

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

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:28:55 PM

Quant Time: Sep 18 03:51:07 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	445037	52.01	ug/l	98
3) Chloromethane	1.03	50	364165	49.71	ug/l	94
4) Vinyl Chloride	1.10	62	329376	52.46	ug/l	94
5) Bromomethane	1.26	94	202847	52.03	ug/l	99
6) Chloroethane	1.33	64	153967	61.54	ug/l	89
7) Trichlorofluoromethane	1.40	101	716797m	55.64	ug/l	
8) Diethyl Ether	1.60	74	138526	51.44	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.79	101	394363	53.19	ug/l	98
10) Methyl Iodide	1.82	142	753825	49.72	ug/l	95
11) Tert butyl alcohol	2.51	59	15842	130.67	ug/l #	65
12) 1,1-Dichloroethene	1.72	96	322114	52.30	ug/l	94
13) Acrolein	1.97	56	109819	218.61	ug/l	94
14) Allyl chloride	2.06	41	501342	52.46	ug/l	99
15) Acrylonitrile	2.89	53	241725	208.63	ug/l	93
16) Acetone	2.19	43	529972	216.38	ug/l	97
17) Carbon Disulfide	1.74	76	1074308	51.19	ug/l	99
18) Methyl Acetate	2.31	43	395547	42.10	ug/l	94
19) Methyl tert-butyl Ether	2.39	73	195629	40.37	ug/l	98
20) Methylene Chloride	2.14	84	349679	52.83	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	350698	50.79	ug/l	89
22) Diisopropyl ether	2.75	45	1010171	49.59	ug/l	98
23) Vinyl Acetate	3.14	43	1416577	238.25	ug/l	98
24) 1,1-Dichloroethane	2.83	63	728889	52.87	ug/l	99
25) 2-Butanone	4.27	43	703920	205.45	ug/l	99
26) 2,2-Dichloropropane	3.55	77	676768	52.71	ug/l	93
27) cis-1,2-Dichloroethene	3.42	96	547935	51.38	ug/l	96
28) Bromochloromethane	3.66	49	217984	40.26	ug/l #	90
29) Chloroform	3.81	83	1020655	52.66	ug/l	98
30) Cyclohexane	3.65	56	668805	53.76	ug/l	99
31) 1,1,1-Trichloroethane	4.04	97	831805	51.81	ug/l	98
35) 1,1-Dichloropropene	4.23	75	739398	53.68	ug/l	95
36) Ethyl Acetate	4.05	43	290455	41.67	ug/l #	1
37) Carbon Tetrachloride	3.94	117	782171	53.90	ug/l	97
38) Methylcyclohexane	5.41	83	818054	55.25	ug/l	92

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.59	78	1758867	54.62	ug/l	97
40) Methacrylonitrile	4.69	41	134983	40.91	ug/l	91
41) 1,2-Dichloroethane	4.89	62	613794	47.25	ug/l	95
42) Isopropyl Acetate	6.91	43	422502	46.01	ug/l #	98
43) Trichloroethene	5.46	130	620633	56.43	ug/l	97
44) 1,2-Dichloropropane	6.19	63	503515	53.66	ug/l	97
45) Dibromomethane	6.03	93	339216	50.81	ug/l	97
46) Bromodichloromethane	6.34	83	777884	52.03	ug/l	97
47) Methyl methacrylate	6.67	41	257231	46.15	ug/l	91
48) 1,4-Dioxane	6.65	88	40950	613.34	ug/l #	84
50) 4-Methyl-2-Pentanone	8.21	43	1452925	222.51	ug/l	95
51) Toluene	7.58	92	1357445	54.70	ug/l	97
52) t-1,3-Dichloropropene	8.23	75	711678	52.96	ug/l	100
53) cis-1,3-Dichloropropene	7.25	75	811139	51.11	ug/l	96
54) 1,1,2-Trichloroethane	8.44	97	403074	48.03	ug/l	94
55) Ethyl methacrylate	8.57	69	526141	48.19	ug/l	95
56) 1,3-Dichloropropane	8.80	76	666111	48.66	ug/l	99
58) 2-Hexanone	9.44	43	1191699	229.29	ug/l	97
59) Dibromochloromethane	8.66	129	587809	49.42	ug/l	99
60) 1,2-Dibromoethane	8.93	107	478542	50.24	ug/l	99
63) Tetrachloroethene	8.10	164	599565	56.88	ug/l	97
64) Chlorobenzene	9.74	112	1574564	56.57	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.87	131	539584	53.03	ug/l	97
66) Ethyl Benzene	9.85	91	2672028	55.40	ug/l	99
67) m/p-Xylenes	10.08	106	1956289	113.17	ug/l	90
68) o-Xylene	10.66	106	1044017	58.18	ug/l	96
69) Styrene	10.74	104	1596408	55.74	ug/l	99
70) Bromoform	10.71	173	375872	49.78	ug/l	98
72) Isopropylbenzene	11.08	105	2806523	54.76	ug/l	99
73) N-amyl acetate	11.33	43	710481	50.02	ug/l #	85
74) 1,1,2,2-Tetrachloroethane	11.65	83	525257	45.22	ug/l	95
75) 1,2,3-Trichloropropane	11.75	75	395686	49.54	ug/l	94
76) Bromobenzene	11.44	156	781080	53.74	ug/l	98
77) n-propylbenzene	11.55	91	3468381	54.52	ug/l	98
78) 2-Chlorotoluene	11.67	91	1947865	54.73	ug/l	97
79) 1,3,5-Trimethylbenzene	11.78	105	2290059	54.84	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.82	75	232451m	54.34	ug/l	
81) 4-Chlorotoluene	11.85	91	2098862	53.36	ug/l	89
82) tert-Butylbenzene	12.08	119	2204955	53.38	ug/l	95
83) 1,2,4-Trimethylbenzene	12.16	105	2370424	55.35	ug/l	96
84) sec-Butylbenzene	12.26	105	3137624	54.65	ug/l	99
85) p-Isopropyltoluene	12.42	119	2395757	53.59	ug/l	97
86) 1,3-Dichlorobenzene	12.43	146	1323439	53.56	ug/l	96
87) 1,4-Dichlorobenzene	12.51	146	1335574	54.14	ug/l	97
88) n-Butylbenzene	12.79	91	2631815	58.56	ug/l	96
89) Hexachloroethane	12.86	117	554614	52.41	ug/l	92
90) 1,2-Dichlorobenzene	12.89	146	1232004	54.20	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.58	75	71733	46.52	ug/l	86
92) 1,2,4-Trichlorobenzene	14.14	180	816458	62.08	ug/l	98
93) Hexachlorobutadiene	14.13	225	621001	62.16	ug/l	98

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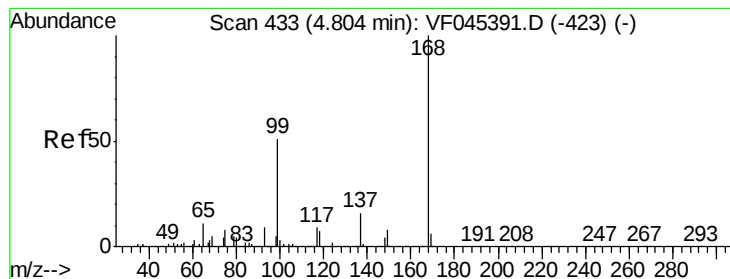
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1261292	50.76	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	663664	61.42	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion:168 Resp: 1004656

Ion Ratio Lower Upper

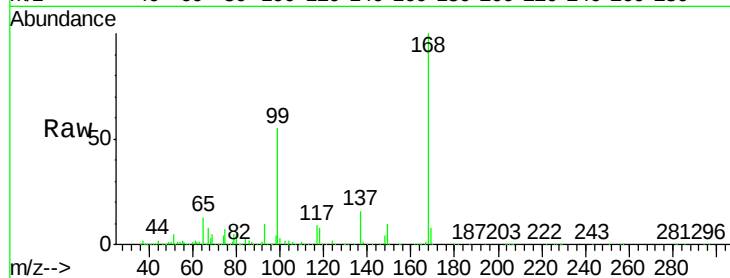
168 100

99 55.2 39.0 58.4

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.82

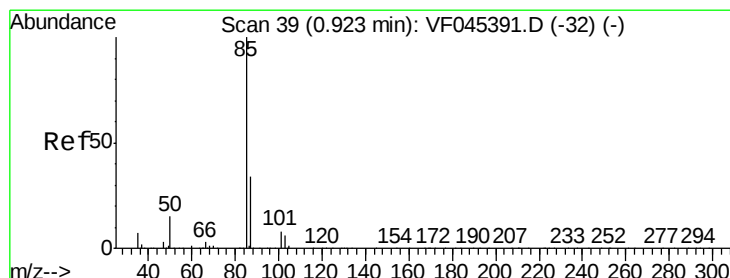
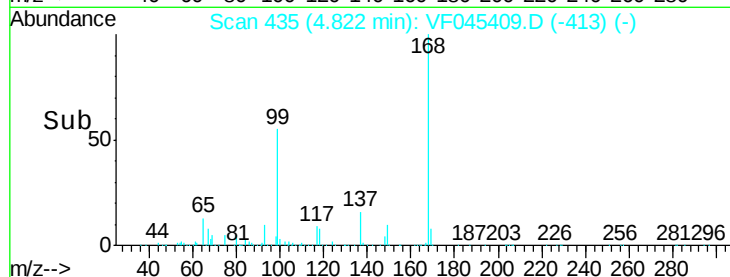
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.01 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045409.D

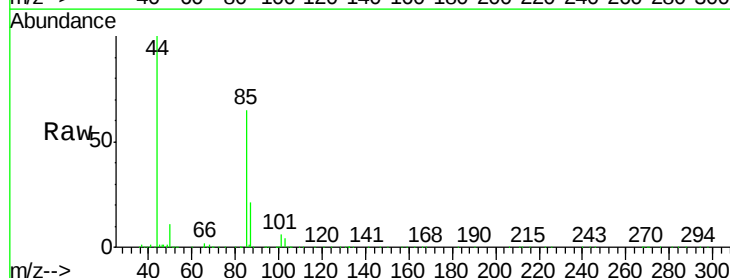
Acq: 17 Sep 2015 16:29

Tgt Ion: 85 Resp: 445037

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

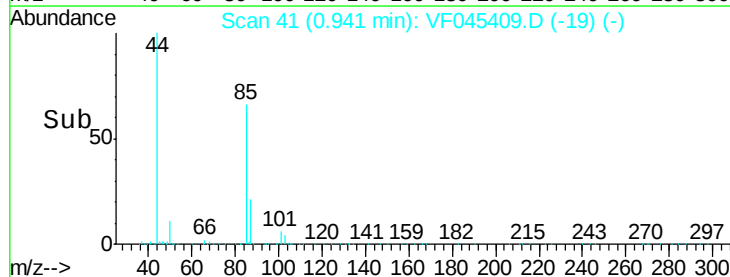
150000

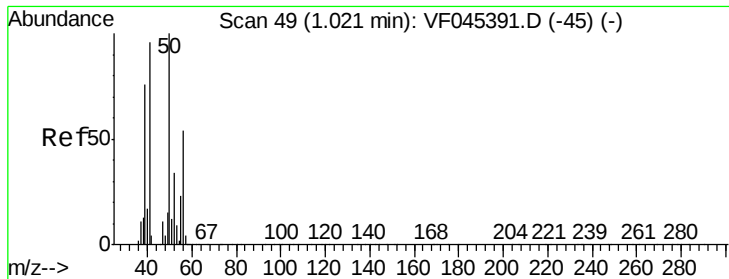
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.71 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 50 Resp: 364165

Ion Ratio Lower Upper

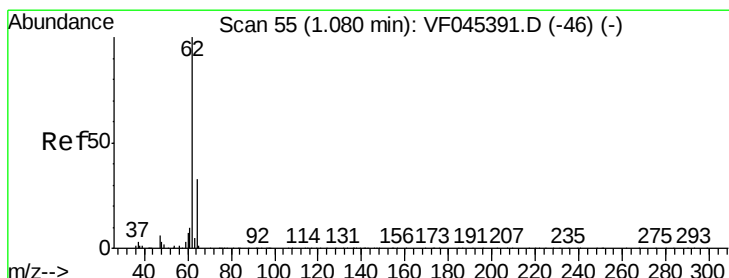
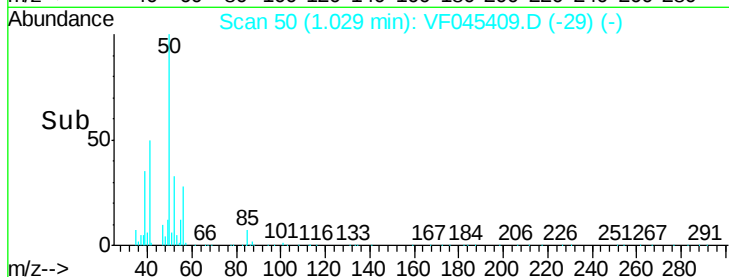
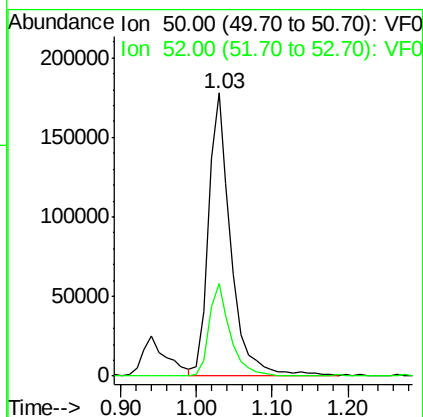
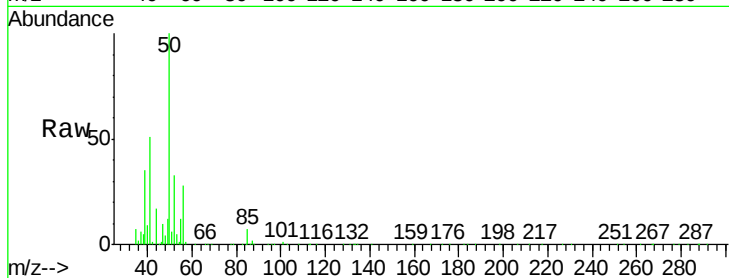
50 100

52 32.9 23.8 35.8

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#4

Vinyl Chloride

Concen: 52.46 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF045409.D

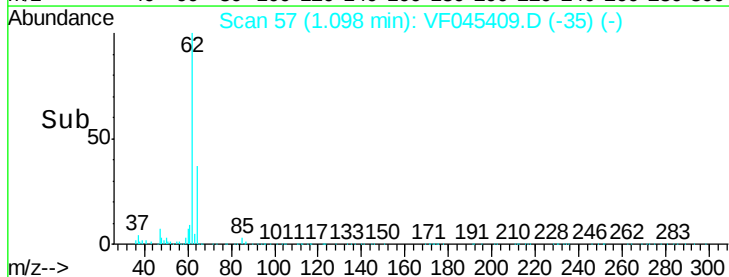
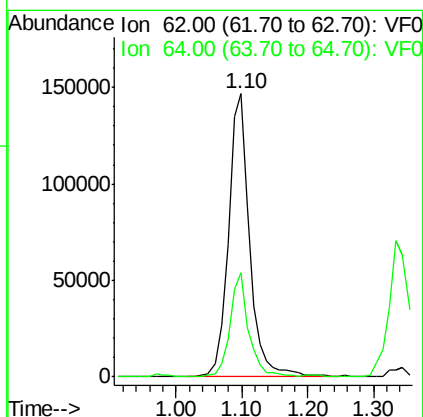
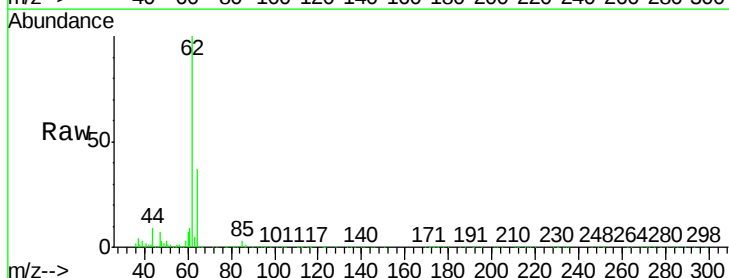
Acq: 17 Sep 2015 16:29

