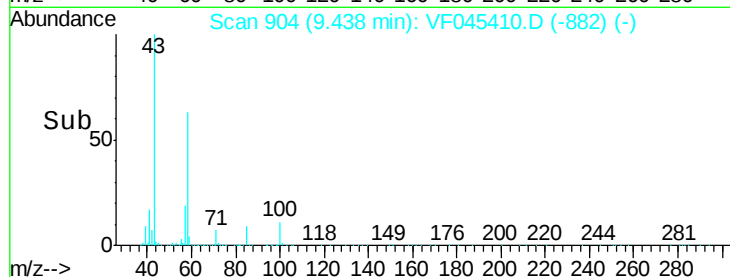
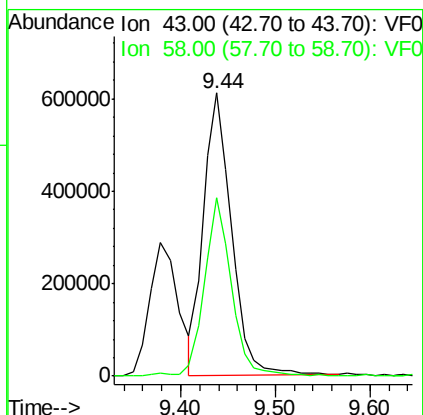
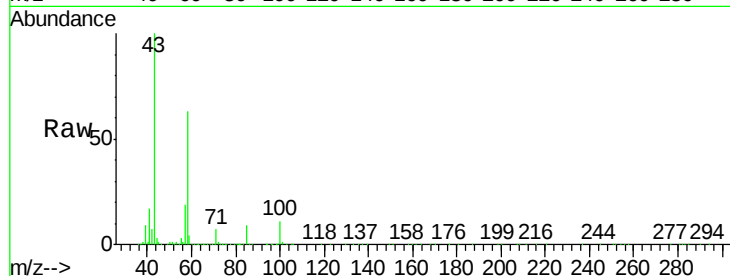
MGP209BR-29-30MSD

Tot Ion: 43 Resp: 1258617

Ion Ratio Lower Upper

43 100

58 62.9 28.8 86.5



#59

Dibromochloromethane

Concen: 46.72 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF045410.D

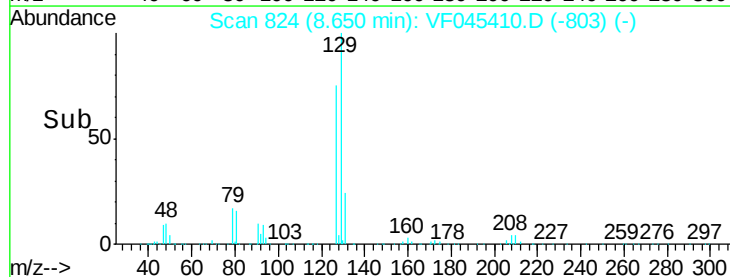
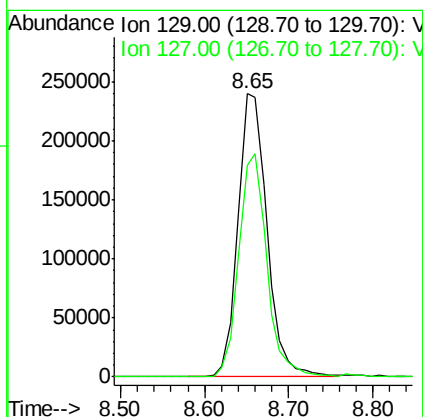
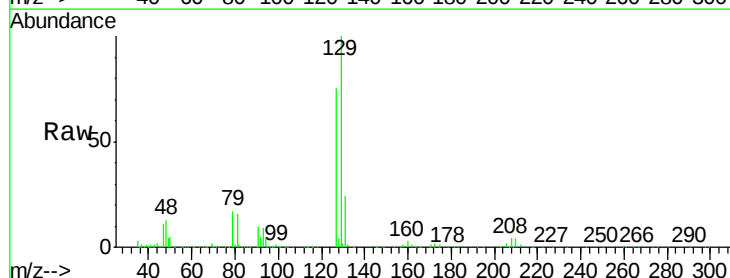
Acq: 17 Sep 2015 16:58

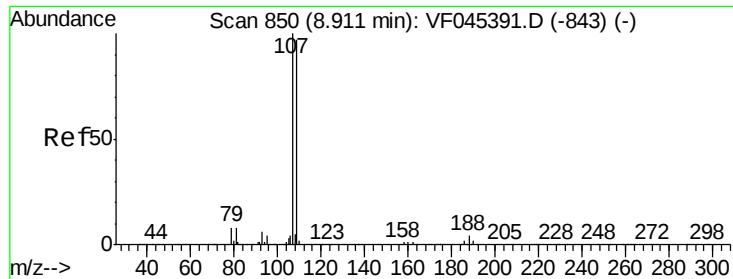
Tgt Ion: 129 Resp: 577172

Ion Ratio Lower Upper

129 100

127 74.7 38.2 114.6

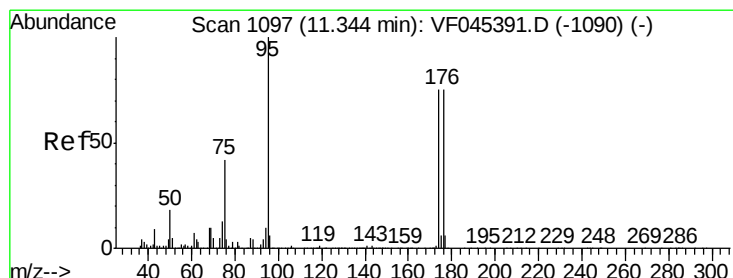
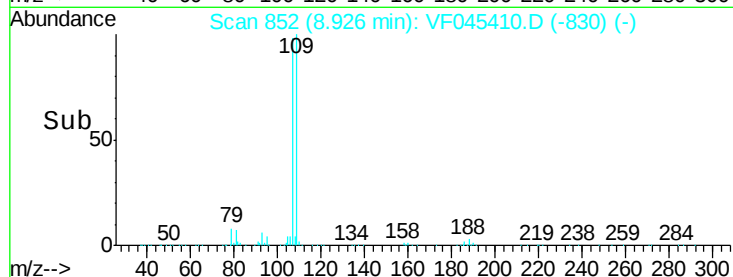
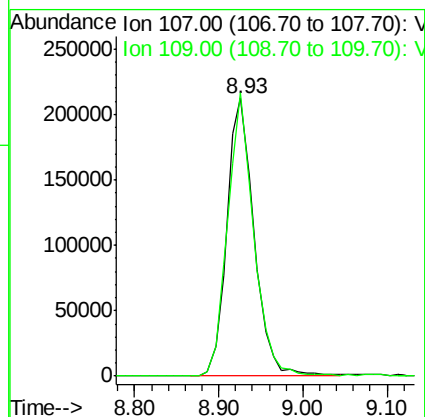
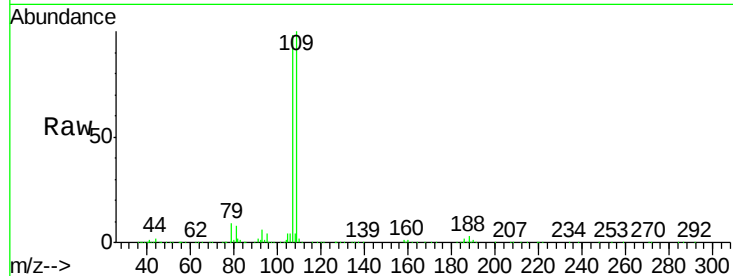




#60
 1,2-Dibromoethane
 Concen: 48.19 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

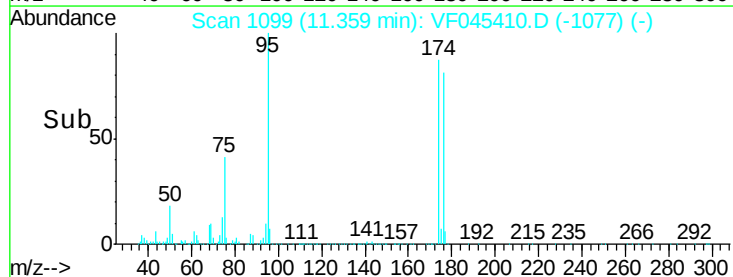
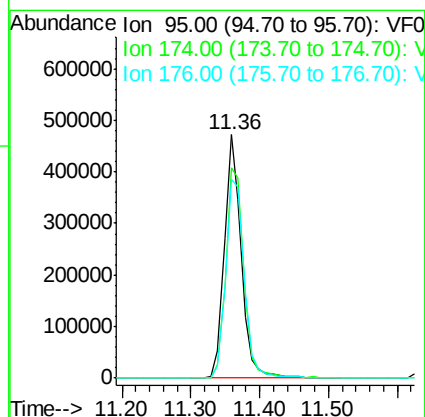
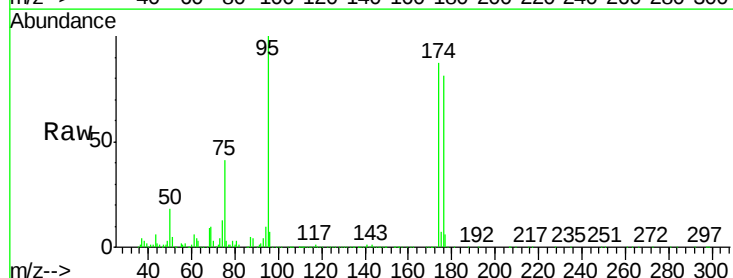
Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

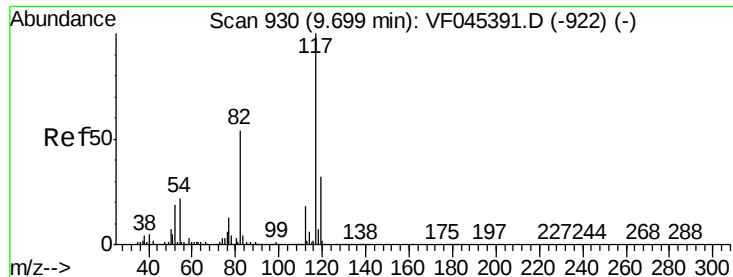
Tot Ion:107 Resp: 476690
 Ion Ratio Lower Upper
 107 100
 109 101.8 79.4 119.0



#61
 4-Bromofluorobenzene
 Concen: 48.44 ug/l
 RT: 11.36 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion: 95 Resp: 801349
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 177.8
 176 81.4 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 932

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

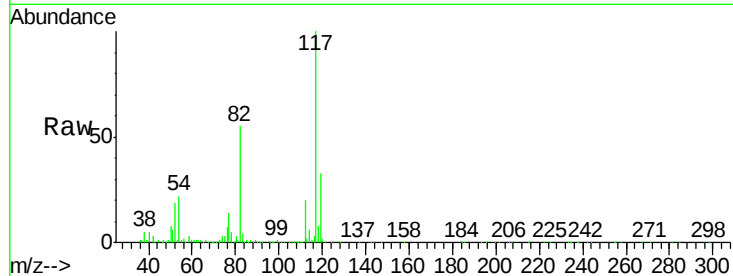
Tot Ion:117 Resp: 1482923

Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.6

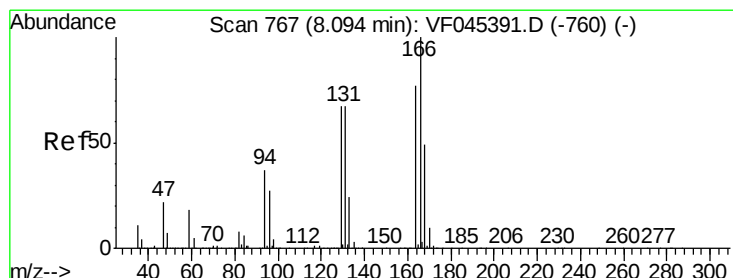
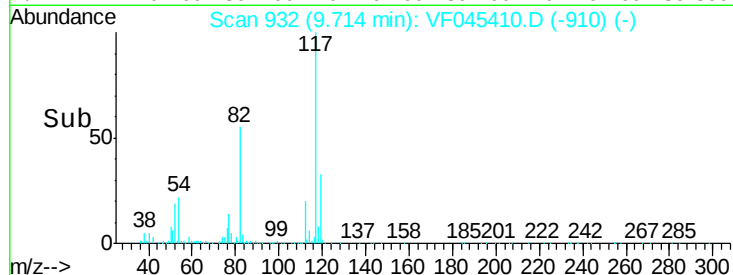
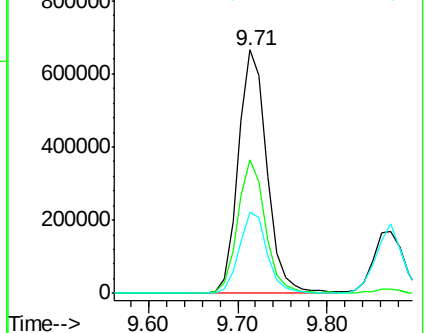
119 33.1 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 51.19 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.00 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:164 Resp: 603120