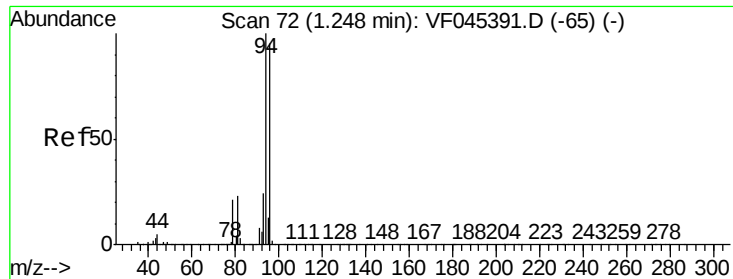
Tgt Ion: 62 Resp: 329376

Ion Ratio Lower Upper

62 100

64 36.7 26.6 39.8





#5

Bromomethane

Concen: 52.03 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

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ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 94 Resp: 202847

Ion Ratio Lower Upper

94 100

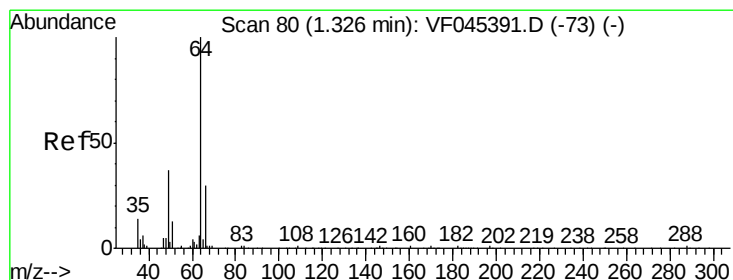
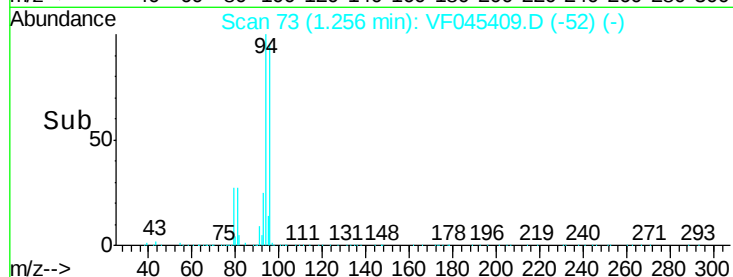
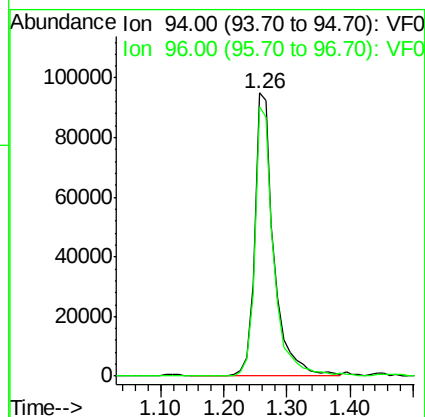
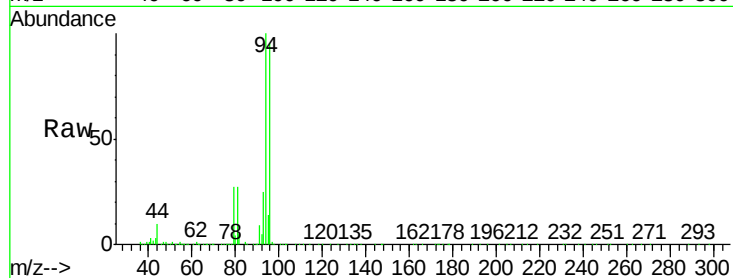
96 95.1 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 61.54 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045409.D

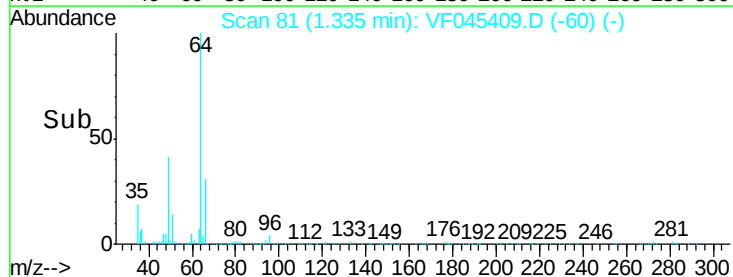
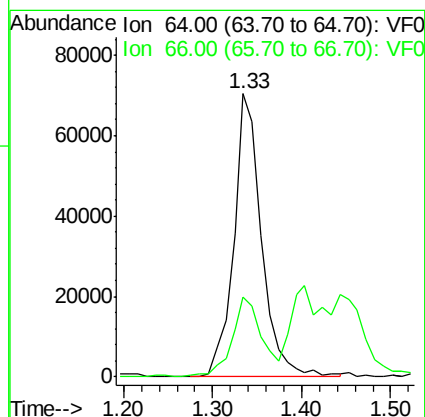
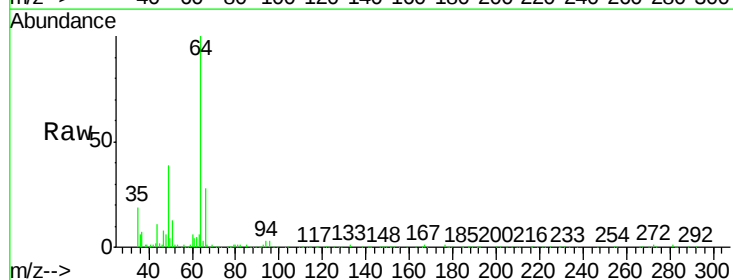
Acq: 17 Sep 2015 16:29

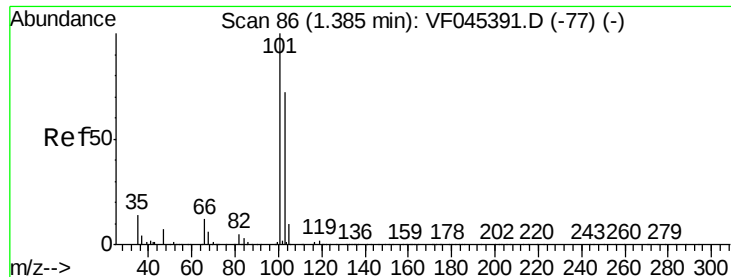
Tgt Ion: 64 Resp: 153967

Ion Ratio Lower Upper

64 100

66 28.0 27.3 40.9





#7

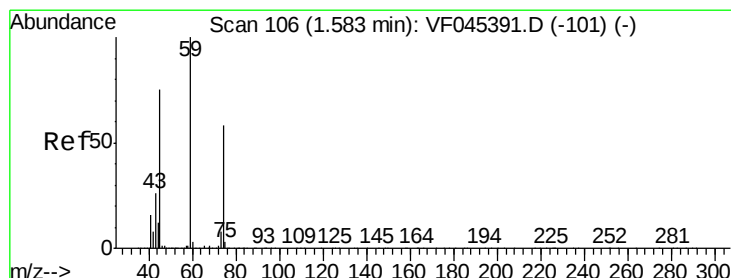
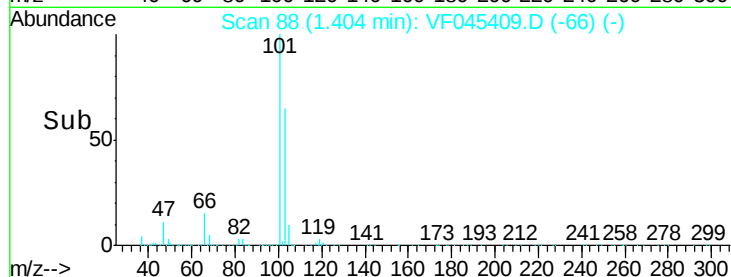
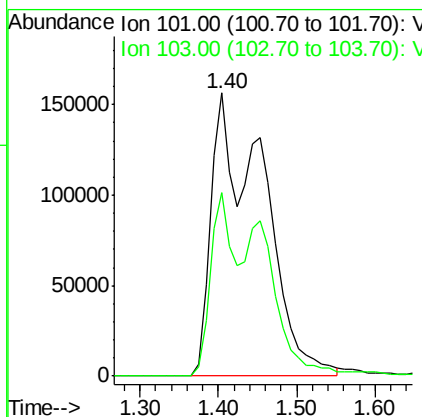
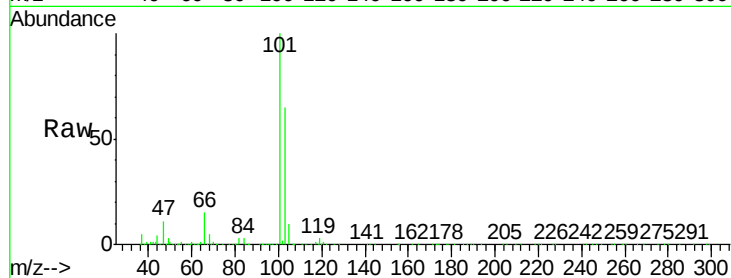
Trichlorofluoromethane
Concen: 55.64 ug/l m
RT: 1.40 min Scan# 88
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

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ClientSampleId :
MGP209BR-29-30MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.8	76.2

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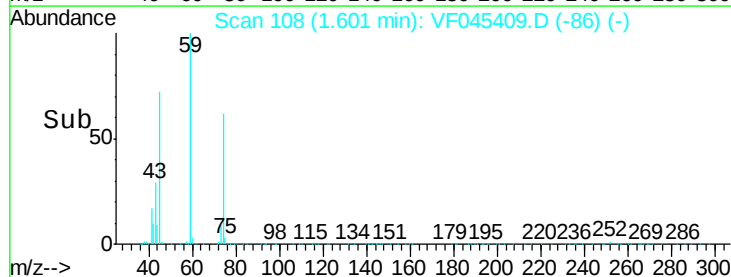
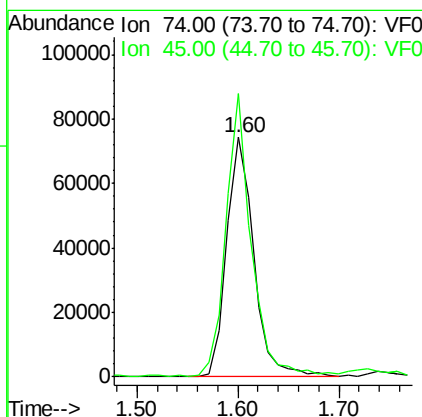
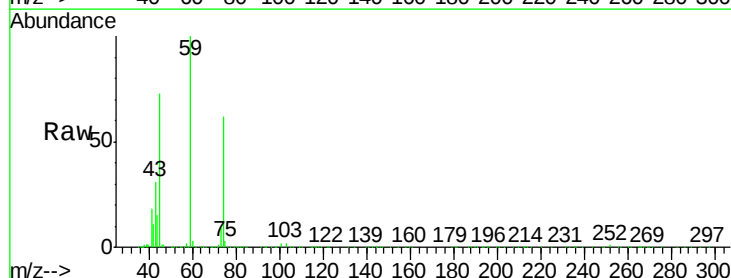
MMDadoda
9/18/2015 12:28:55 PM

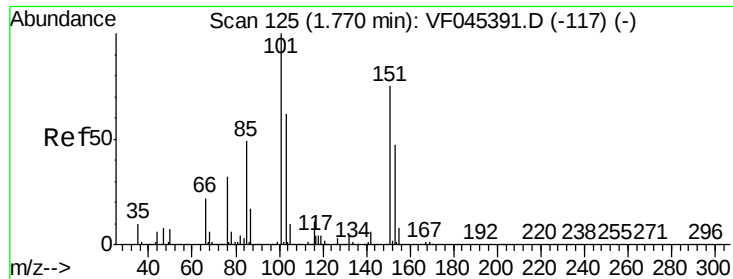


#8

Diethyl Ether
Concen: 51.44 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.3	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.19 ug/l

RT: 1.79 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

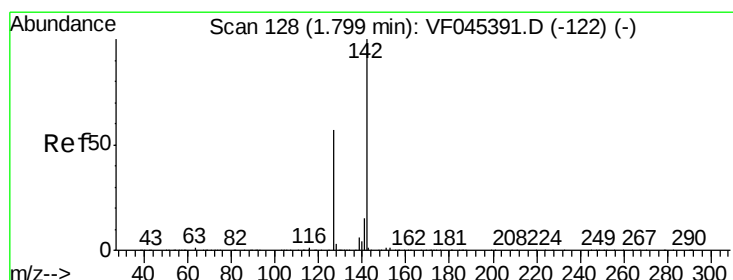
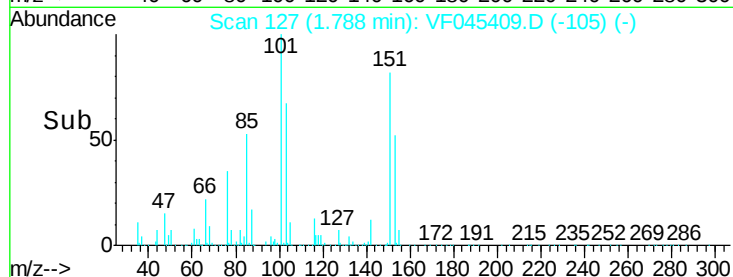
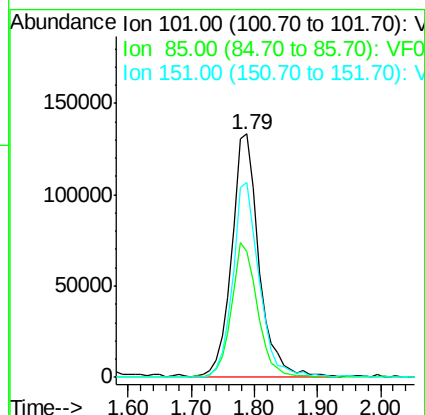
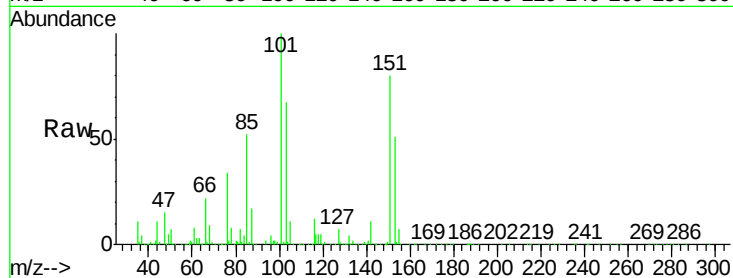
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	101	Resp:	394363
Ion Ratio	Lower	Upper	
101	100		
85	51.6	40.0	60.0
151	80.0	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.72 ug/l

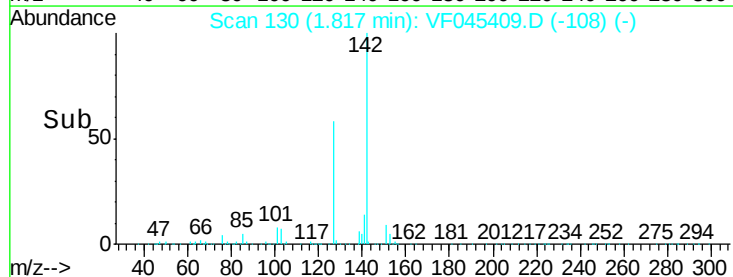
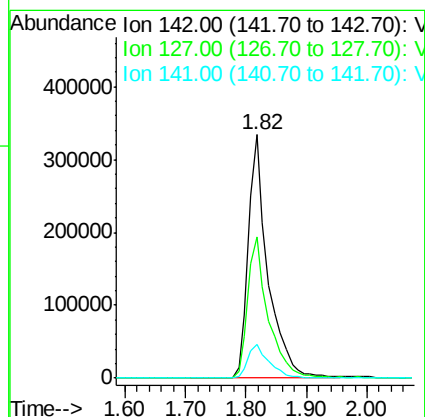
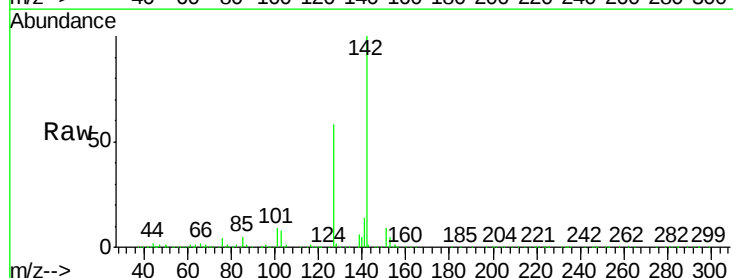
RT: 1.82 min Scan# 130

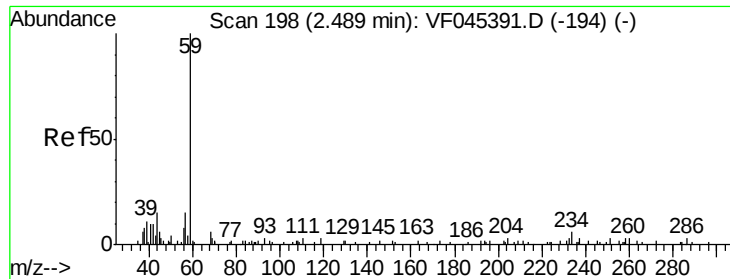
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	142	Resp:	753825
Ion Ratio	Lower	Upper	
142	100		
127	58.3	43.3	64.9
141	14.0	12.1	18.1





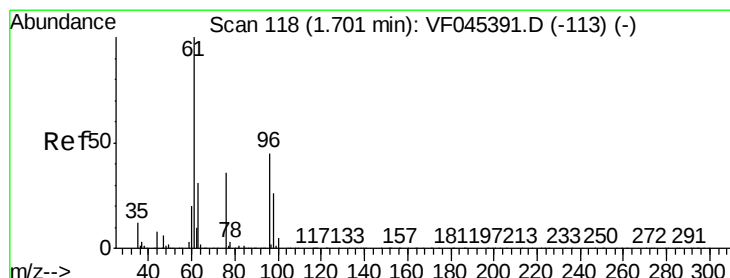
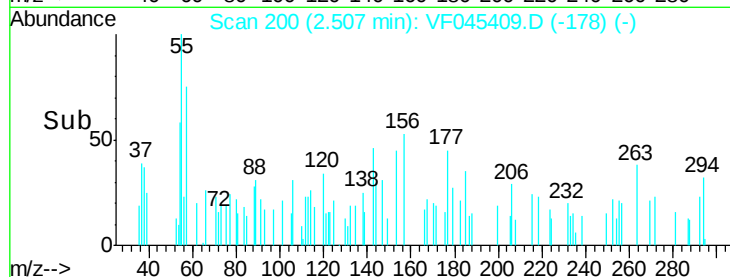
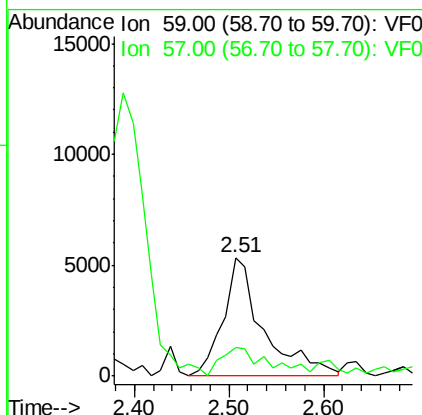
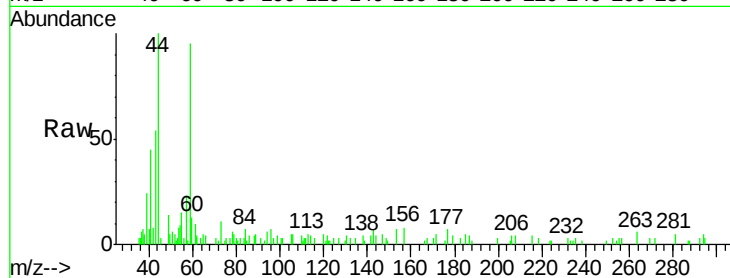
#11
Tert butyl alcohol
Concen: 130.67 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

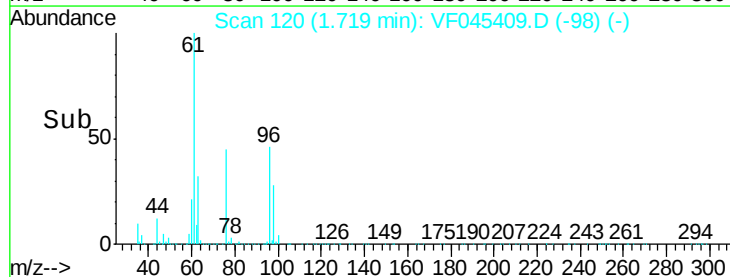
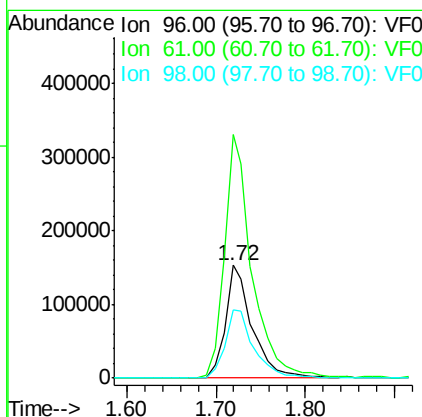
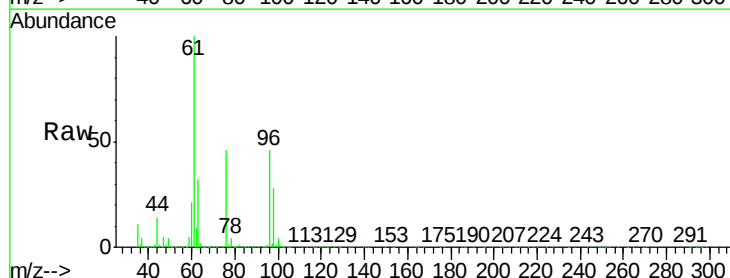
Manual Integrations
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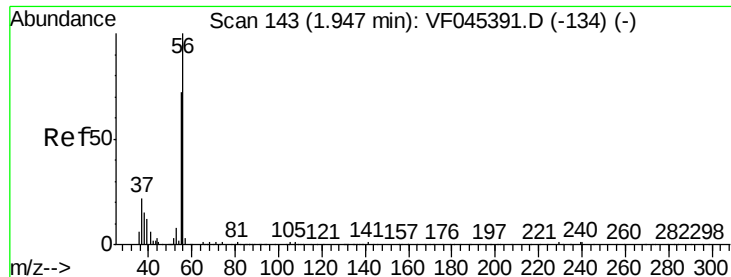
MMDadoda
9/18/2015 12:28:55 PM



#12
1,1-Dichloroethene
Concen: 52.30 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

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





#13

Acrolein

Concen: 218.61 ug/l

RT: 1.97 min Scan# 145

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 56 Resp: 109819

Ion Ratio Lower Upper

56 100

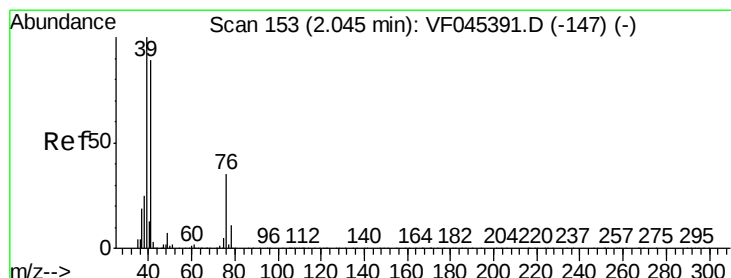
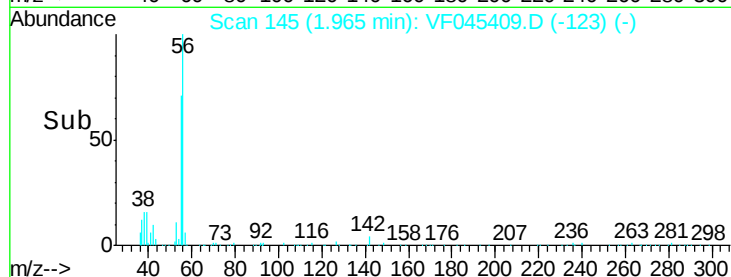
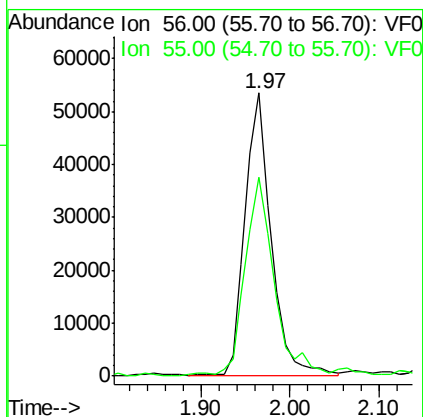
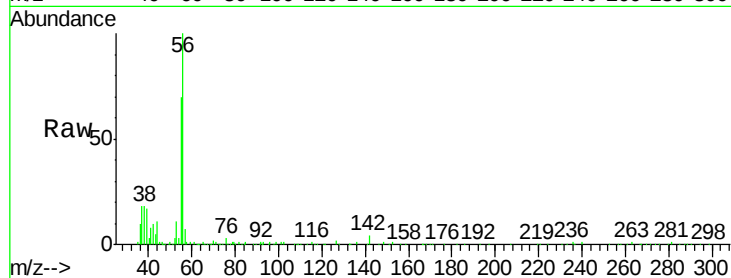
55 70.4 60.5 90.7

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#14

Allyl chloride

Concen: 52.46 ug/l

RT: 2.06 min Scan# 155

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

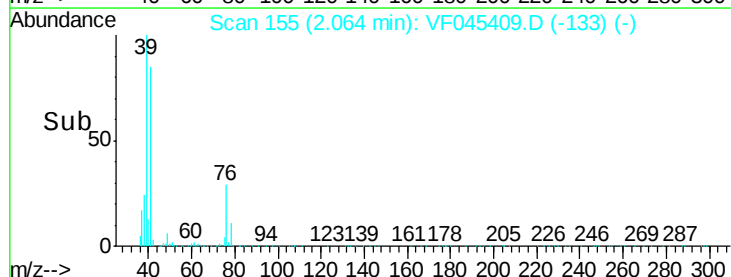
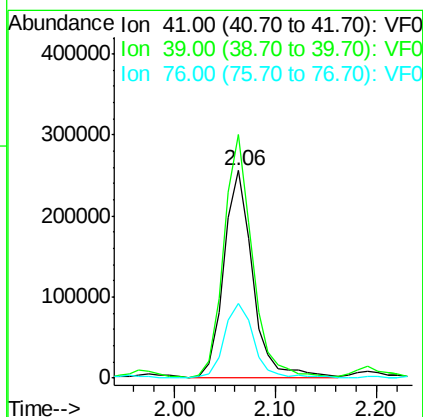
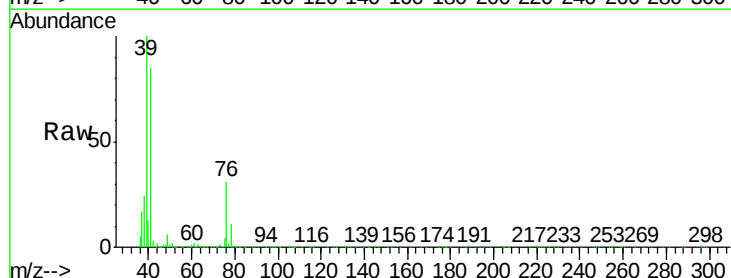
Tgt Ion: 41 Resp: 501342

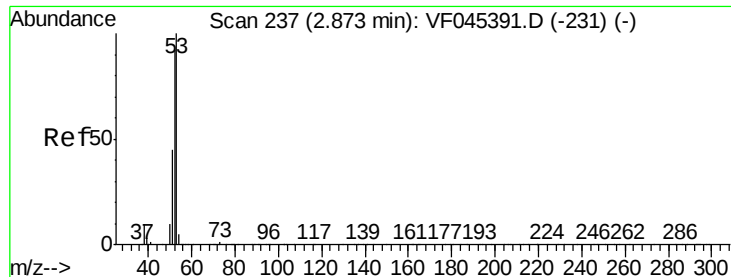
Ion Ratio Lower Upper

41 100

39 117.3 92.8 139.2

76 35.9 27.7 41.5





#15

Acrylonitrile

Concen: 208.63 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

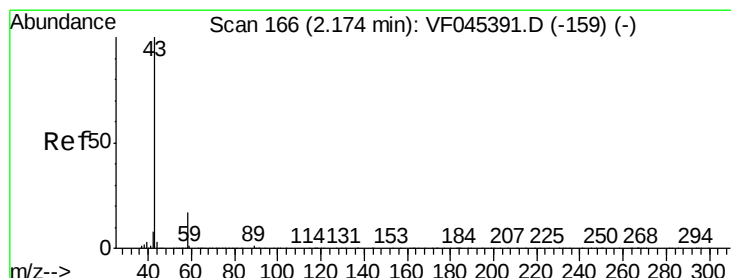
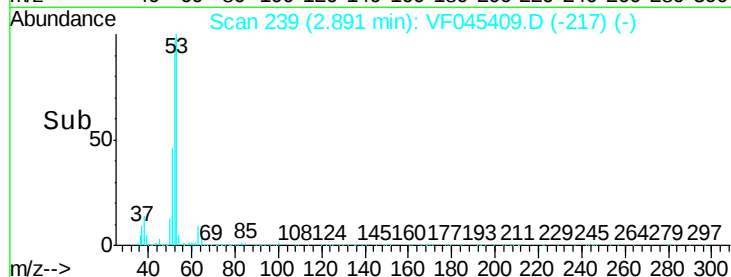
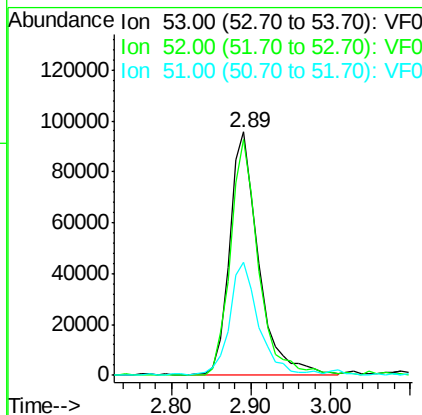
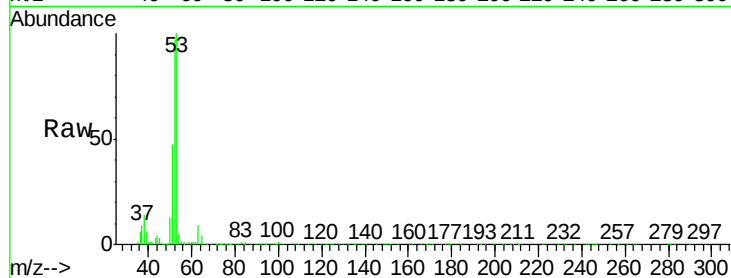
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	53	Resp:	241725
Ion	Ratio	Lower	Upper
53	100		
52	96.8	72.7	109.1
51	46.5	42.2	63.2