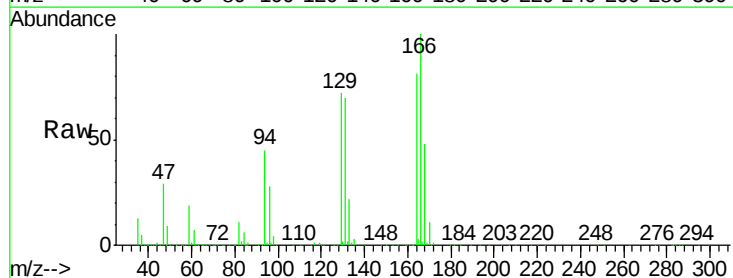
Ion Ratio Lower Upper

164 100

166 124.1 106.0 159.0

129 89.9 69.8 104.6

131 86.5 68.2 102.4

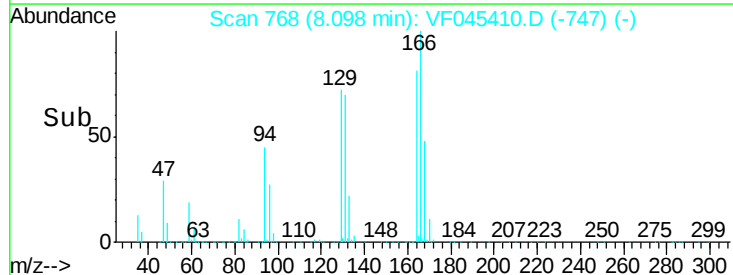
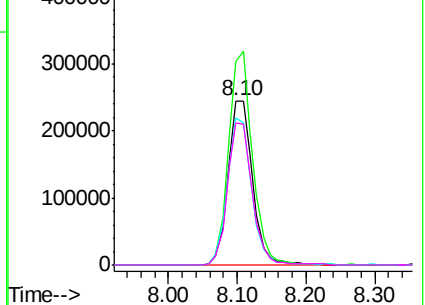


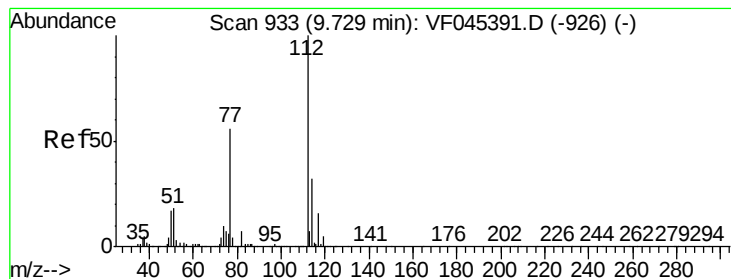
Abundance Ion 163.85 (163.55 to 164.55): V

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: 49.20 ug/l

RT: 9.74 min Scan# 935

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

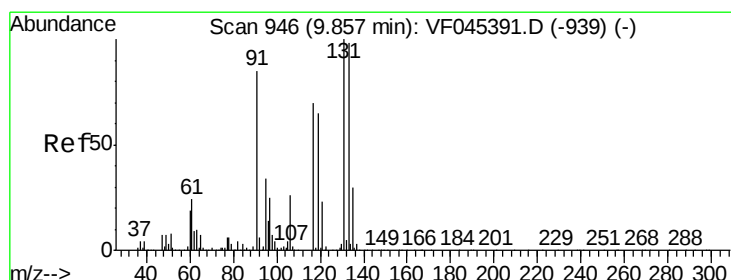
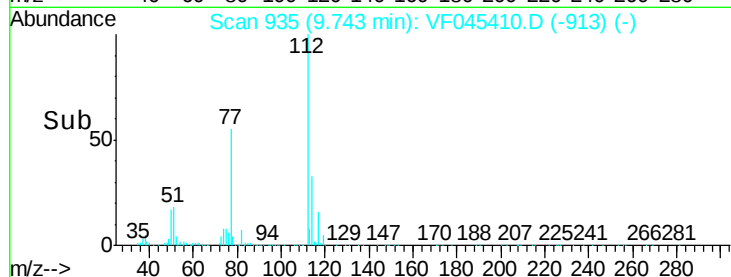
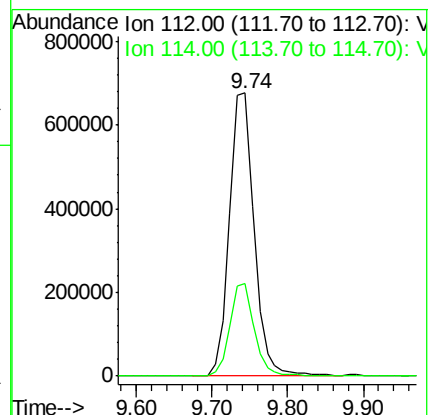
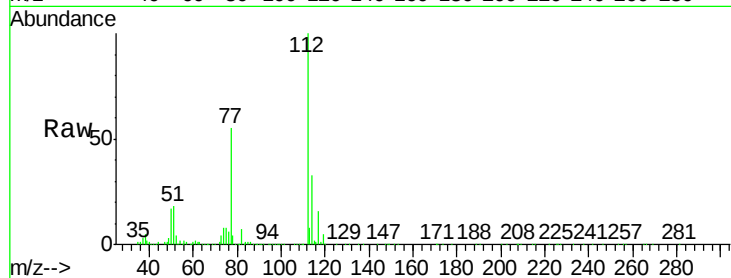
MGP209BR-29-30MSD

Tot Ion:112 Resp: 1530619

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



#65

1,1,1,2-Tetrachloroethane

Concen: 47.68 ug/l

RT: 9.87 min Scan# 948

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

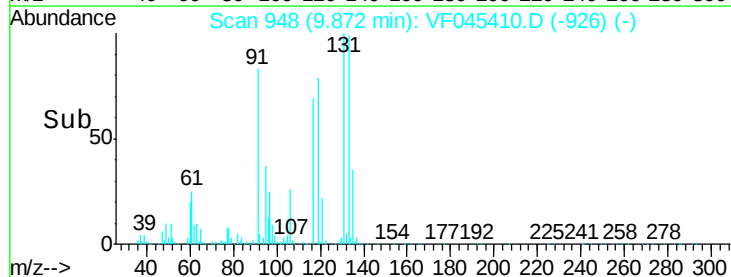
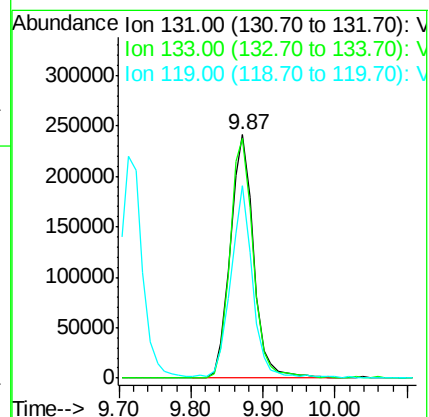
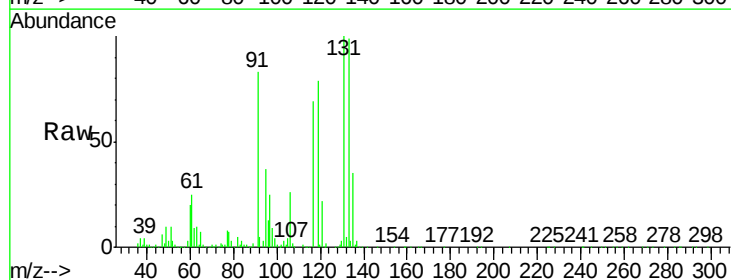
Tgt Ion:131 Resp: 542274

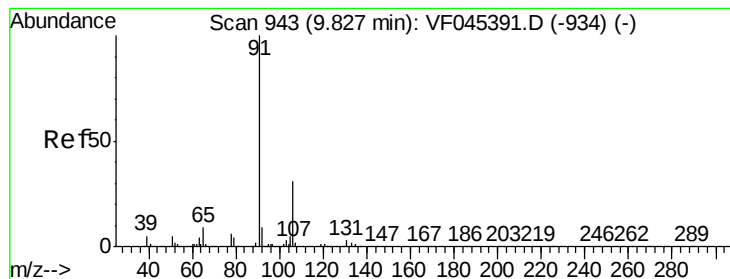
Ion Ratio Lower Upper

131 100

133 98.5 48.1 144.4

119 78.8 34.8 104.5





#66

Ethyl Benzene

Concen: 48.17 ug/l

RT: 9.84 min Scan# 945

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

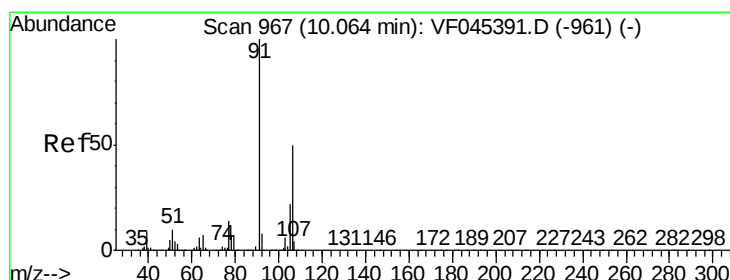
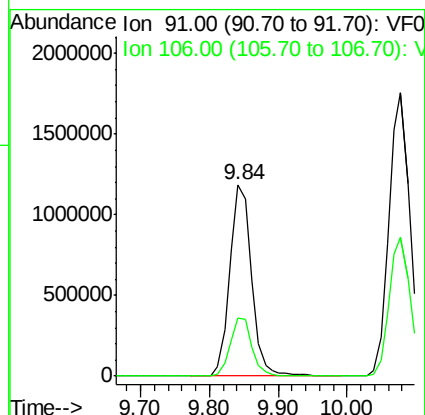
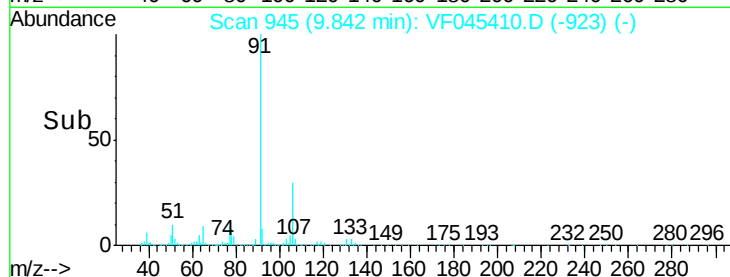
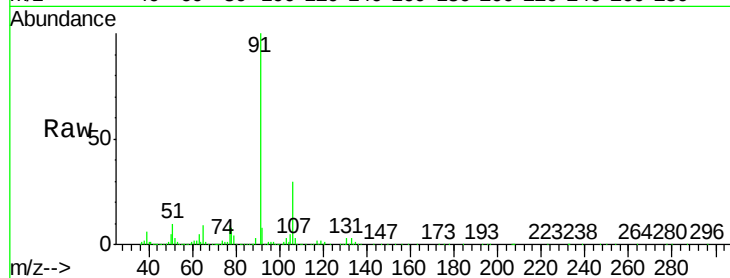
MGP209BR-29-30MSD

Tot Ion: 91 Resp: 2596895

Ion Ratio Lower Upper

91 100

106 30.2 23.6 35.4



#67

m/p-Xylenes

Concen: 96.36 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF045410.D

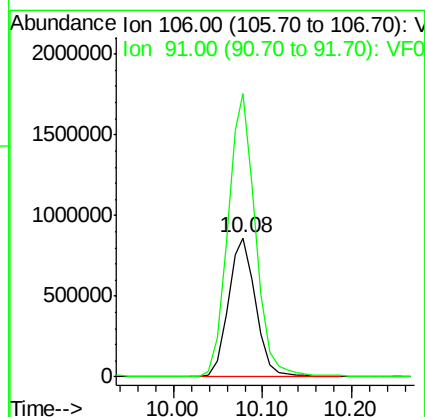
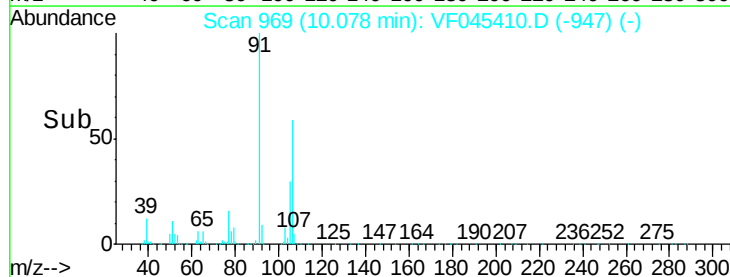
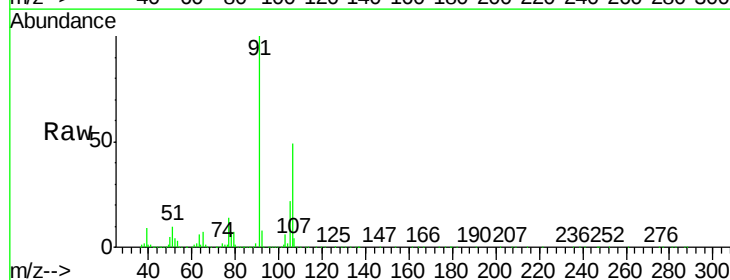
Acq: 17 Sep 2015 16:58