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#16

Acetone

Concen: 216.38 ug/l

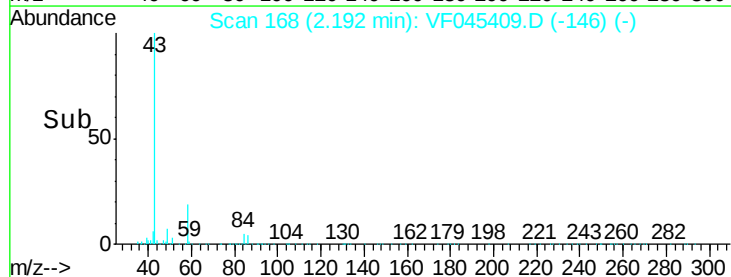
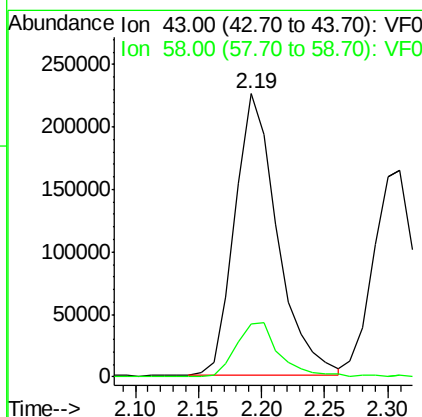
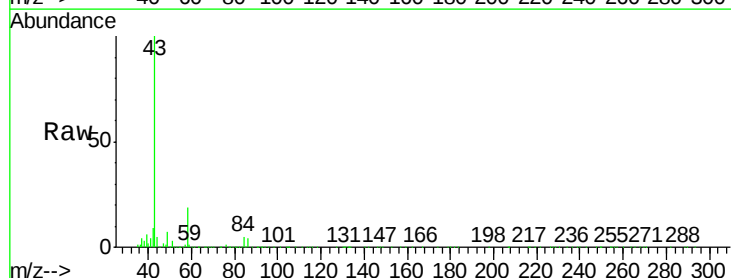
RT: 2.19 min Scan# 168

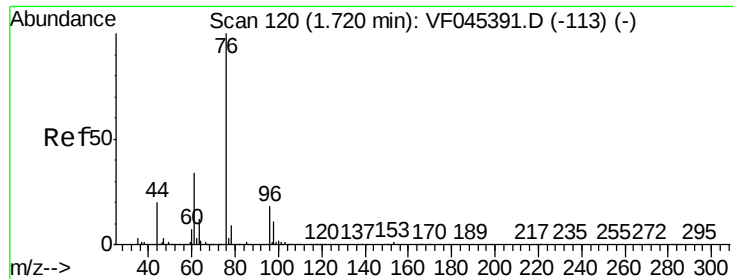
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	43	Resp:	529972
Ion	Ratio	Lower	Upper
43	100		
58	18.9	13.9	20.9





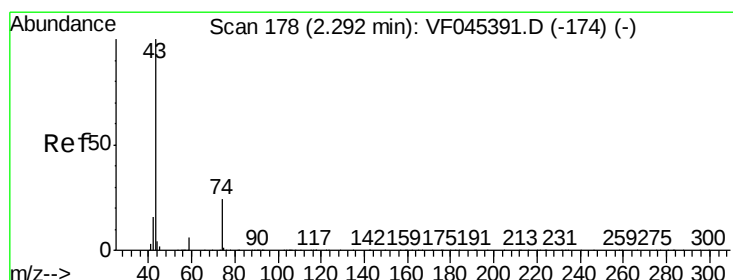
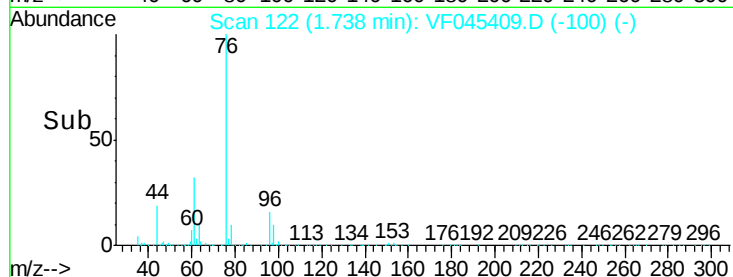
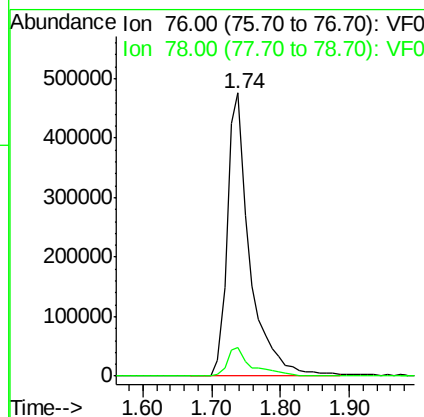
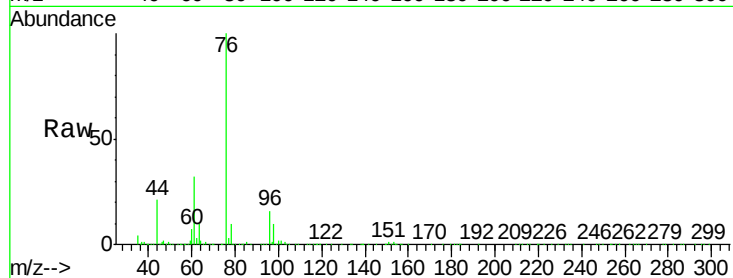
#17
Carbon Disulfide
Concen: 51.19 ug/l
RT: 1.74 min Scan# 122
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

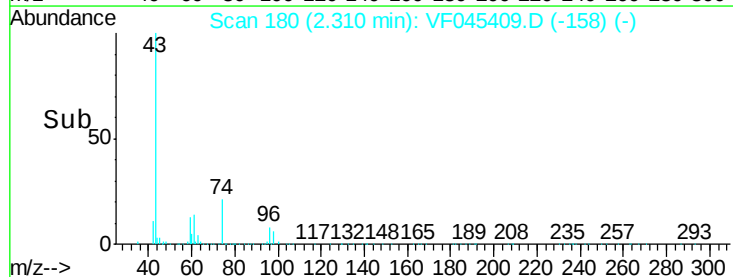
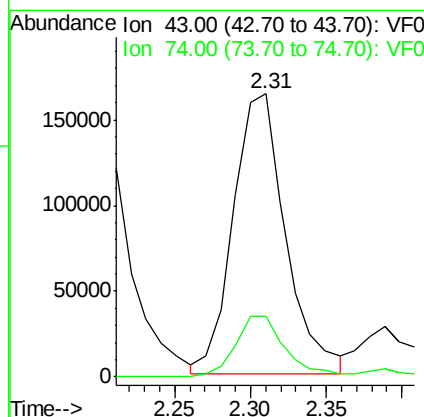
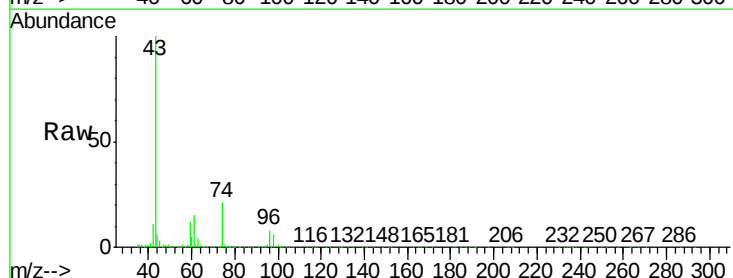
Manual Integrations
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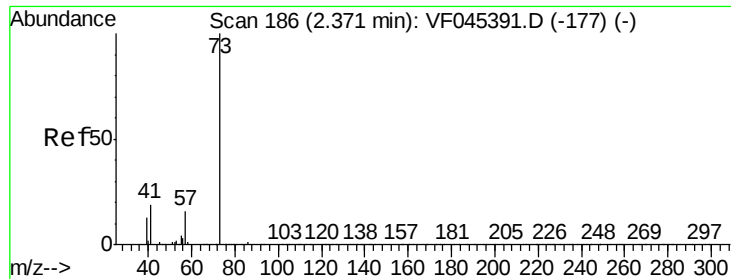
MMDadoda
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#18
Methyl Acetate
Concen: 42.10 ug/l
RT: 2.31 min Scan# 180
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

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





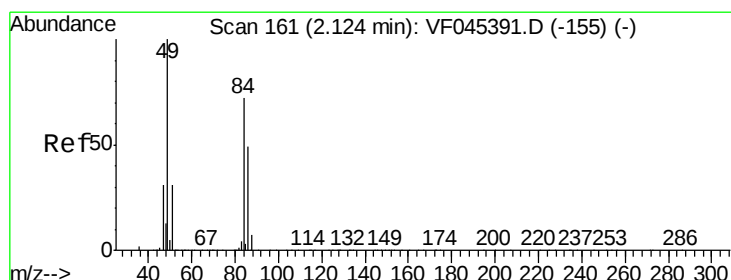
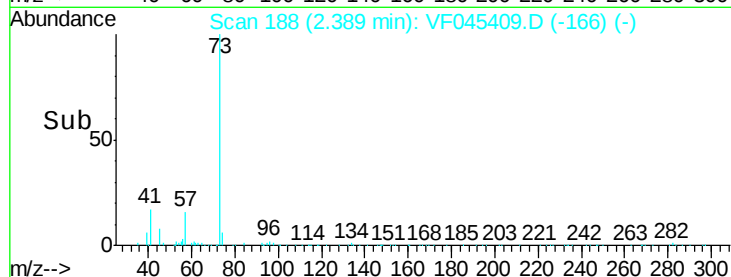
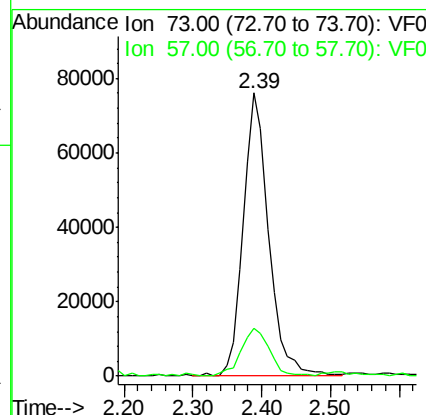
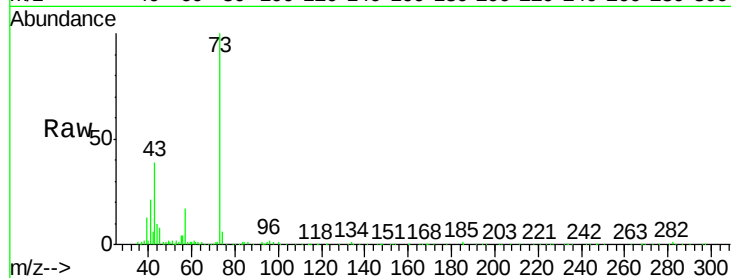
#19
Methvl tert-butvl Ether
Concen: 40.37 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

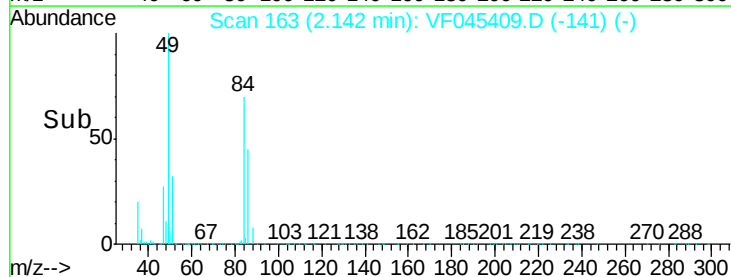
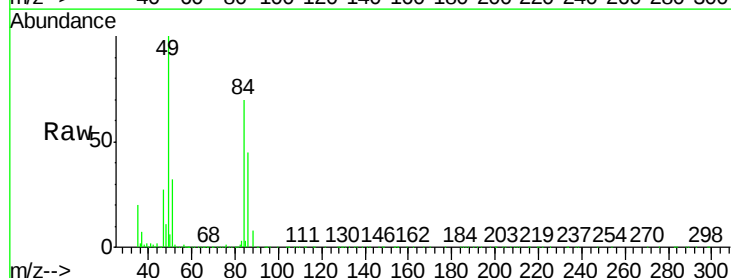
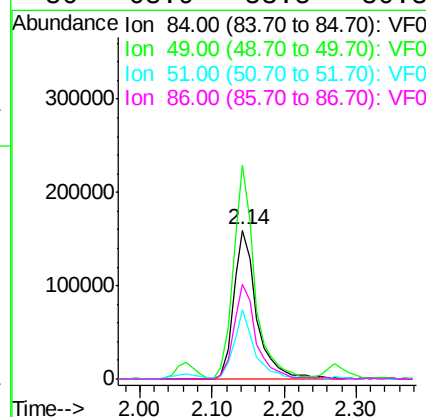
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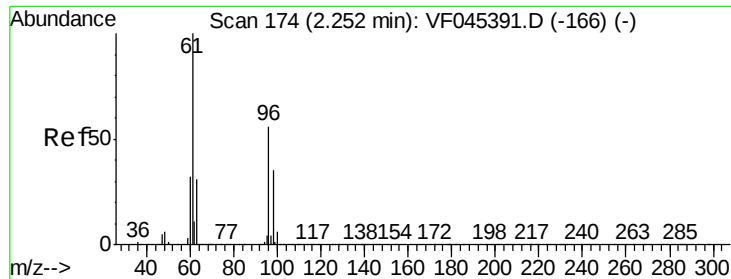
MMDadoda
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#20
Methylene Chloride
Concen: 52.83 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

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





#21

trans-1,2-Dichloroethene

Concen: 50.79 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

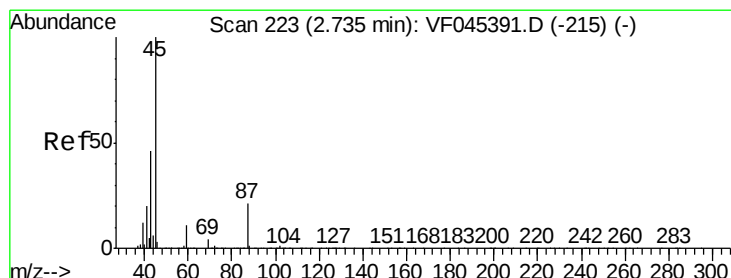
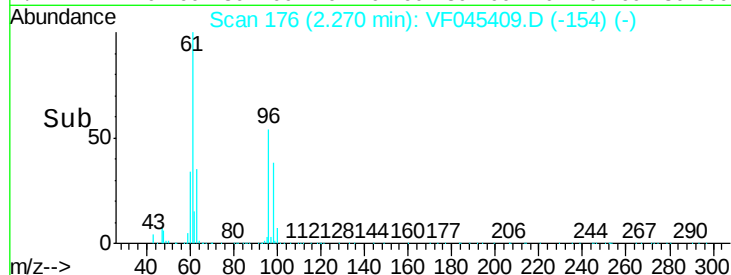
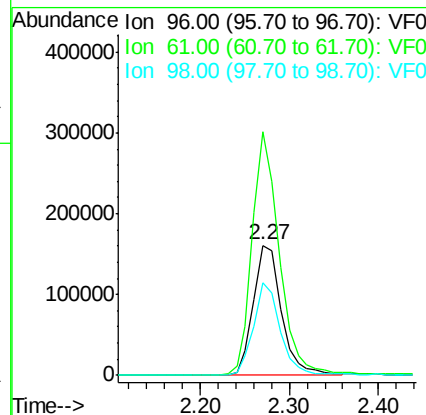
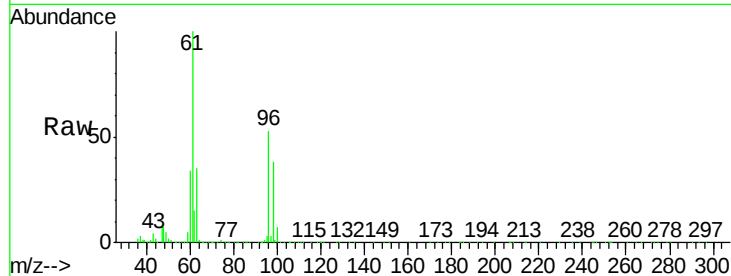
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	96	Resp:	350698
Ion Ratio	Lower	Upper	
96	100		
61	187.0	136.8	205.2
98	70.7	51.0	76.4