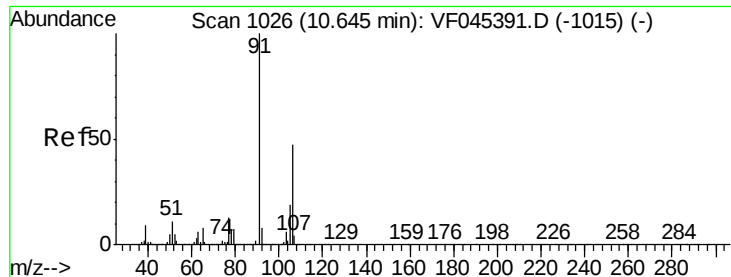
Tgt Ion: 106 Resp: 1861891

Ion Ratio Lower Upper

106 100

91 203.5 166.1 249.1

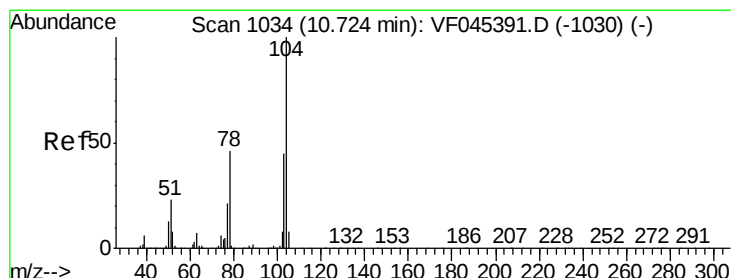
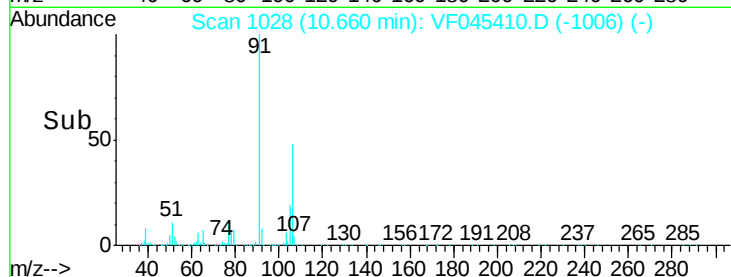
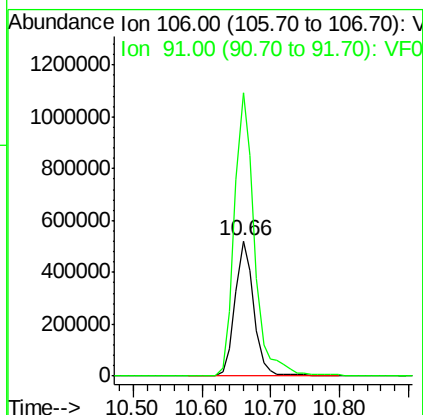
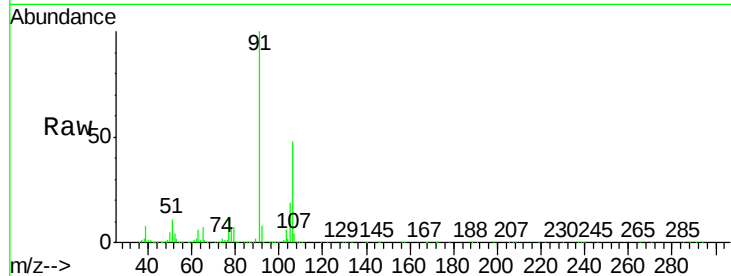




#68
o-Xylene
Concen: 49.04 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

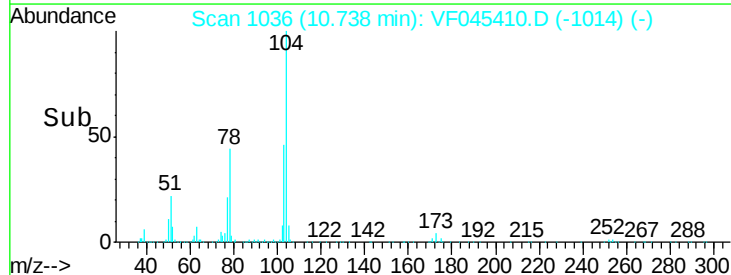
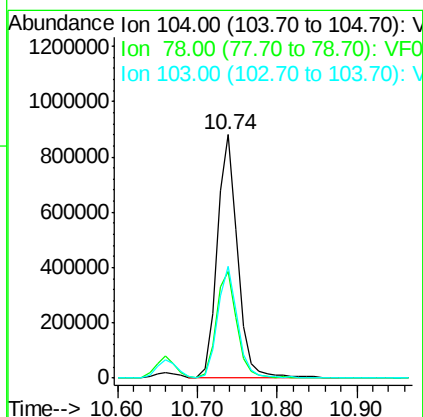
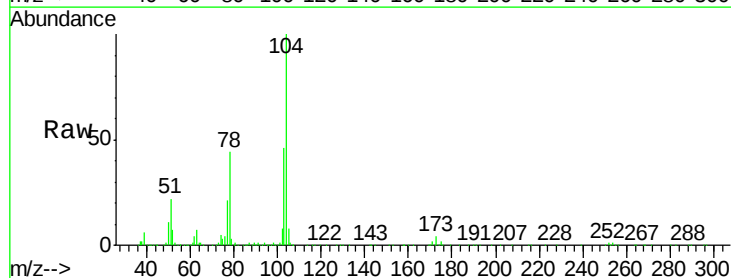
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

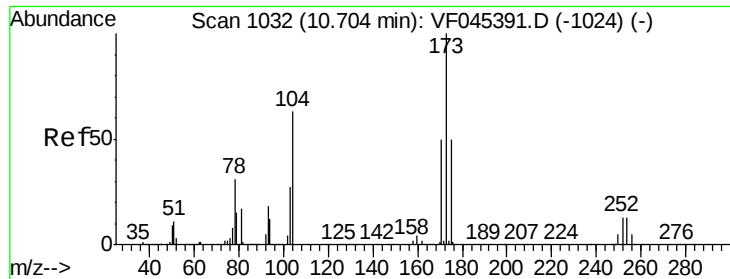
Tot Ion:106 Resp: 983498
Ion Ratio Lower Upper
106 100
91 208.8 108.1 324.2



#69
Styrene
Concen: 49.48 ug/l
RT: 10.74 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion:104 Resp: 1583849
Ion Ratio Lower Upper
104 100
78 44.1 34.2 51.4
103 45.8 36.7 55.1





#70

Bromoform

Concen: 46.11 ug/l

RT: 10.71 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

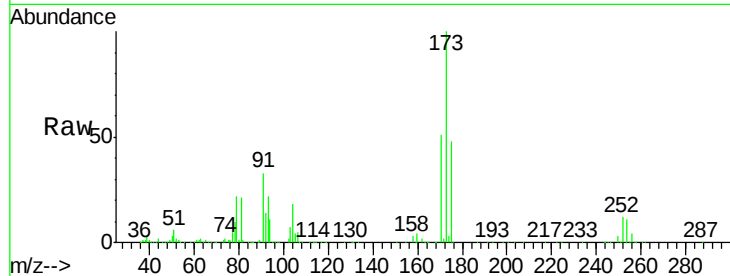
Tot Ion:173 Resp: 389156

Ion Ratio Lower Upper

173 100

175 48.1 25.7 77.0

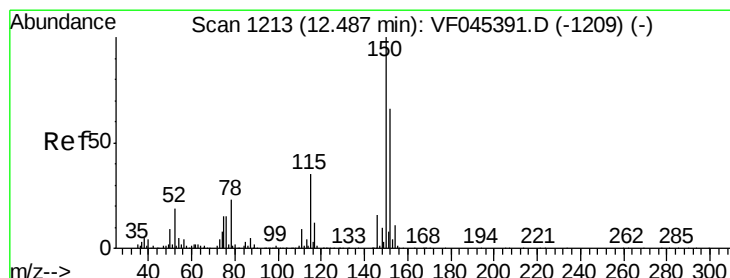
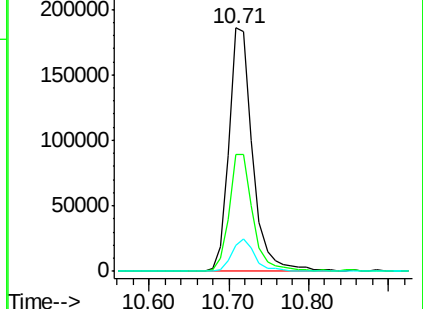
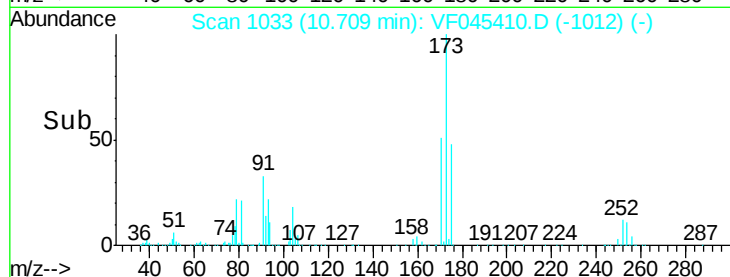
254 10.8 9.8 14.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

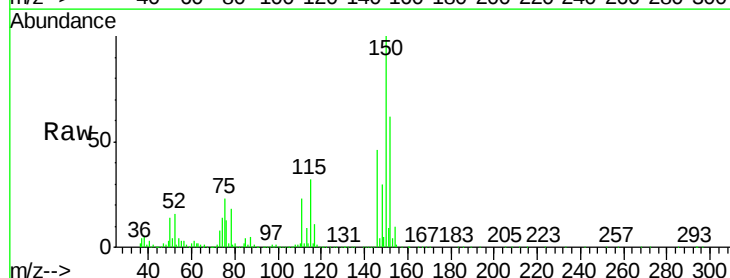
Tgt Ion:152 Resp: 815462

Ion Ratio Lower Upper

152 100

115 52.3 28.3 85.0

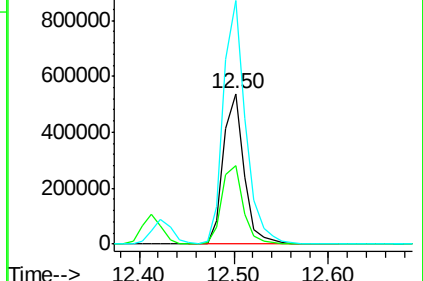
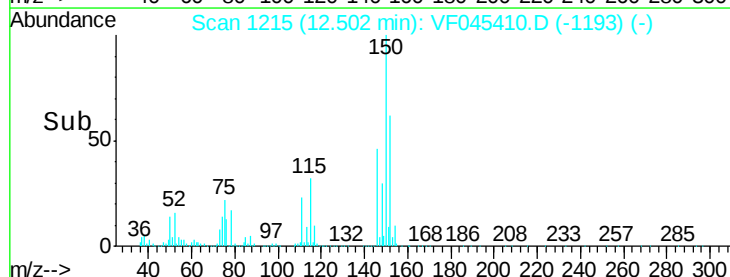
150 161.8 0.0 324.2

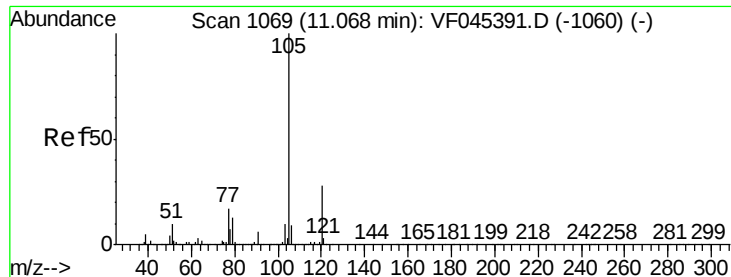


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 49.48 ug/l

RT: 11.08 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

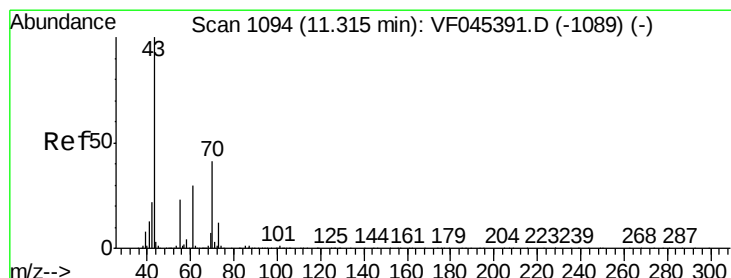
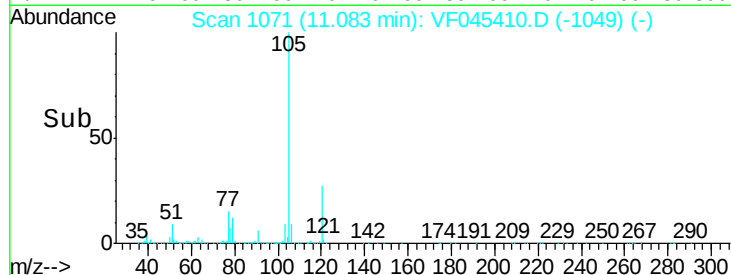
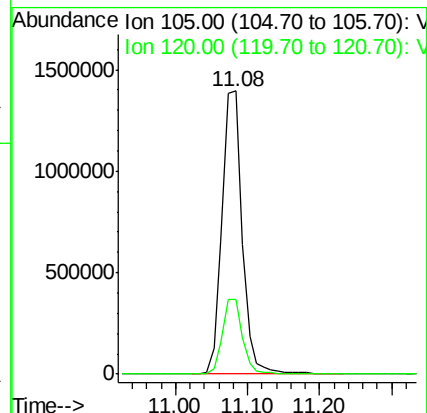
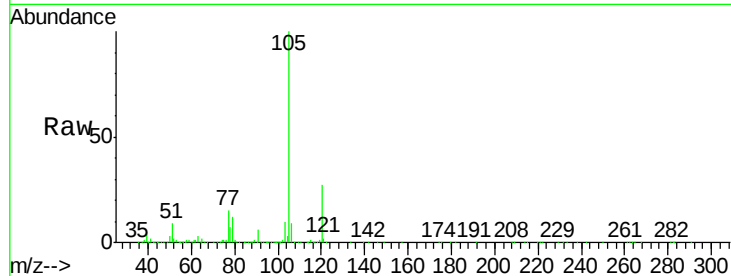
MGP209BR-29-30MSD

Tot Ion:105 Resp: 2703694

Ion Ratio Lower Upper

105 100

120 26.6 13.0 39.0



#73

N-ethyl acetate

Concen: 48.47 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion: 43 Resp: 734081

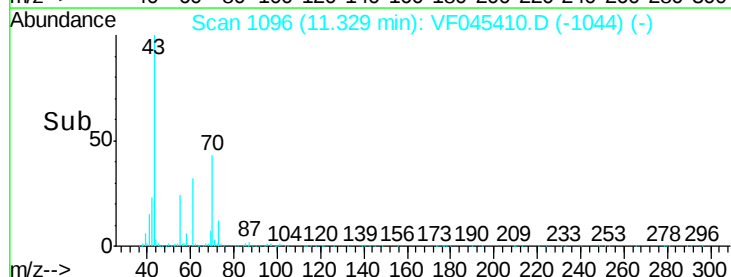
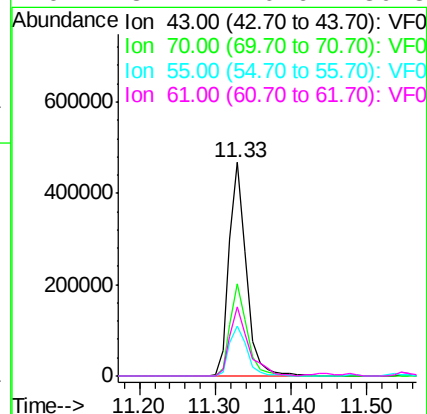
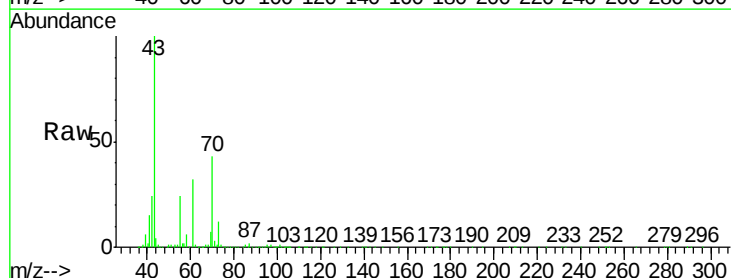
Ion Ratio Lower Upper

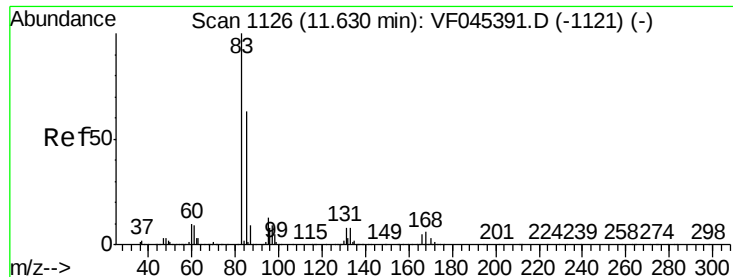
43 100

70 43.1 30.0 45.0

55 23.6 16.8 25.2

61 32.1 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 46.97 ug/l

RT: 11.64 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

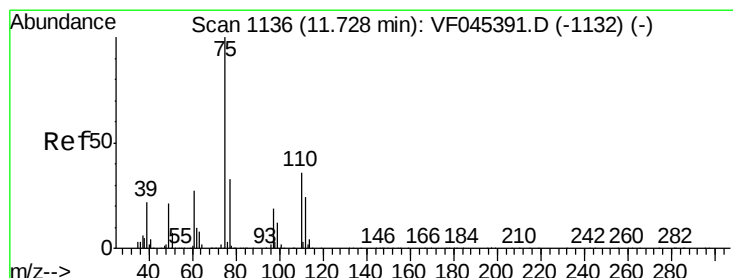
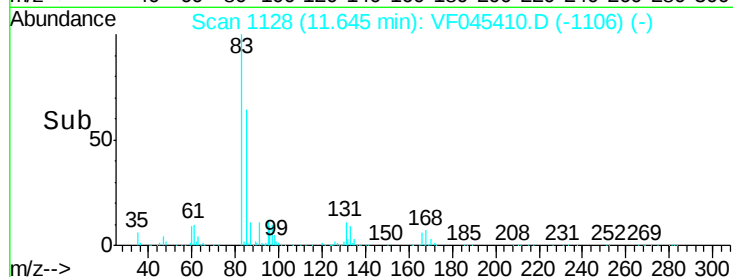
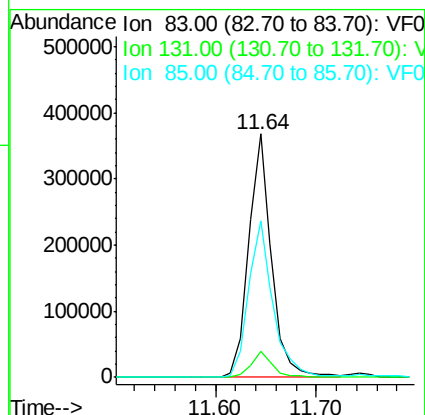
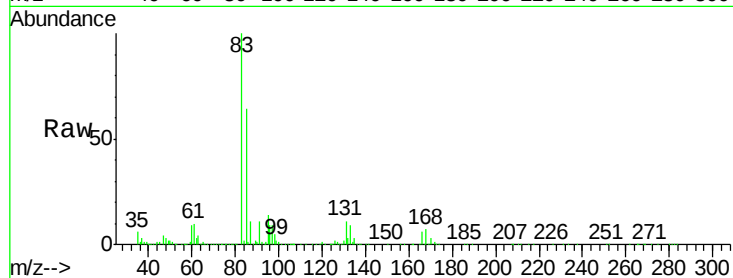
Tot Ion: 83 Resp: 581695

Ion Ratio Lower Upper

83 100

131 10.7 4.2 12.6

85 64.1 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 46.84 ug/l

RT: 11.74 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VF045410.D

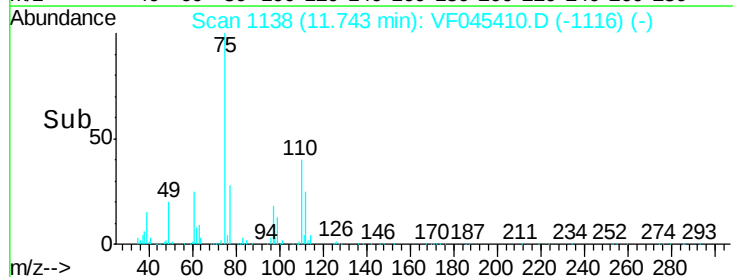
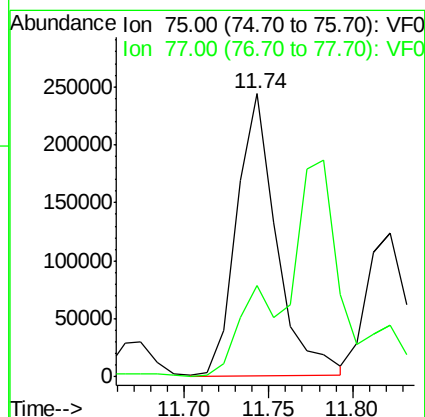
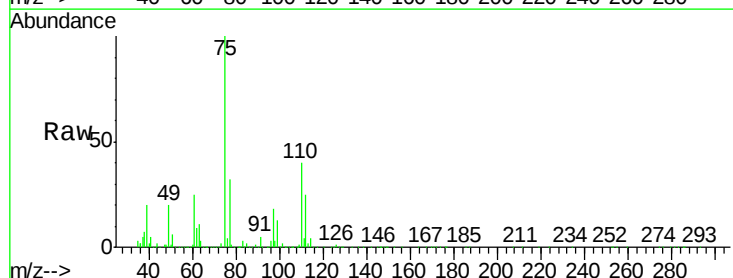
Acq: 17 Sep 2015 16:58

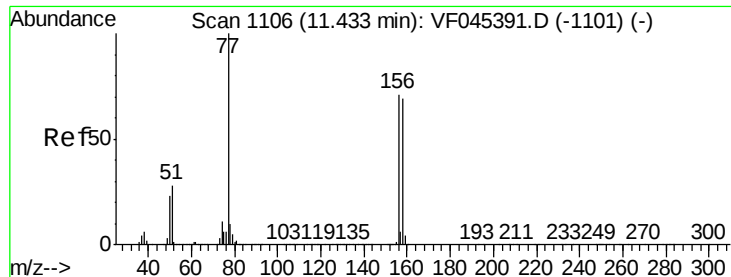
Tgt Ion: 75 Resp: 398854

Ion Ratio Lower Upper

75 100

77 32.4 15.0 45.1

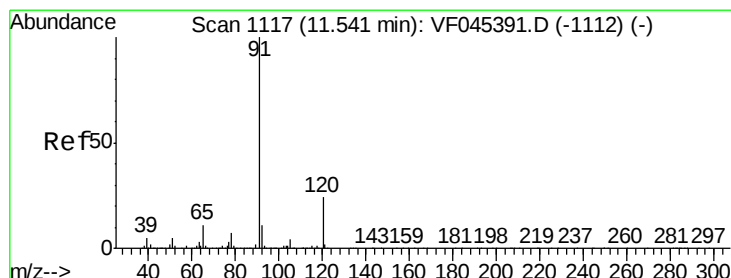
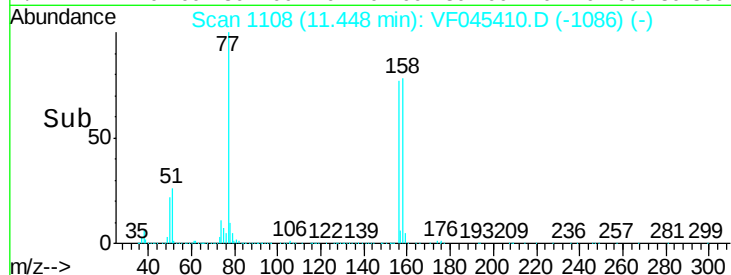
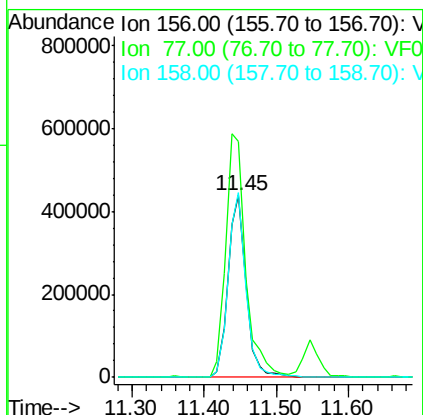
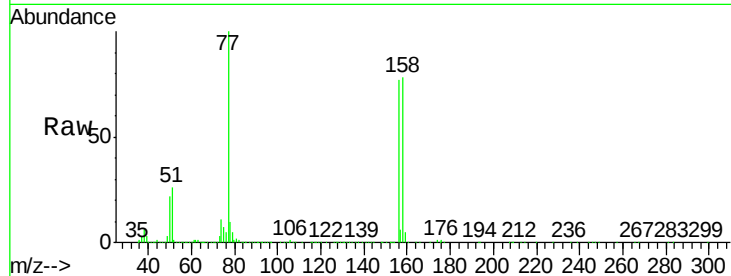