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#22

Diisopropyl ether

Concen: 49.59 ug/l

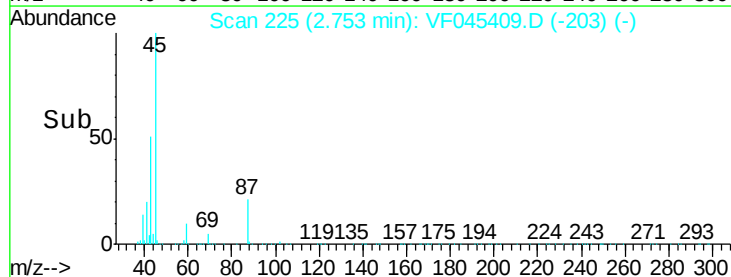
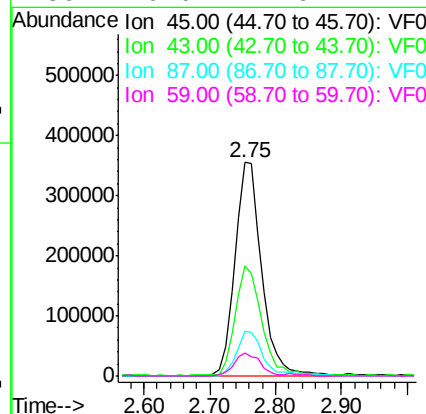
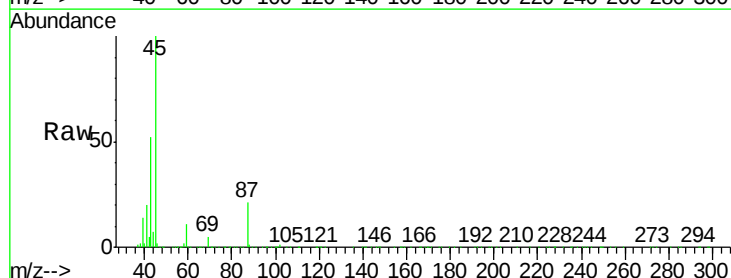
RT: 2.75 min Scan# 225

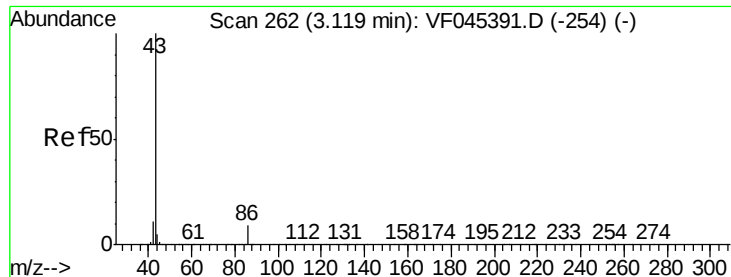
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	45	Resp:	1010171
Ion Ratio	Lower	Upper	
45	100		
43	51.7	42.2	63.4
87	21.2	16.6	25.0
59	10.9	7.6	11.4





#23

Vinyl Acetate

Concen: 238.25 ug/l

RT: 3.14 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tot Ion: 43 Resp: 1416577

Ion Ratio Lower Upper

43 100

86 8.7 6.3 9.5

Instrument :

MSVOA_F

ClientSampleId :

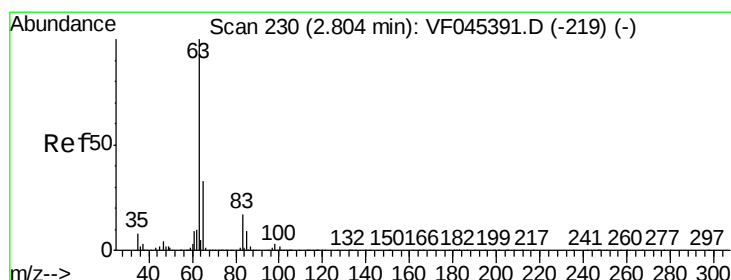
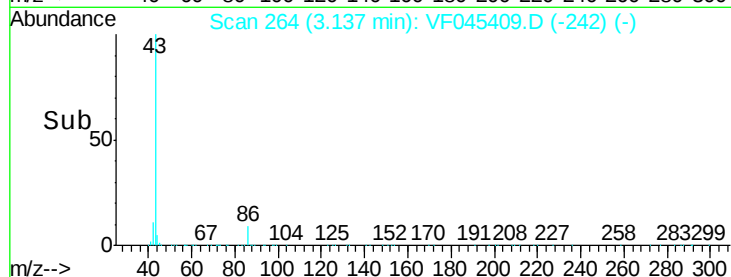
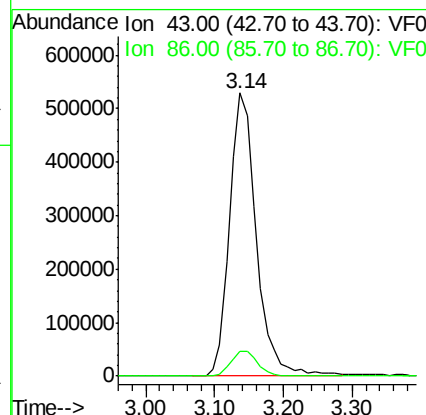
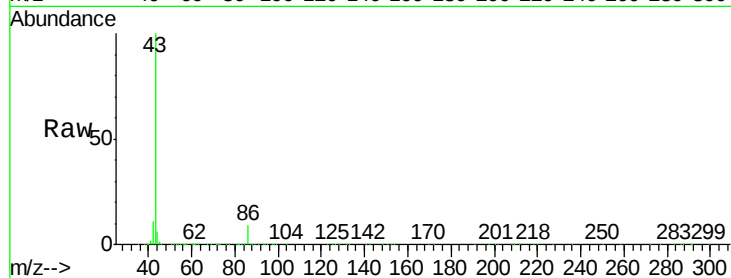
MGP209BR-29-30MS

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#24

1,1-Dichloroethane

Concen: 52.87 ug/l

RT: 2.83 min Scan# 233

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

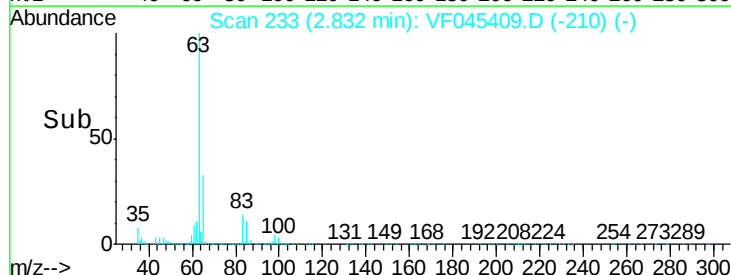
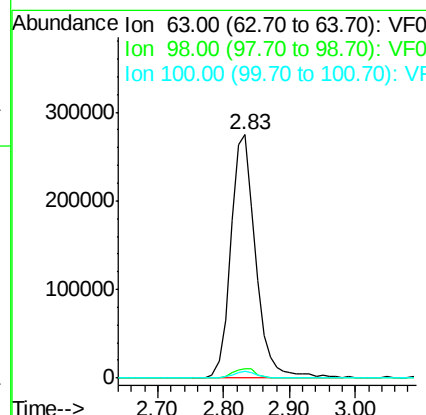
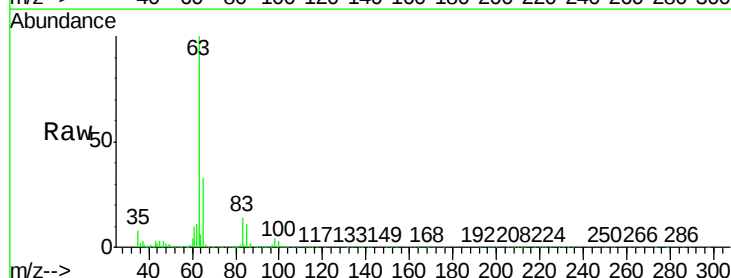
Tgt Ion: 63 Resp: 728889

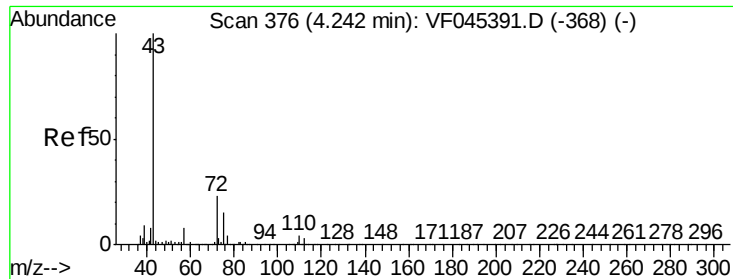
Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

100 2.7 1.1 3.5





#25

2-Butanone

Concen: 205.45 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tot Ion: 43 Resp: 703920

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

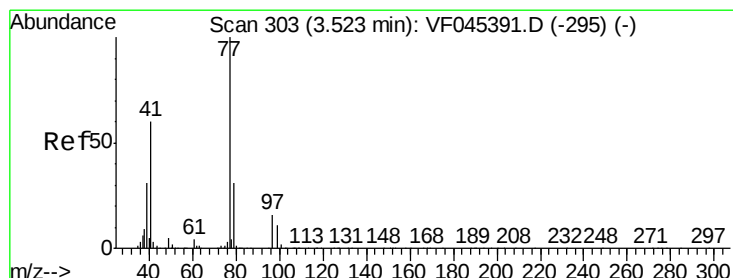
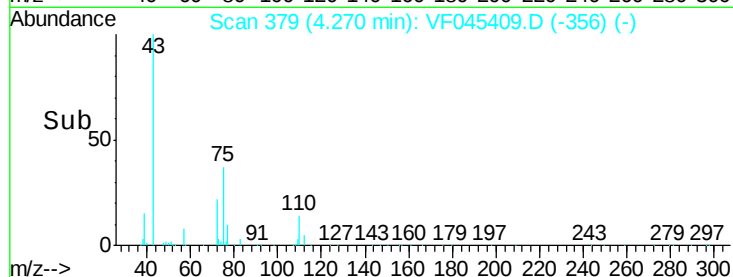
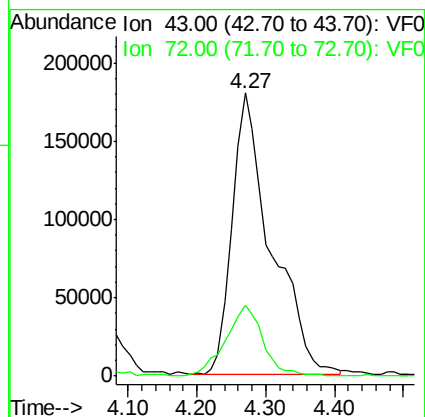
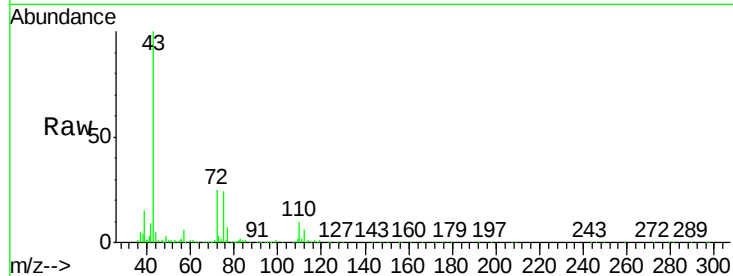
MGP209BR-29-30MS

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.71 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.03 min

Lab File: VF045409.D

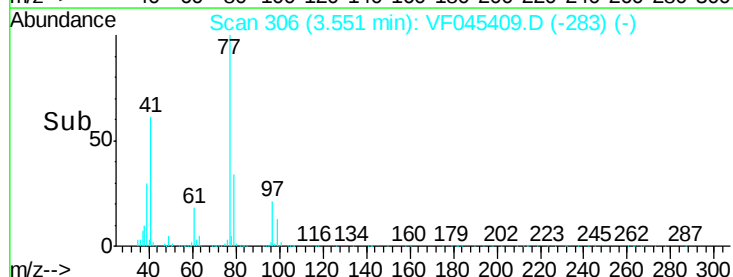
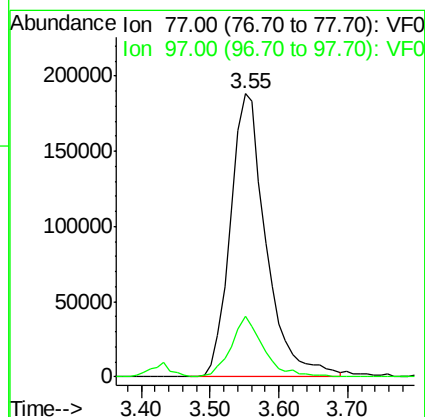
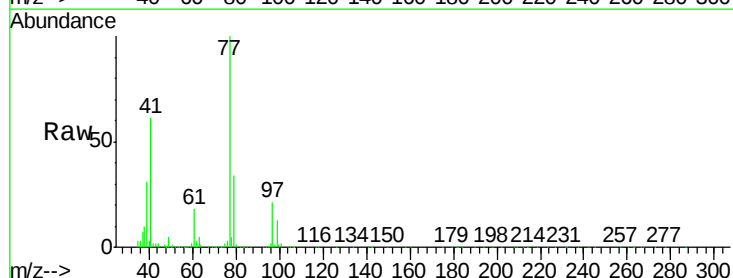
Acq: 17 Sep 2015 16:29

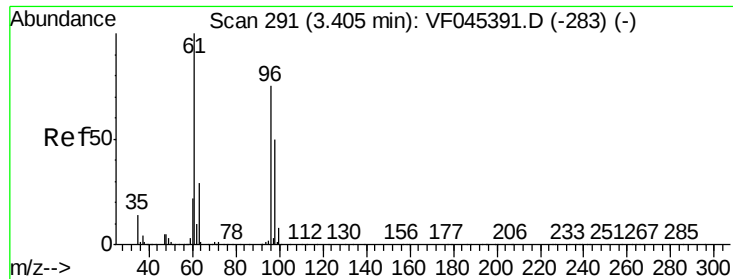
Tgt Ion: 77 Resp: 676768

Ion Ratio Lower Upper

77 100

97 21.3 9.2 27.4





#27

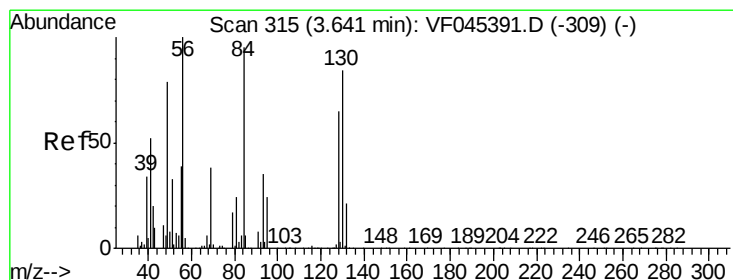
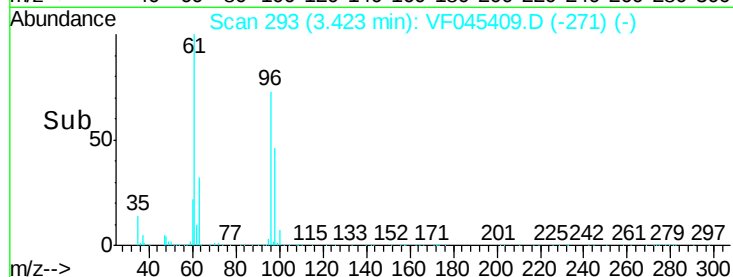
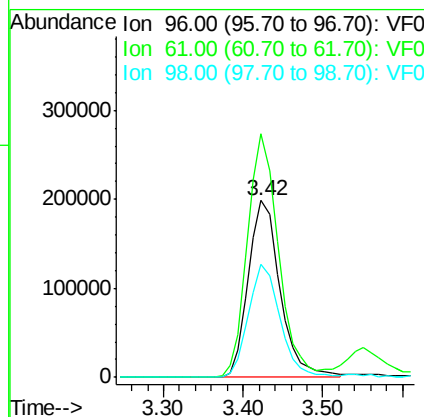
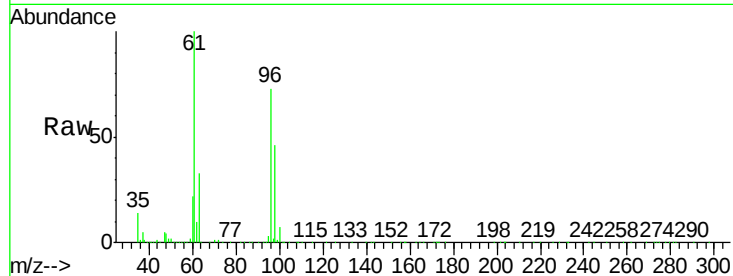
cis-1,2-Dichloroethene
Concen: 51.38 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	547935		
61	137.9	0.0	268.6	
98	63.8	0.0	135.8	