#76
Bromobenzene
Concen: 49.24 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

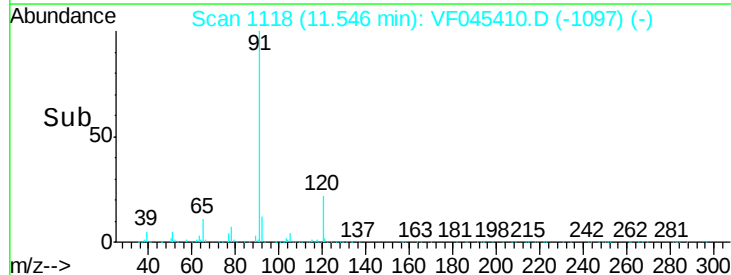
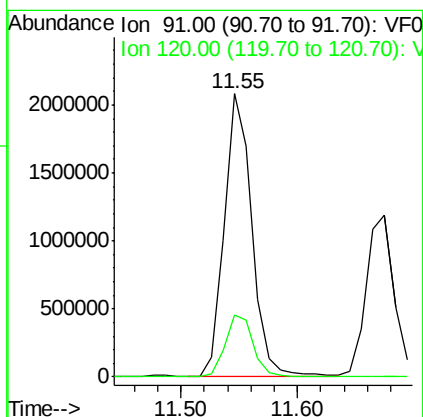
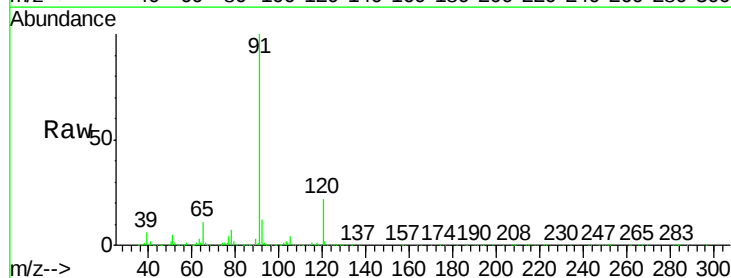
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

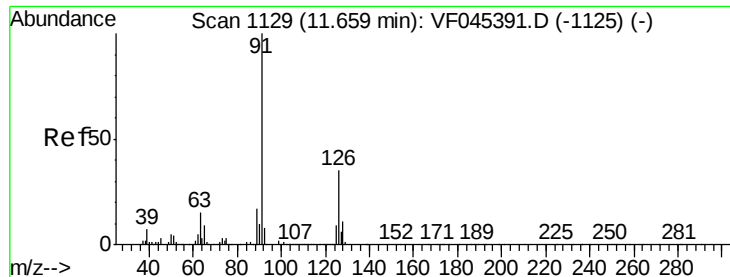
Tot Ion:156 Resp: 762904
Ion Ratio Lower Upper
156 100
77 129.5 74.8 224.3
158 101.6 49.5 148.7



#77
n-propylbenzene
Concen: 50.35 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion: 91 Resp: 3414513
Ion Ratio Lower Upper
91 100
120 21.9 11.6 34.7





#78

2-Chlorotoluene

Concen: 51.76 ug/l

RT: 11.67 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

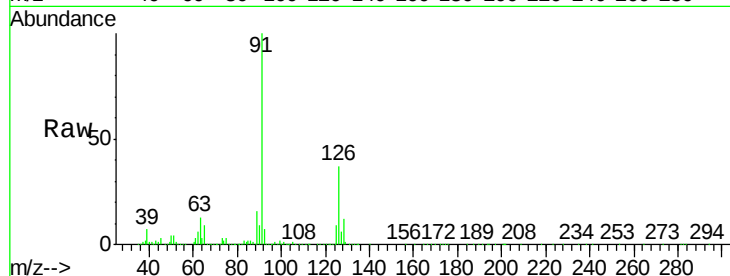
MGP209BR-29-30MSD

Tot Ion: 91 Resp: 1963834

Ion Ratio Lower Upper

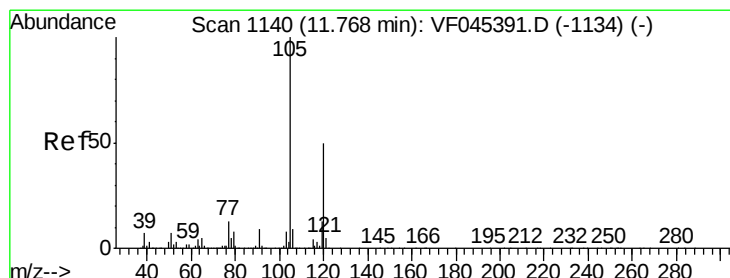
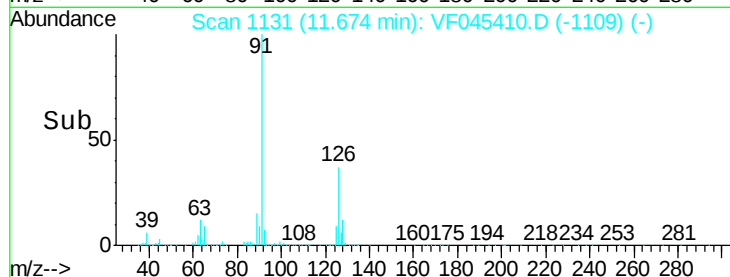
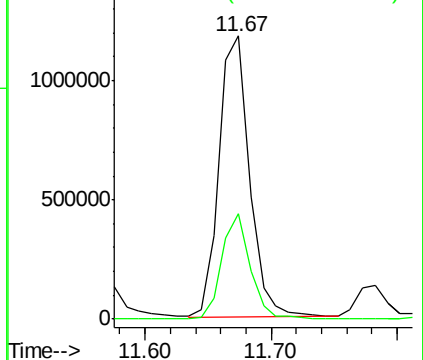
91 100

126 37.2 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#79

1,3,5-Trimethylbenzene

Concen: 50.59 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF045410.D

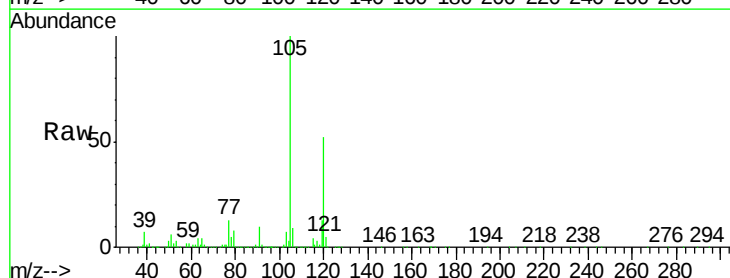
Acq: 17 Sep 2015 16:58

Tgt Ion:105 Resp: 2252583

Ion Ratio Lower Upper

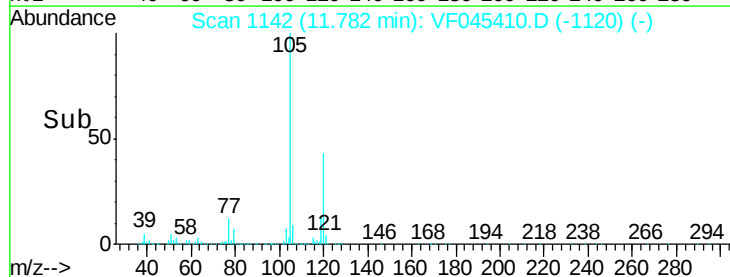
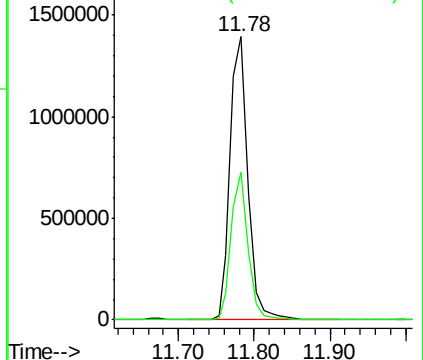
105 100

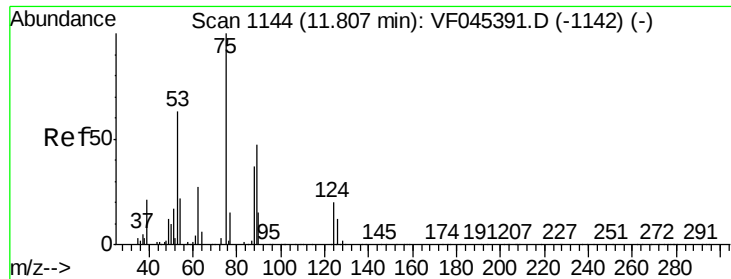
120 52.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#80

trans-1,4-Dichloro-2-butene

Concen: 58.02 ug/l

RT: 11.82 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

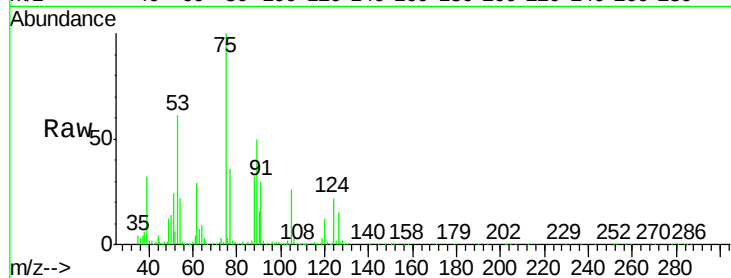
Tot Ion: 75 Resp: 264624

Ion Ratio Lower Upper

75 100

53 61.1 51.0 76.6

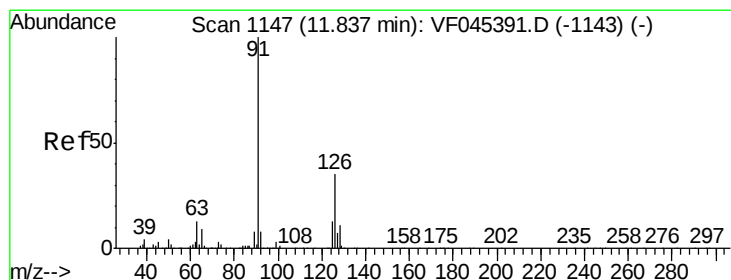
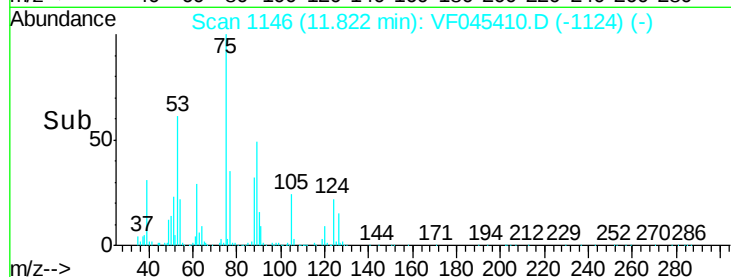
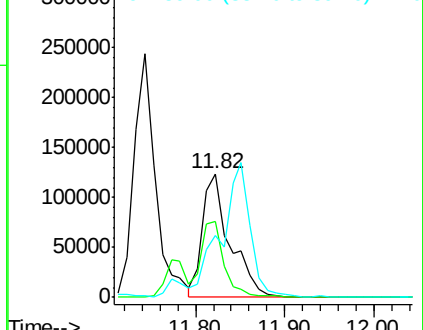
89 49.8 38.6 57.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#81

4-Chlorotoluene

Concen: 50.14 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VF045410.D

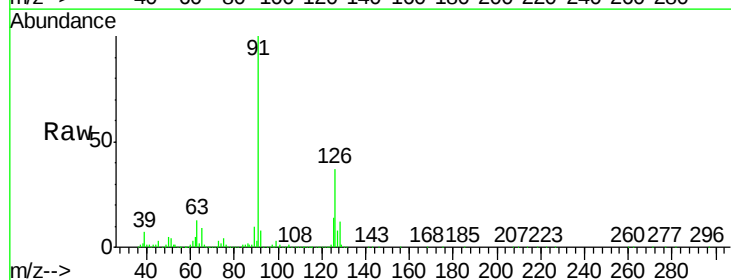
Acq: 17 Sep 2015 16:58

Tgt Ion: 91 Resp: 2102607

Ion Ratio Lower Upper

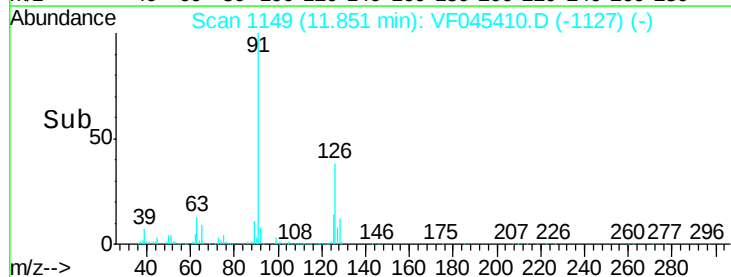
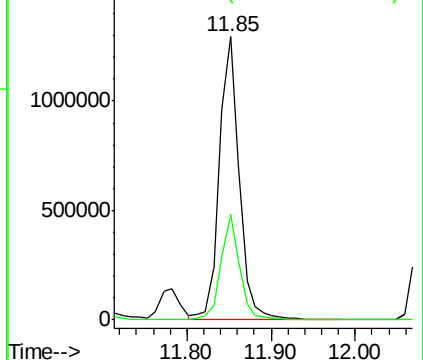
91 100

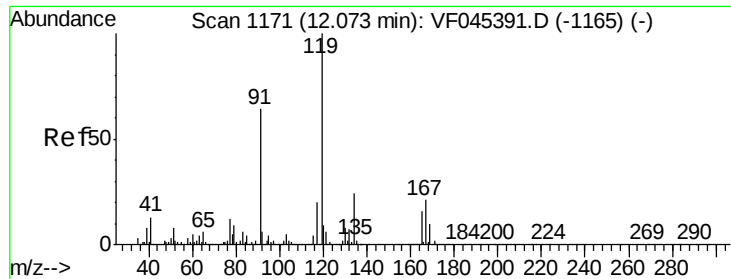
126 37.3 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#82

tert-Butylbenzene

Concen: 49.30 ug/l

RT: 12.09 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

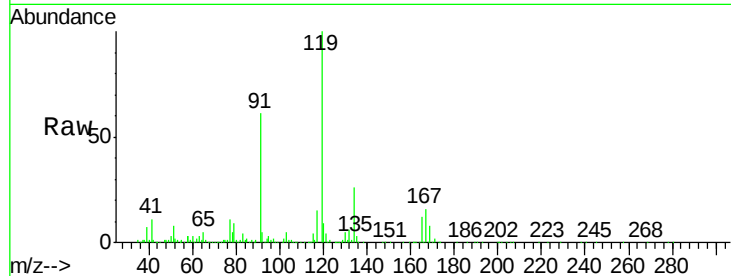
Tot Ion:119 Resp: 2170789

Ion Ratio Lower Upper

119 100

91 61.4 31.1 93.2

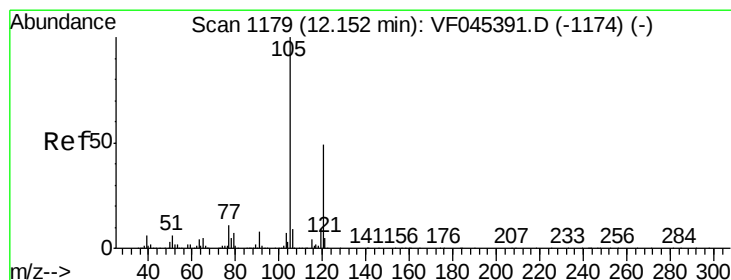
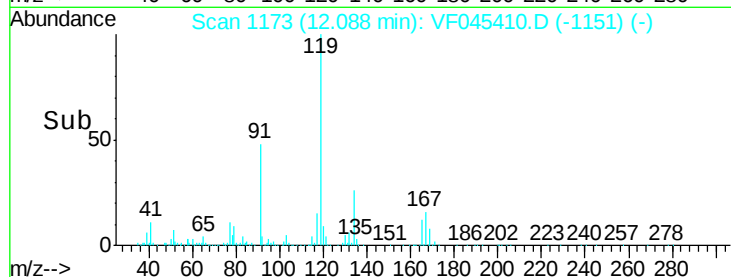
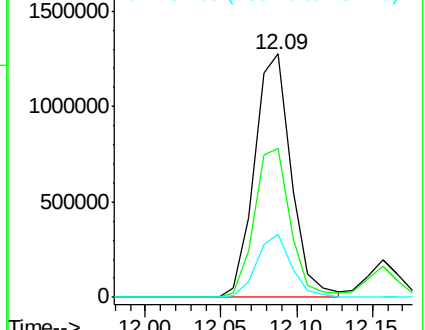
134 26.0 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#83

1,2,4-Trimethylbenzene

Concen: 50.03 ug/l

RT: 12.16 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VF045410.D

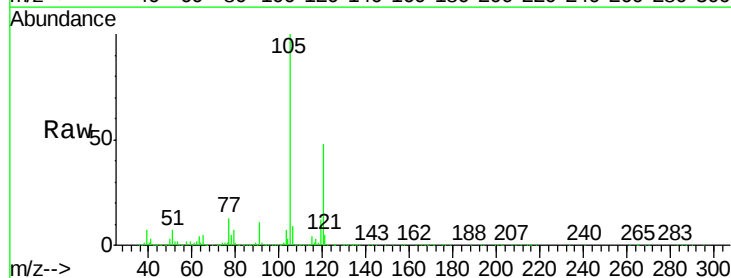
Acq: 17 Sep 2015 16:58

Tgt Ion:105 Resp: 2283974

Ion Ratio Lower Upper

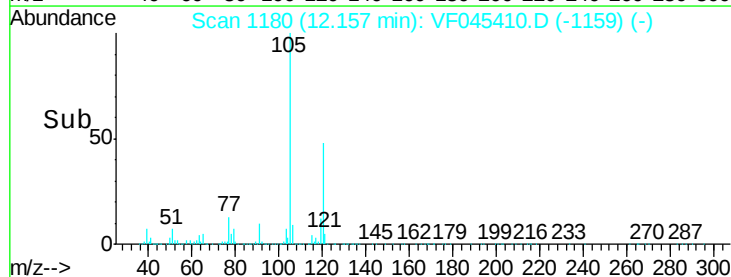
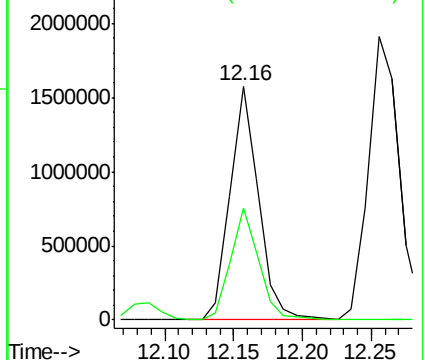
105 100

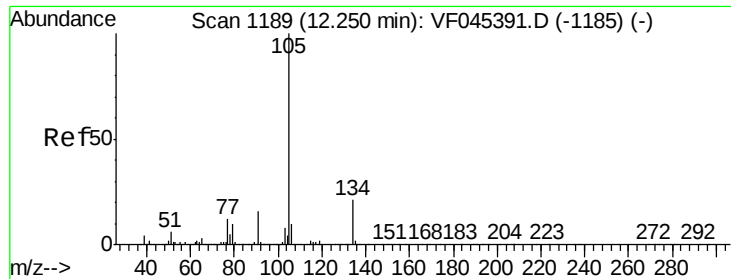
120 47.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

sec-Butylbenzene

Concen: 49.37 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

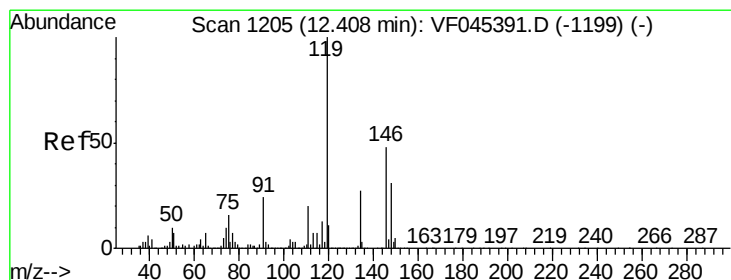
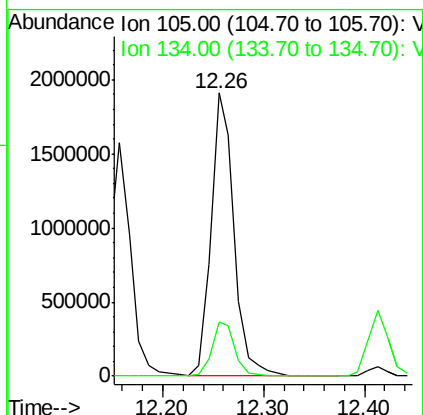
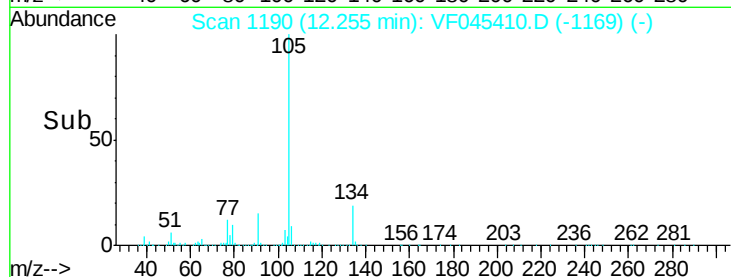
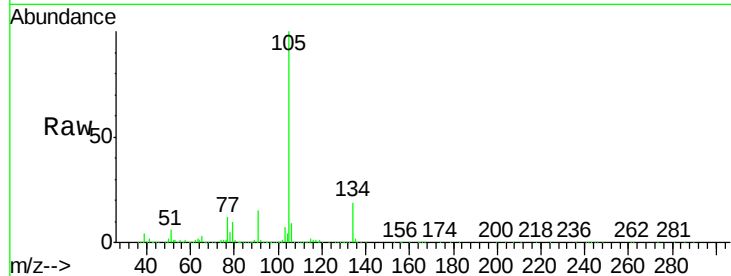
MGP209BR-29-30MSD

Tot Ion:105 Resp: 3022288

Ion Ratio Lower Upper

105 100

134 19.2 10.5 31.6



#85

p-Isopropyltoluene

Concen: 49.51 ug/l

RT: 12.41 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

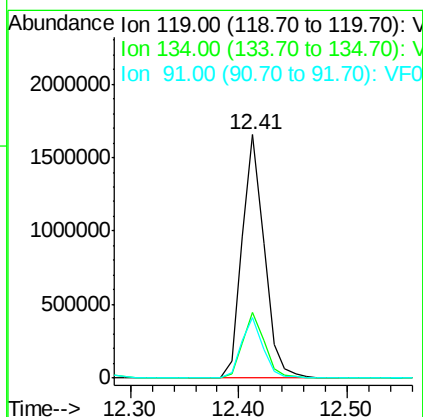
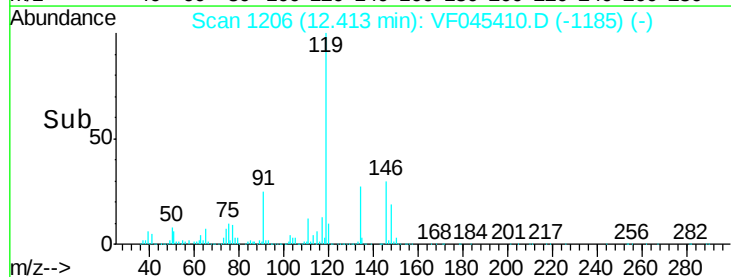
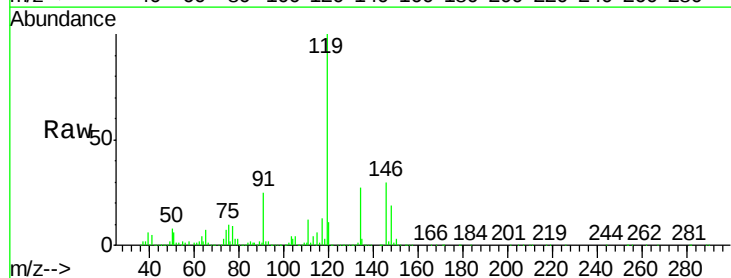
Tgt Ion:119 Resp: 2359550

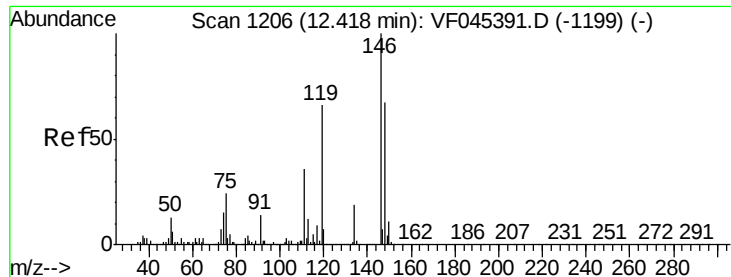
Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