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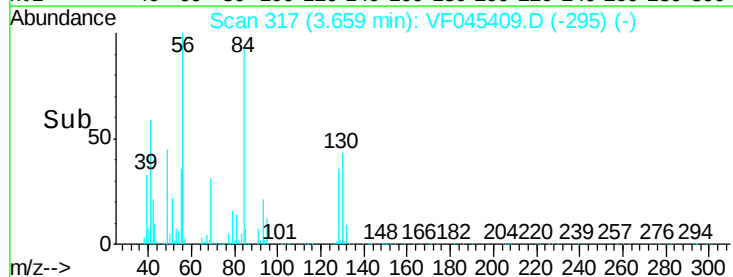
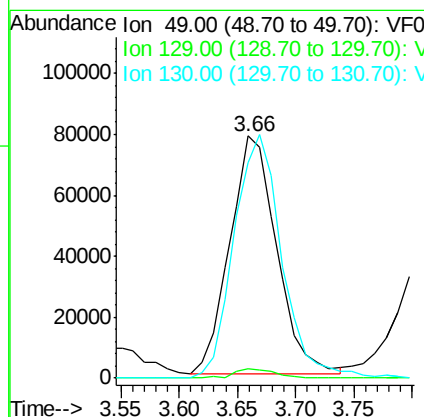
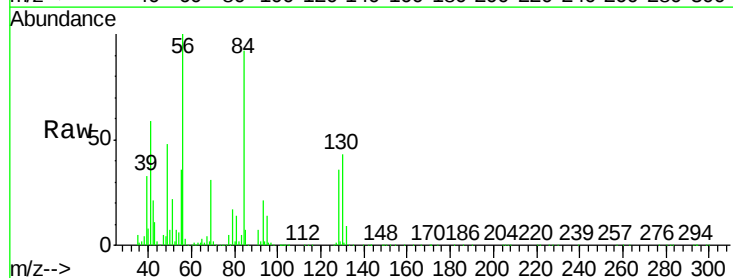
MMDadoda
9/18/2015 12:28:55 PM

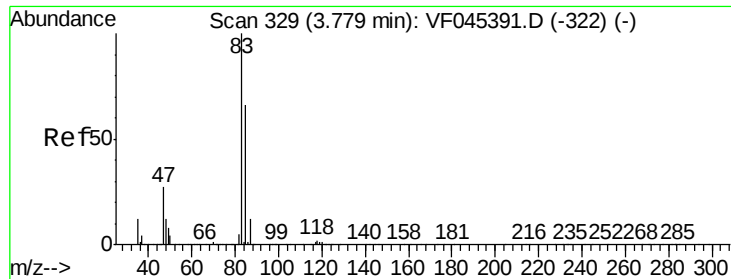


#28

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

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217984		
129	3.9	0.0	0.0#	
130	89.3	79.6	119.4	





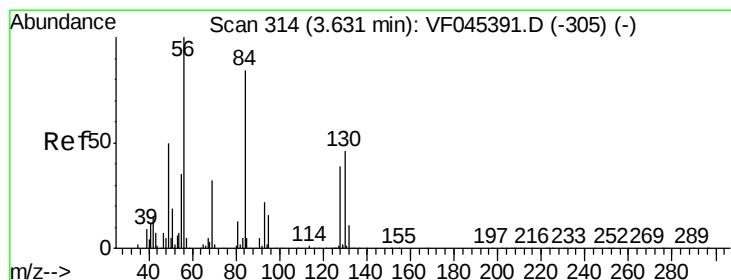
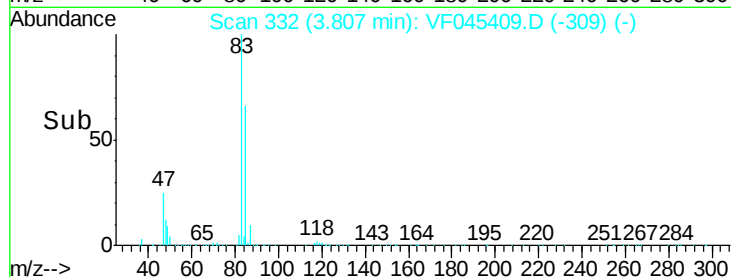
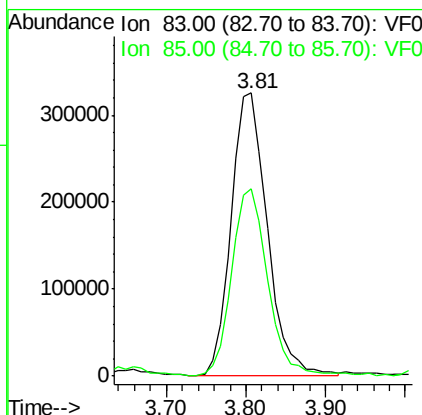
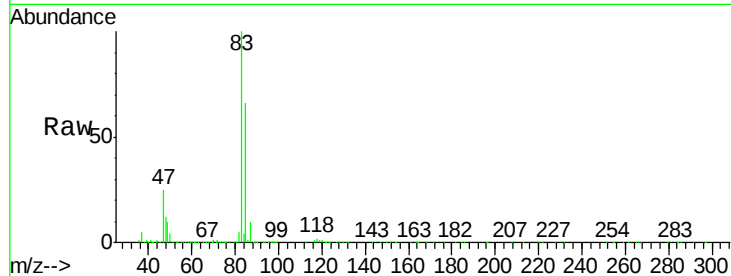
#29
Chloroform
Concen: 52.66 ug/l
RT: 3.81 min Scan# 332
Delta R.T. 0.03 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

Tot Ion: 83 Resp: 1020655
Ion Ratio Lower Upper
83 100
85 66.2 51.6 77.4

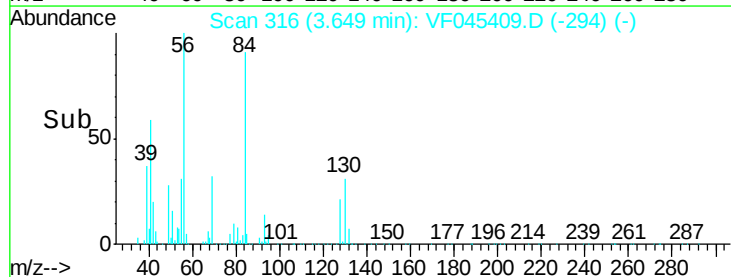
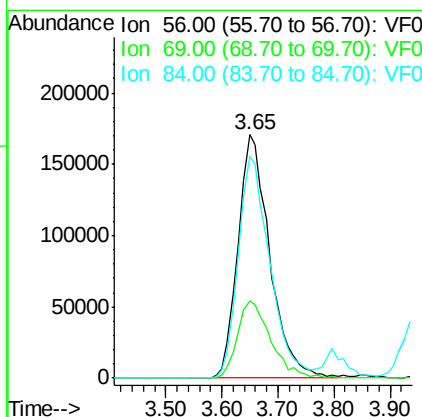
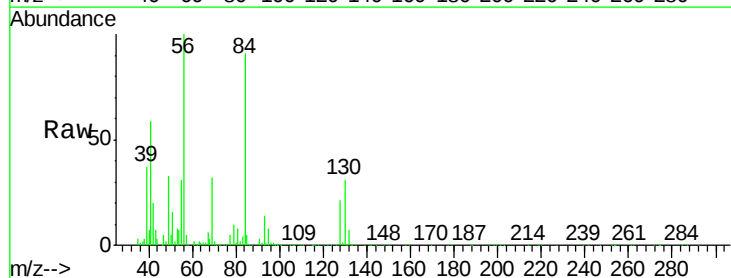
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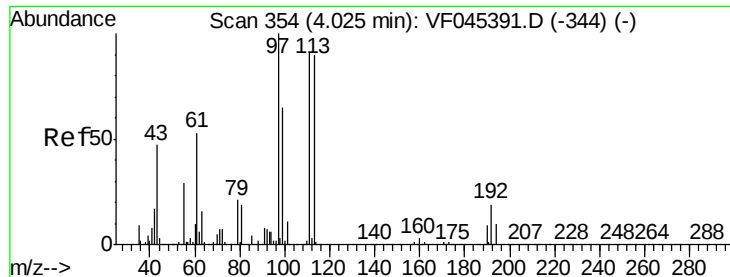
MMDadoda
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#30
Cyclohexane
Concen: 53.76 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion: 56 Resp: 668805
Ion Ratio Lower Upper
56 100
69 32.0 26.1 39.1
84 91.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 51.81 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

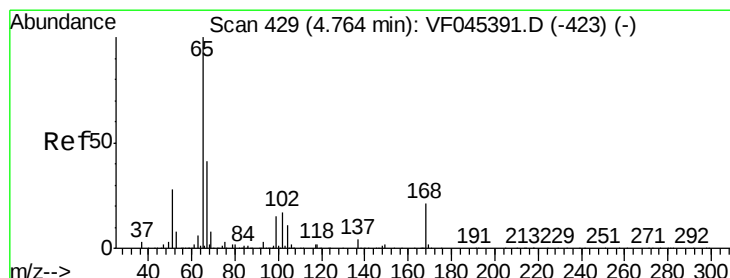
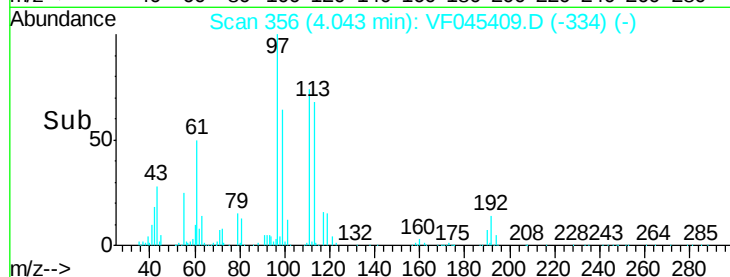
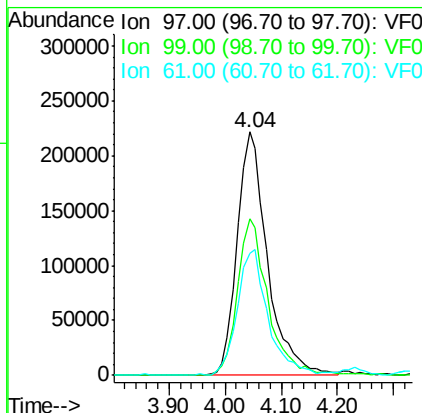
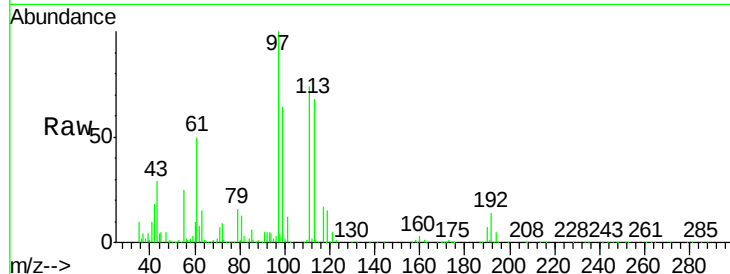
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	97	Resp:	831805
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	50.2	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 45.24 ug/l

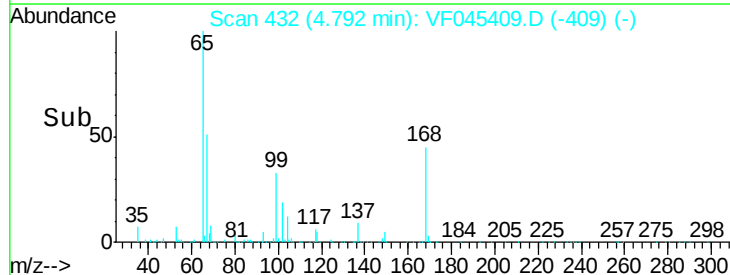
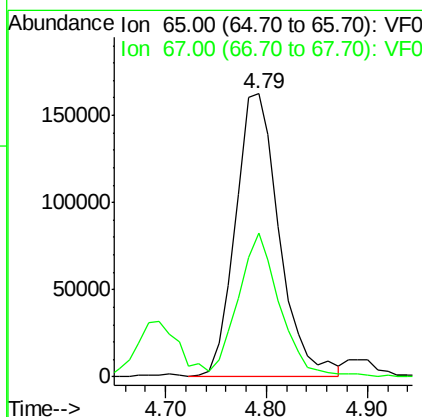
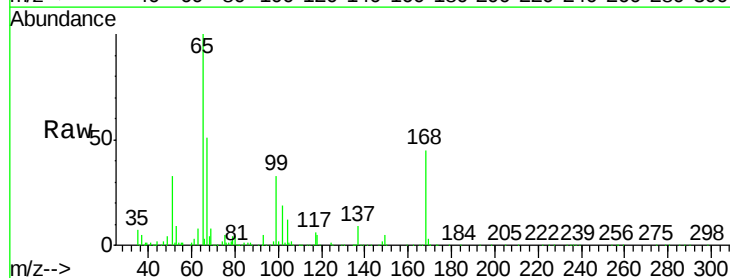
RT: 4.79 min Scan# 432

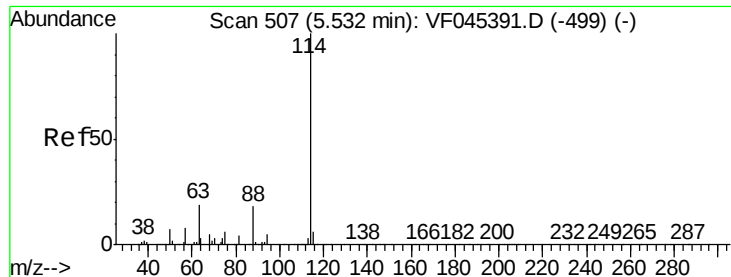
Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	65	Resp:	488100
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.2





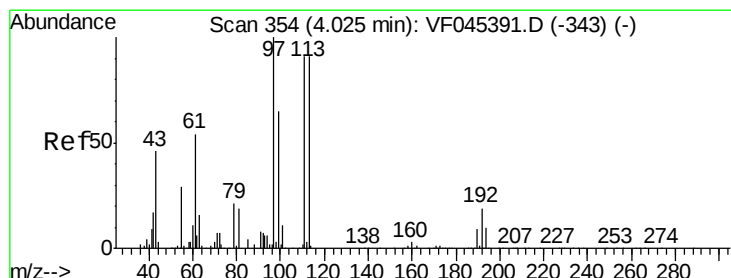
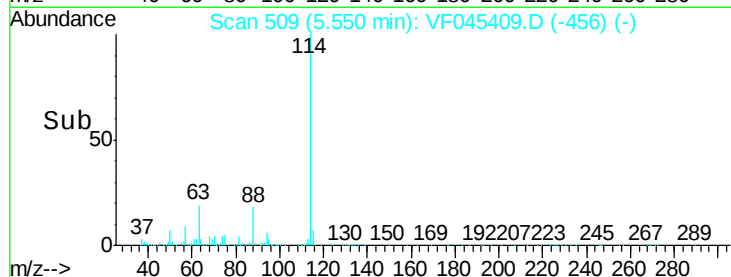
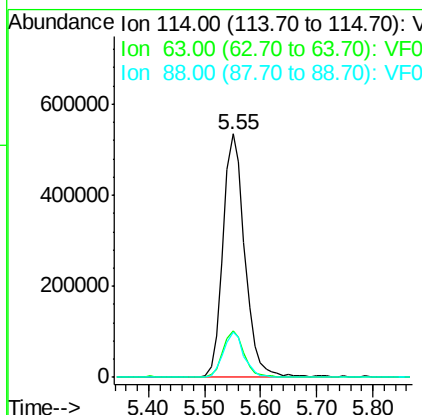
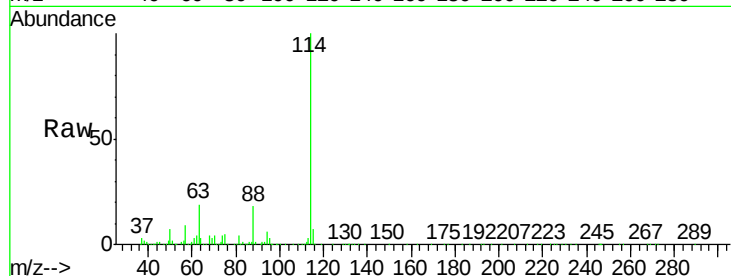
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.2
88	18.5	0.0	37.0