91 24.7 12.2 36.6

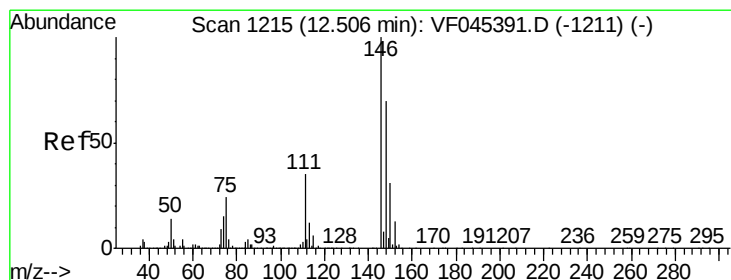
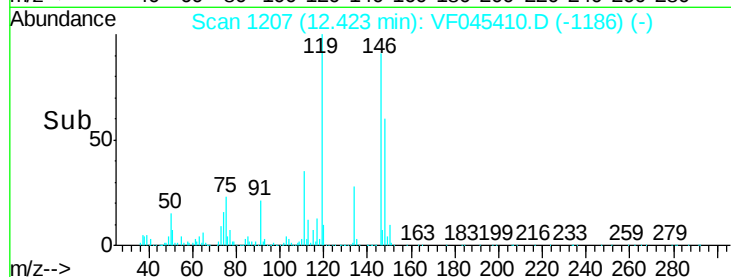
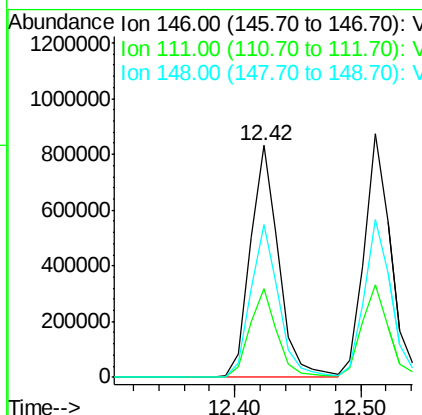
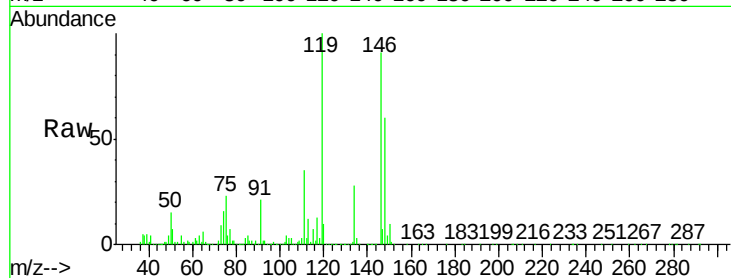




#86
 1,3-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 12.42 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

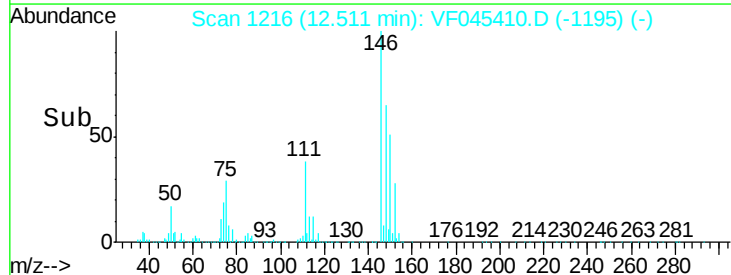
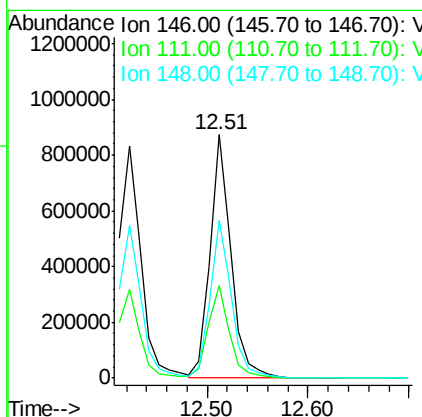
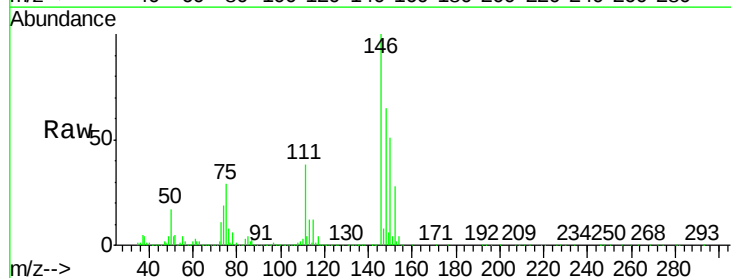
Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

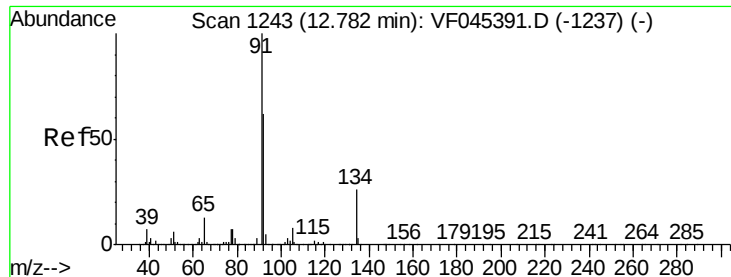
Tot Ion:146 Resp: 1300956
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.9 59.7
 148 65.8 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 48.53 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion:146 Resp: 1276303
 Ion Ratio Lower Upper
 146 100
 111 38.0 17.3 52.0
 148 65.0 32.4 97.0

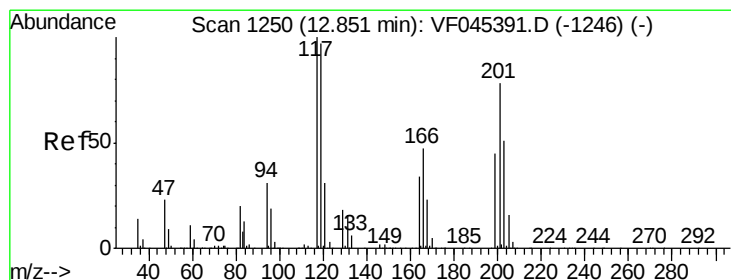
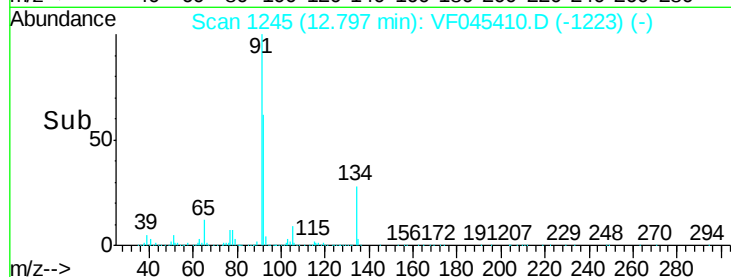
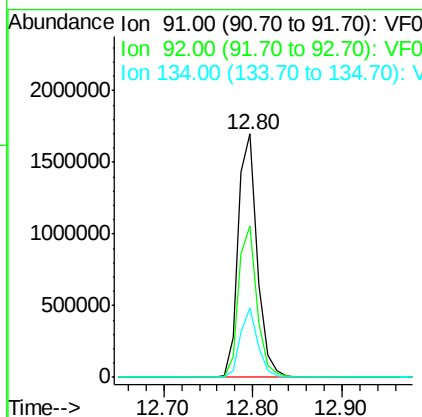
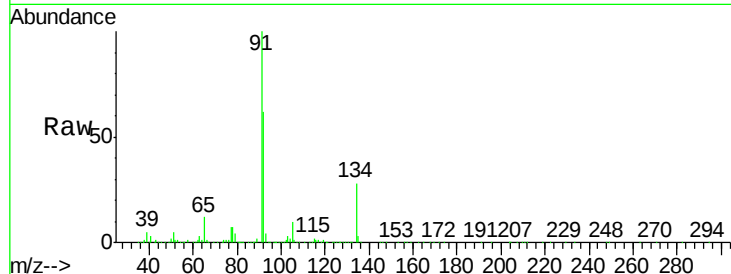




#88
n-Butylbenzene
Concen: 52.93 ug/l
RT: 12.80 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

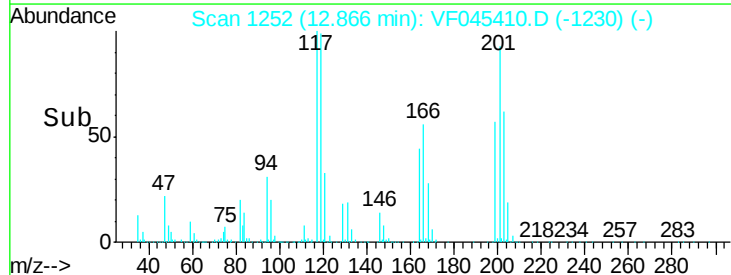
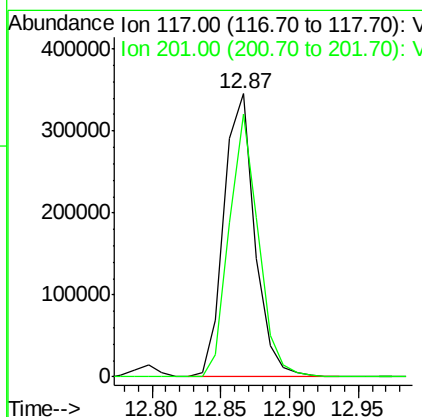
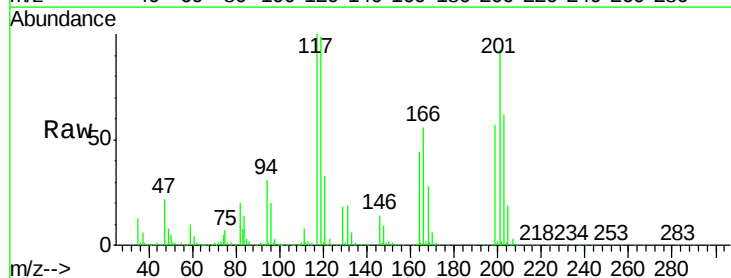
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

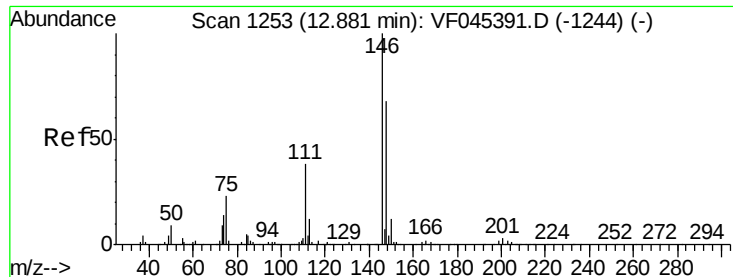
Tot Ion: 91 Resp: 2535738
Ion Ratio Lower Upper
91 100
92 62.2 30.1 90.5
134 28.4 13.8 41.4



#89
Hexachloroethane
Concen: 47.69 ug/l
RT: 12.87 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion: 117 Resp: 538010
Ion Ratio Lower Upper
117 100
201 92.7 42.0 126.1

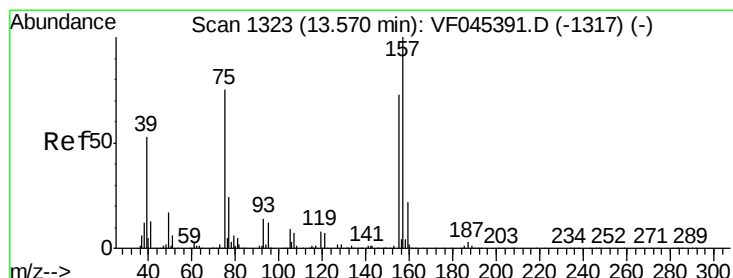
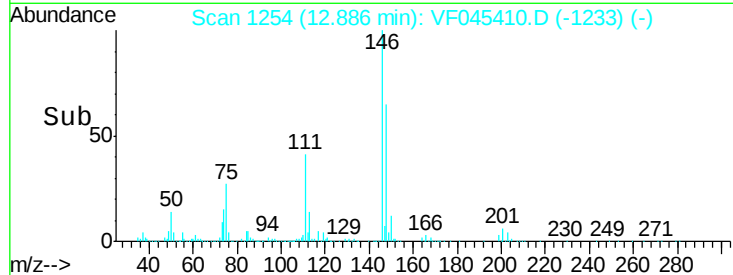
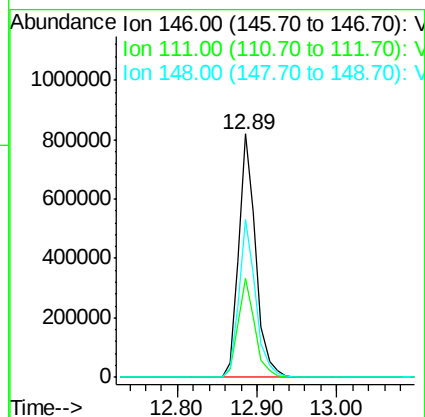
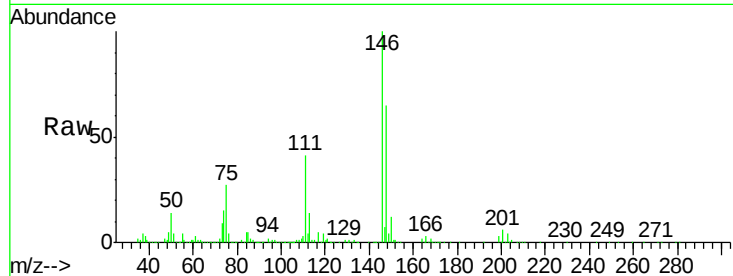




#90
 1,2-Dichlorobenzene
 Concen: 50.79 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

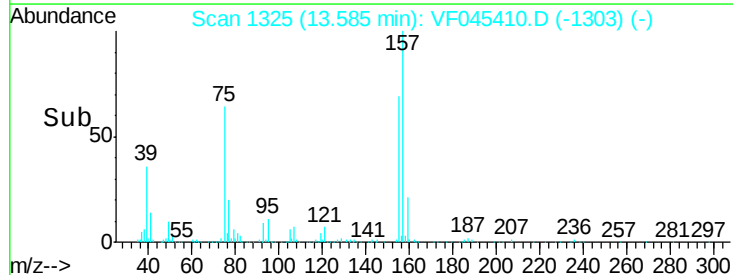
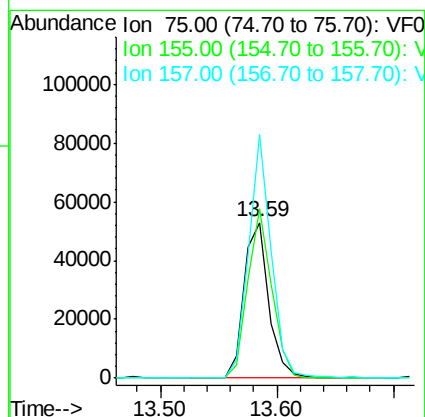
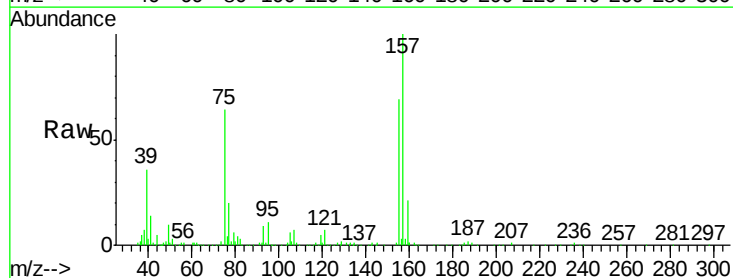
Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

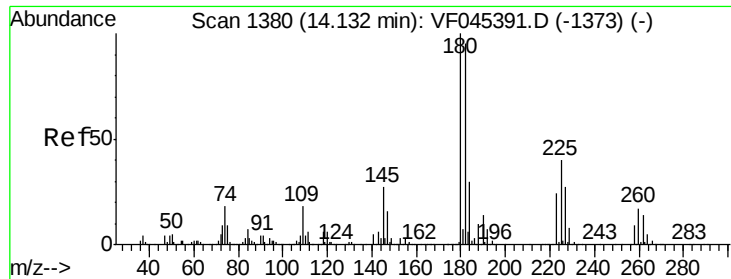
Tot Ion:146 Resp: 1230812
 Ion Ratio Lower Upper
 146 100
 111 40.9 21.4 64.3
 148 65.1 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 47.56 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion: 75 Resp: 78186
 Ion Ratio Lower Upper
 75 100
 155 108.7 49.2 147.6
 157 156.6 66.8 200.4

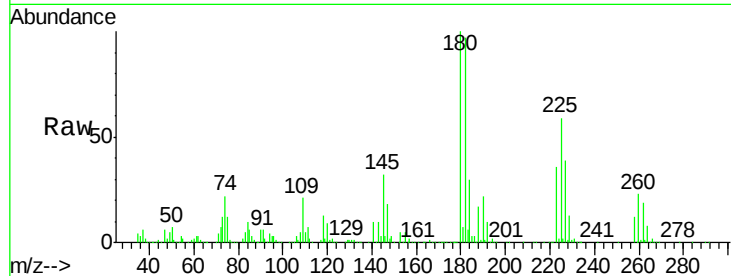




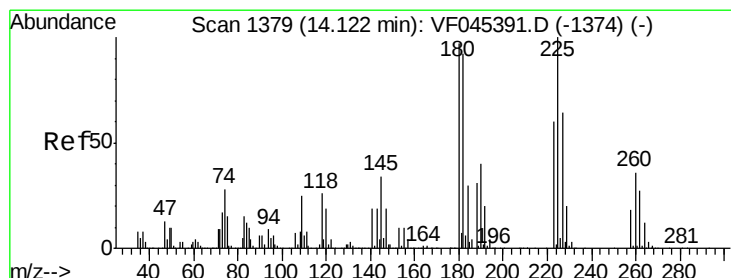
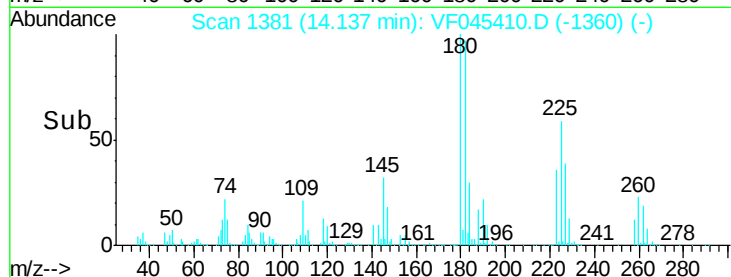
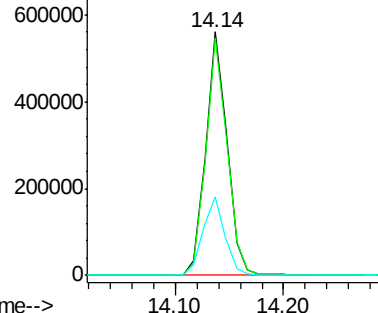
#92
 1,2,4-Trichlorobenzene
 Concen: 55.24 ug/l
 RT: 14.14 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Tot Ion:180 Resp: 774497
 Ion Ratio Lower Upper
 180 100
 182 97.3 49.4 148.0
 145 32.0 16.7 50.1

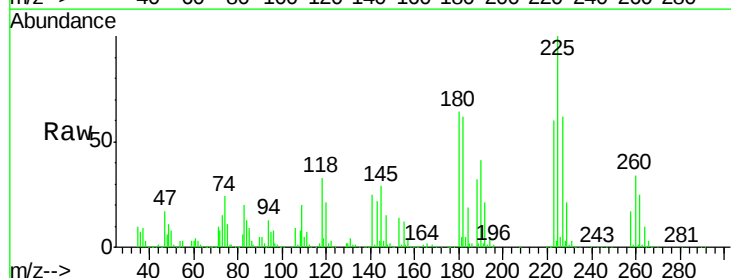


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

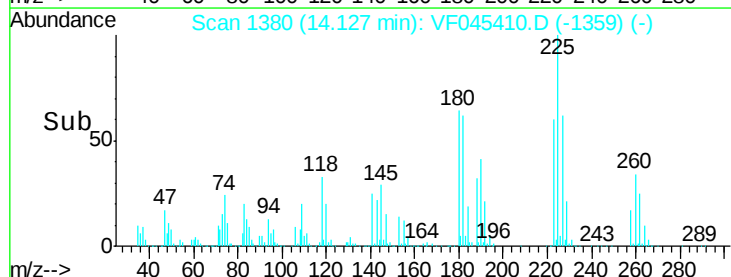
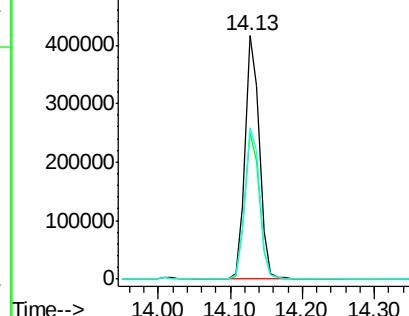


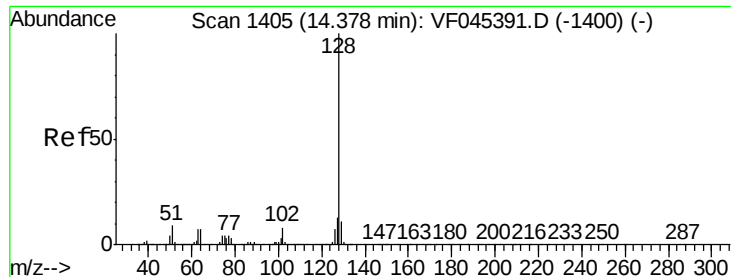
#93
 Hexachlorobutadiene
 Concen: 54.68 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion:225 Resp: 582318
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.9 95.5
 227 62.4 32.9 98.7



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





#94

Naphthalene

Concen: 49.45 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

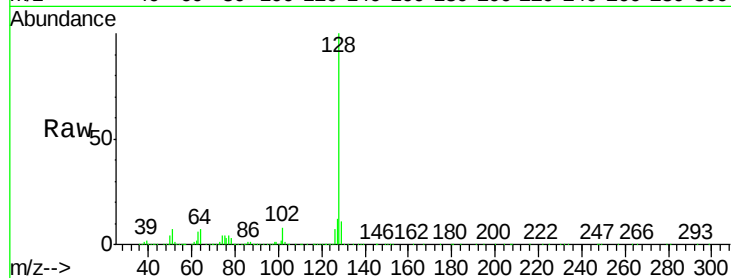
Tot Ion:128 Resp: 1308861

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

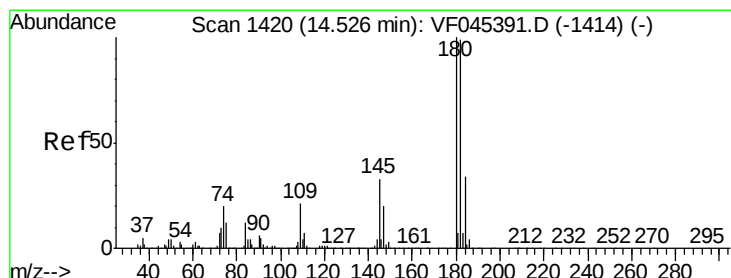
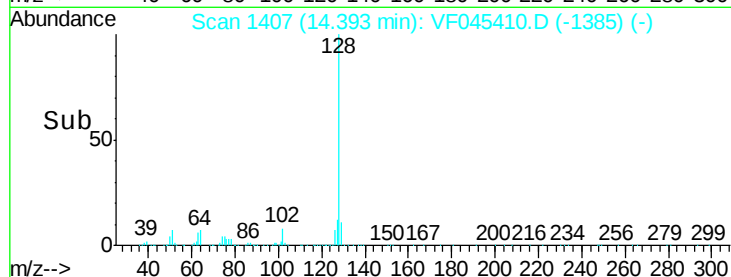
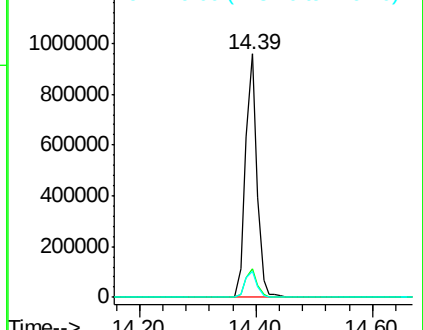
129 10.6 8.8 13.2



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: 58.75 ug/l

RT: 14.54 min Scan# 1422

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

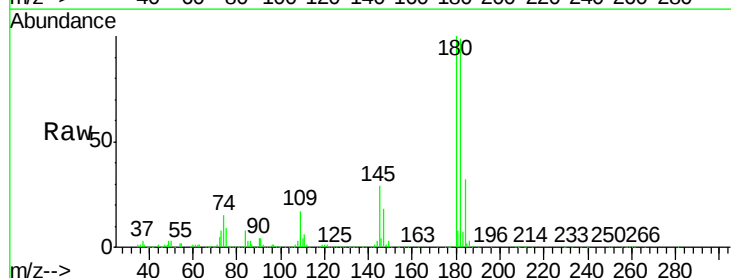
Tgt Ion:180 Resp: 676744

Ion Ratio Lower Upper

180 100

182 98.7 47.6 142.8

145 29.0 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