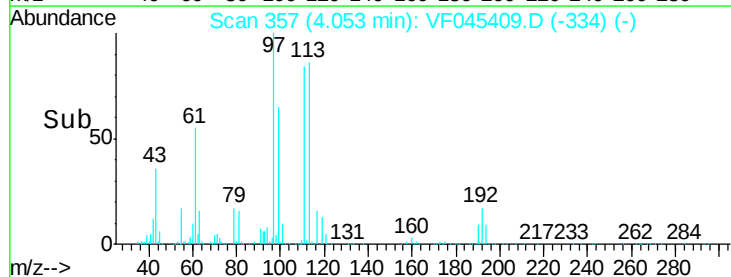
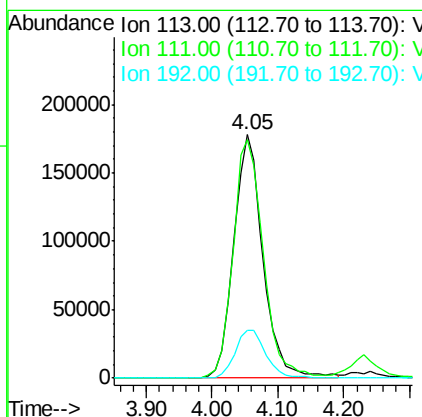
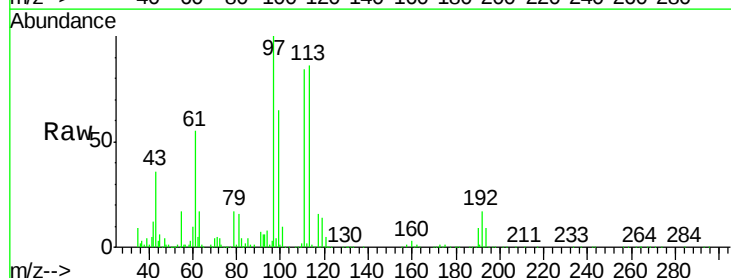
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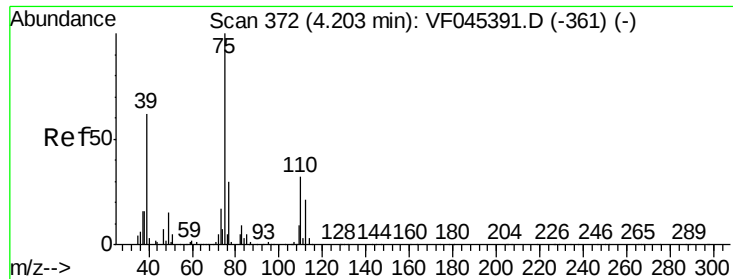
MMDadoda
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#34
 Dibromofluoromethane
 Concen: 49.28 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.03 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.1	75.5	113.3
192	19.8	15.6	23.4





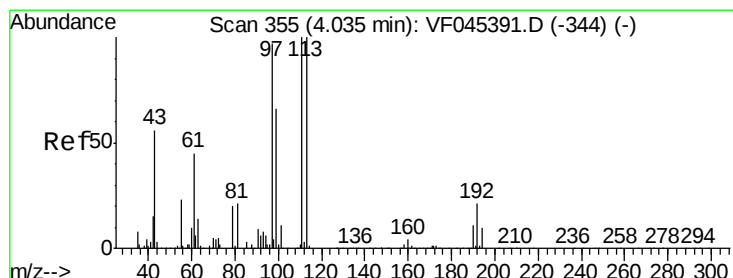
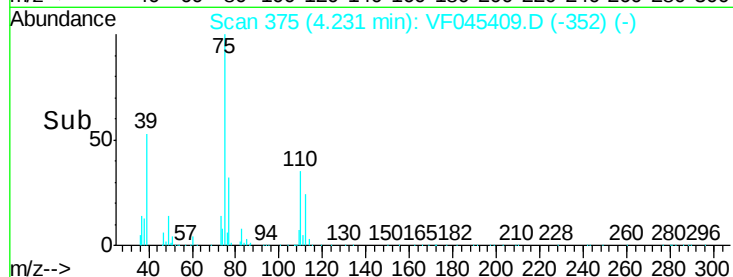
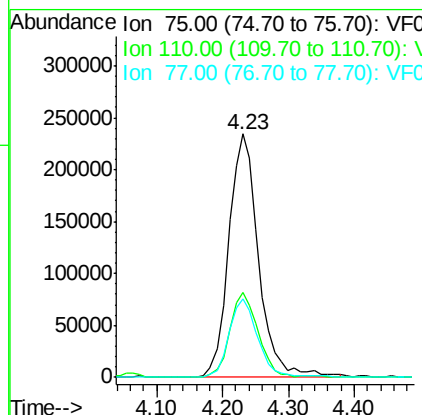
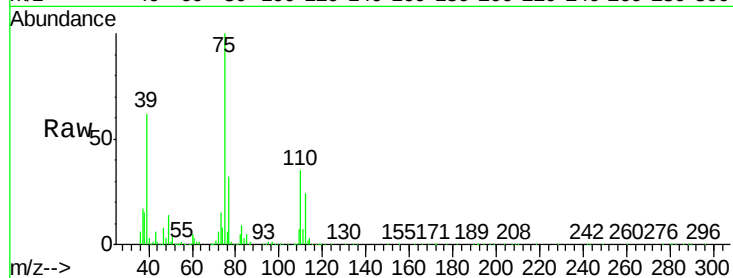
#35
 1,1-Dichloropropene
 Concen: 53.68 ug/l
 RT: 4.23 min Scan# 375
 Delta R.T. 0.03 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.0	15.9	47.6
77	32.1	24.2	36.4

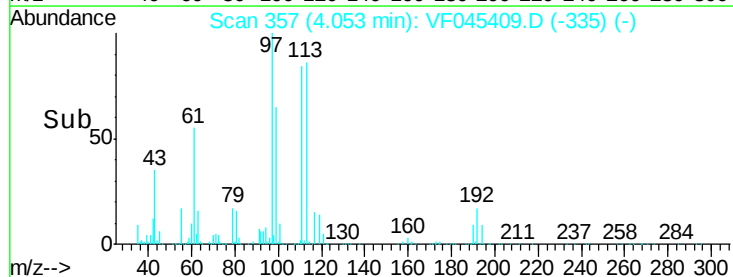
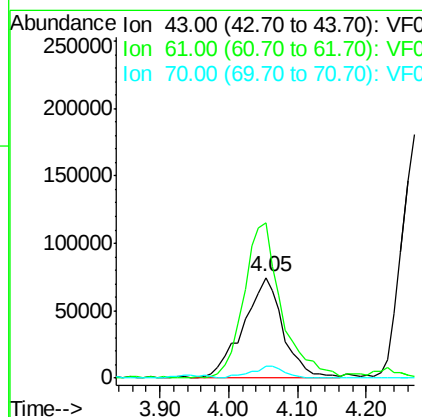
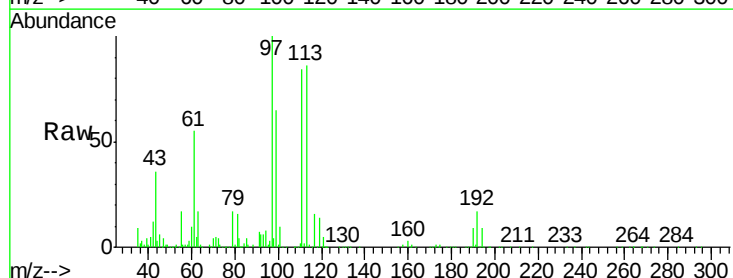
Manual Integrations
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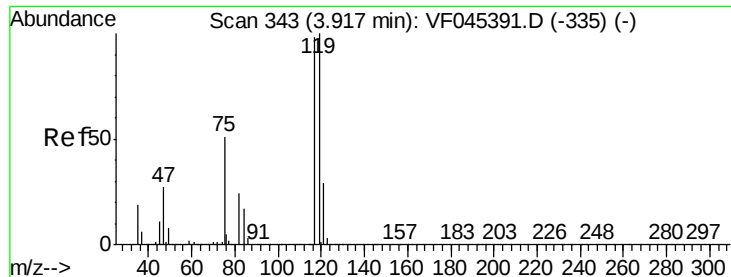
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#36
 Ethyl Acetate
 Concen: 41.67 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
61	153.8	49.4	74.0#
70	11.6	10.8	16.2





#37

Carbon Tetrachloride

Concen: 53.90 ug/l

RT: 3.94 min Scan# 346

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

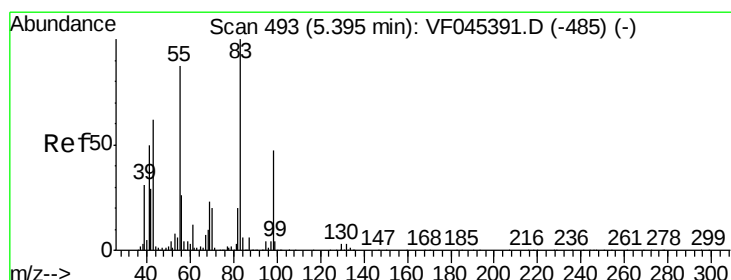
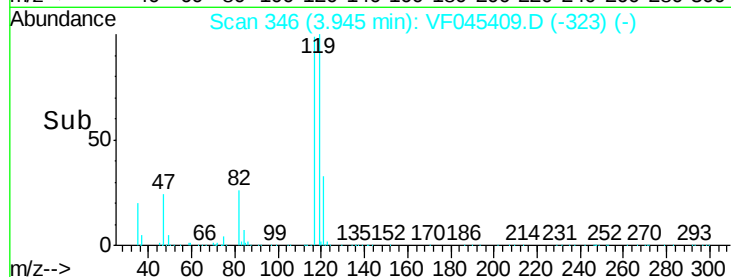
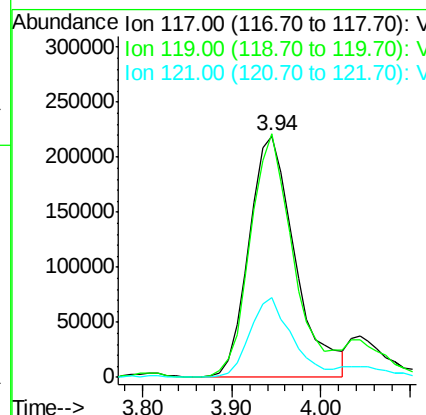
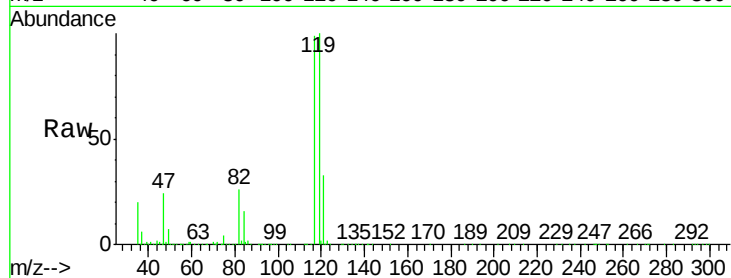
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	117	Resp:	782171
Ion Ratio	Lower	Upper	
117	100		
119	101.0	77.8	116.8
121	33.1	25.4	38.0

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#38

Methylcyclohexane

Concen: 55.25 ug/l

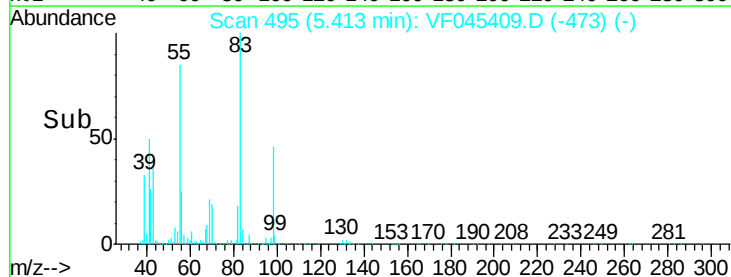
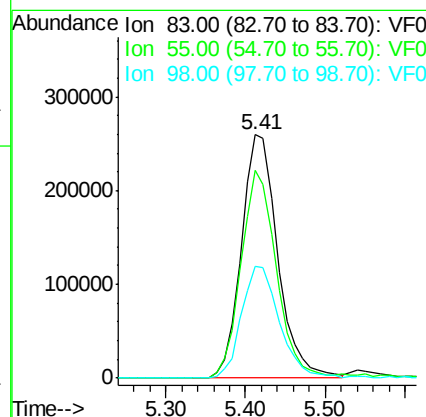
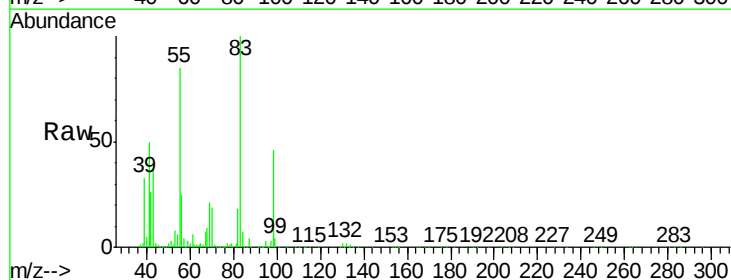
RT: 5.41 min Scan# 495

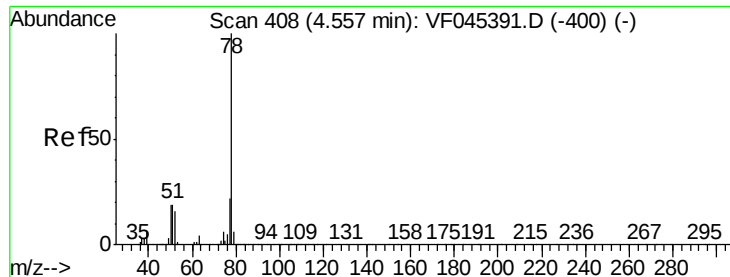
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	83	Resp:	818054
Ion Ratio	Lower	Upper	
83	100		
55	85.4	60.5	90.7
98	45.7	38.1	57.1





#39

Benzene

Concen: 54.62 ug/l

RT: 4.59 min Scan# 411

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 78 Resp: 1758867

Ion Ratio Lower Upper

78 100

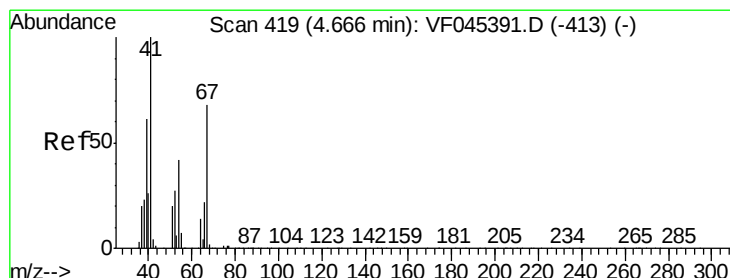
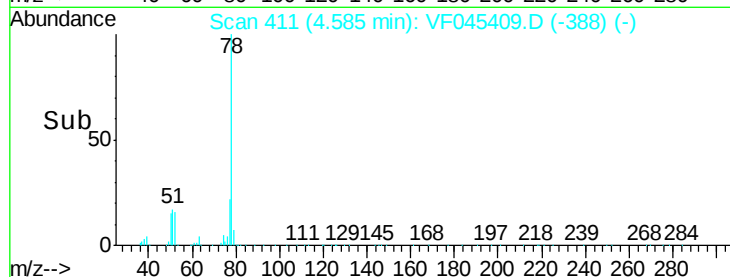
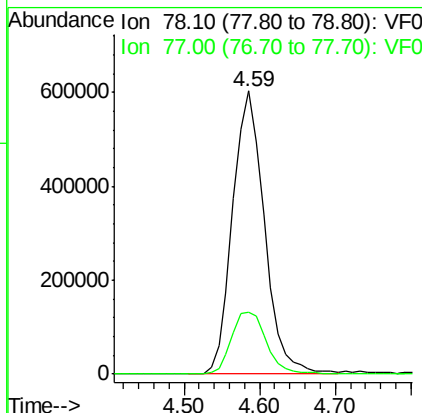
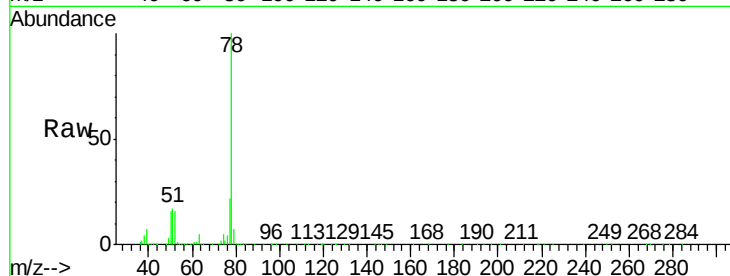
77 22.0 18.6 28.0

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#40

Methacrylonitrile

Concen: 40.91 ug/l

RT: 4.69 min Scan# 422

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion: 41 Resp: 134983

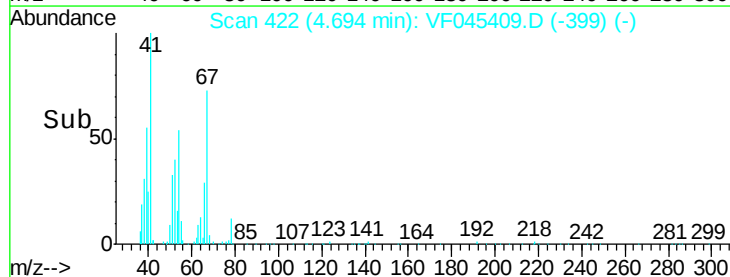
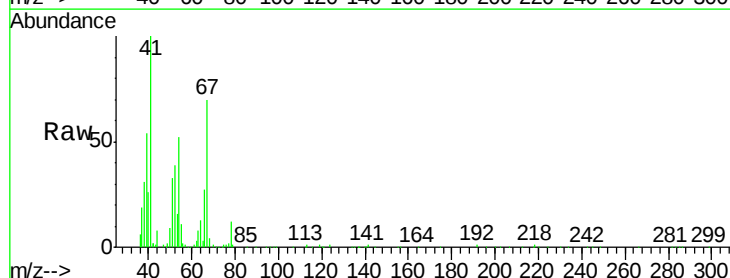
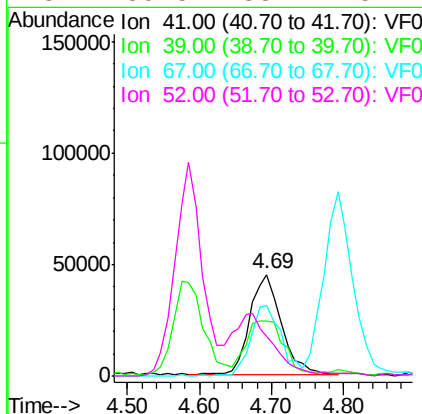
Ion Ratio Lower Upper

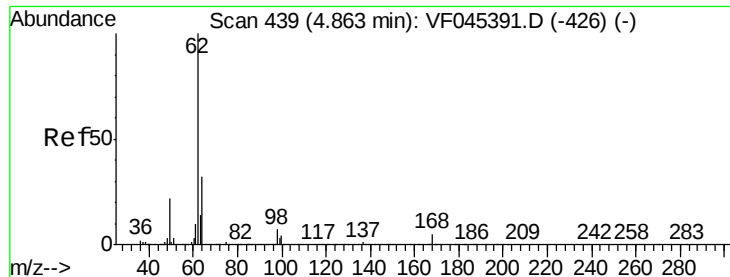
41 100

39 53.9 44.9 67.3

67 70.1 49.0 73.4

52 39.5 38.2 57.2





#41

1,2-Dichloroethane

Concen: 47.25 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

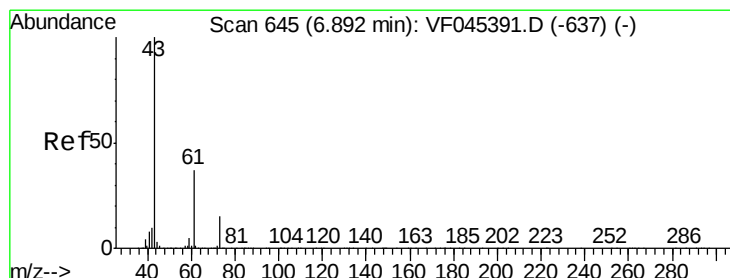
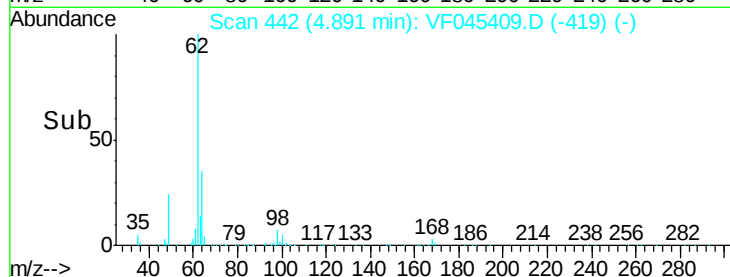
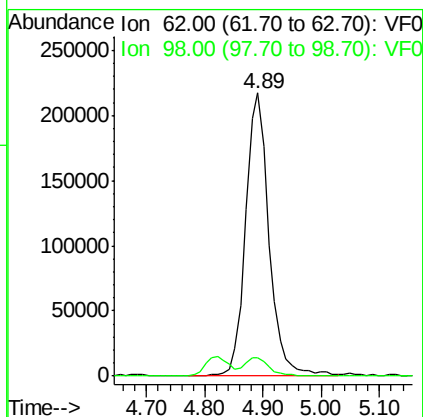
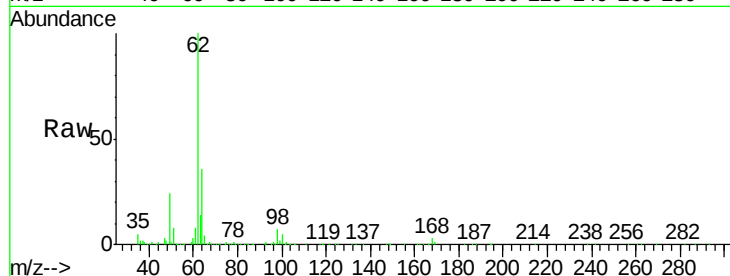
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	62	Resp:	613794
Ion Ratio		Lower	Upper
62	100		
98	6.6	0.0	17.0

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#42

Isopropyl Acetate

Concen: 46.01 ug/l

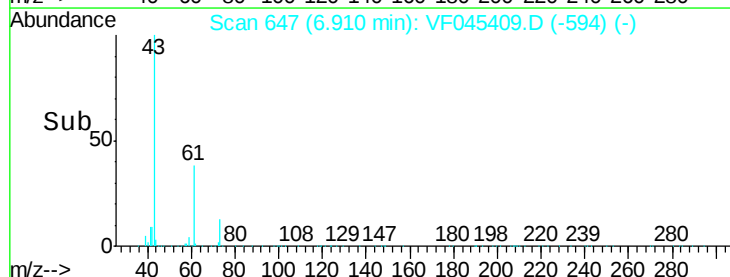
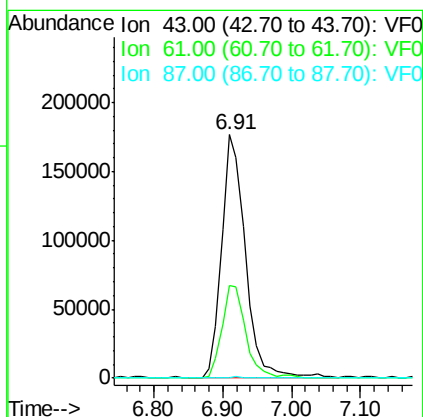
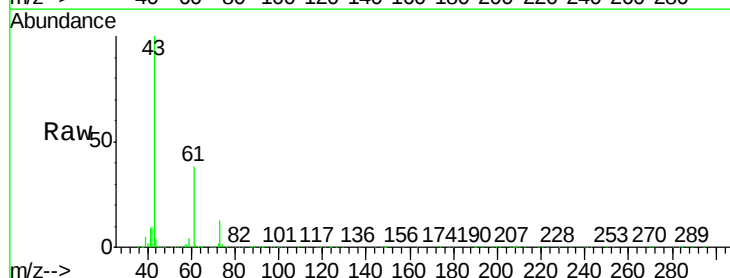
RT: 6.91 min Scan# 647

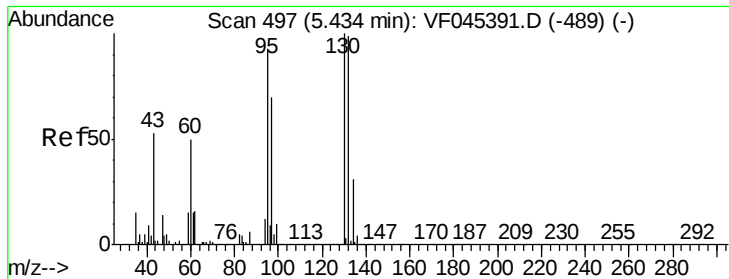
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	43	Resp:	422502
Ion Ratio		Lower	Upper
43	100		
61	38.1	29.8	44.6
87	0.4	0.2	0.2#





#43

Trichloroethene

Concen: 56.43 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion:130 Resp: 620633

Ion Ratio Lower Upper

130 100

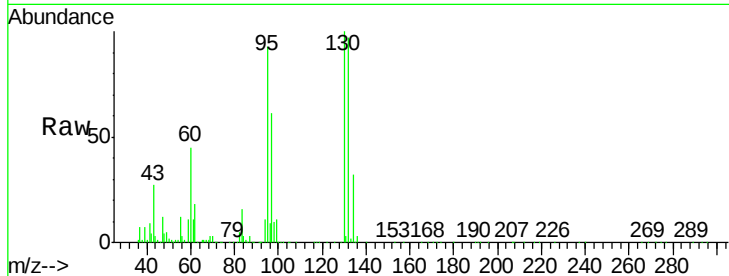
95 93.5 0.0 192.2

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

250000

200000

150000

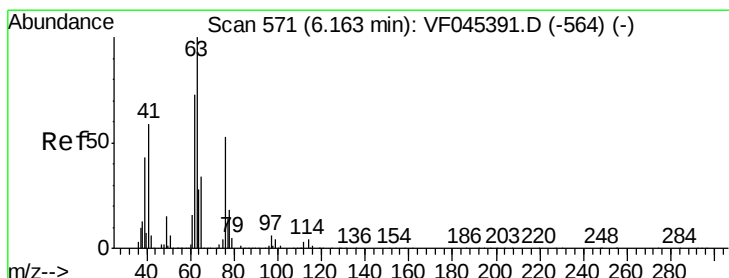
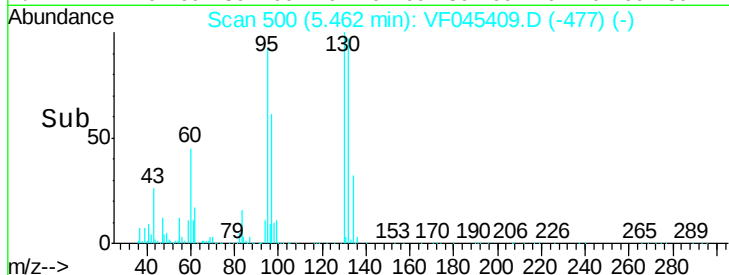
100000

50000

0

5.30 5.40 5.50 5.60

Time-->



#44

1,2-Dichloropropane

Concen: 53.66 ug/l

RT: 6.19 min Scan# 574

Delta R.T. 0.03 min

Lab File: VF045409.D

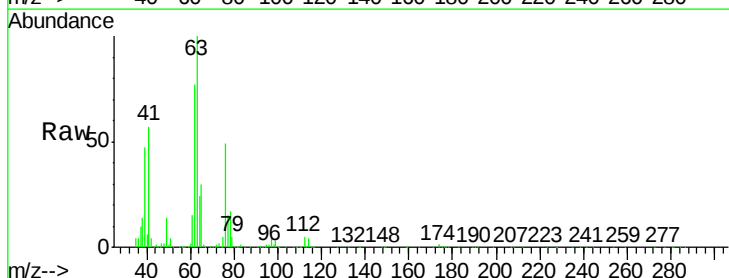
Acq: 17 Sep 2015 16:29

Tgt Ion: 63 Resp: 503515

Ion Ratio Lower Upper

63 100

65 30.2 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

200000

150000

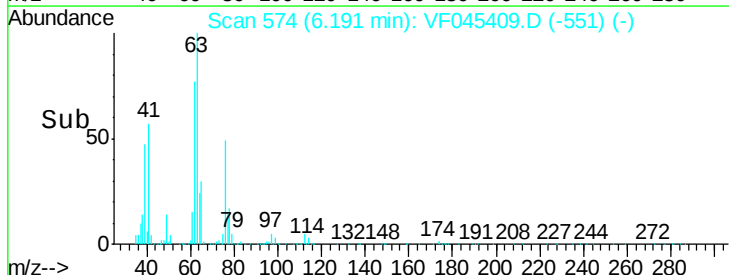
100000

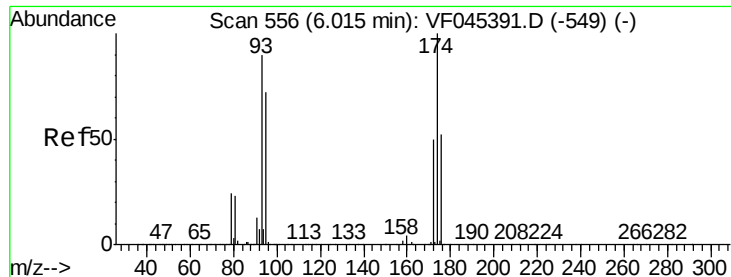
50000

0

6.00 6.10 6.20 6.30 6.40

Time-->





#45

Dibromomethane

Concen: 50.81 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

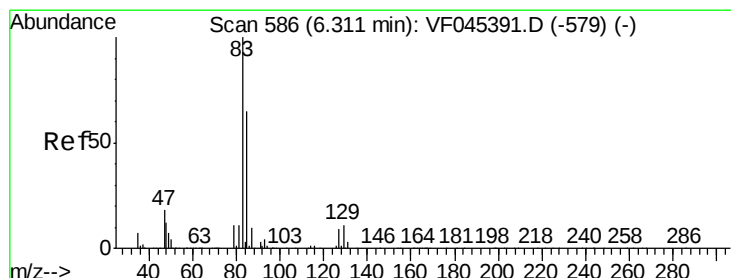
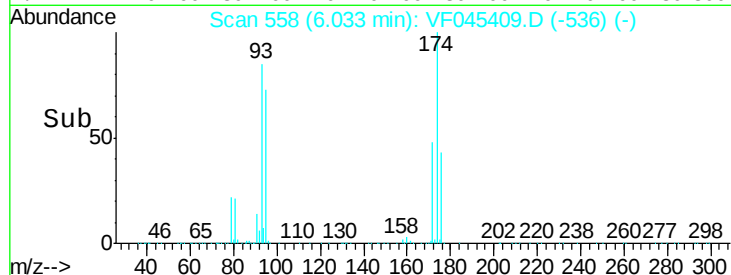
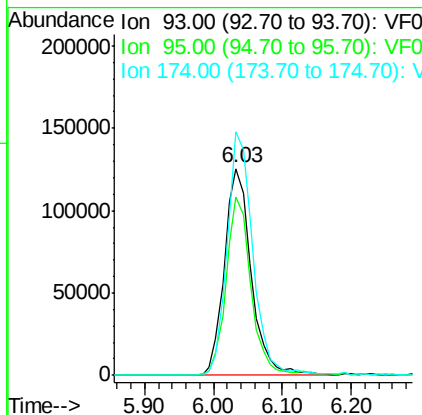
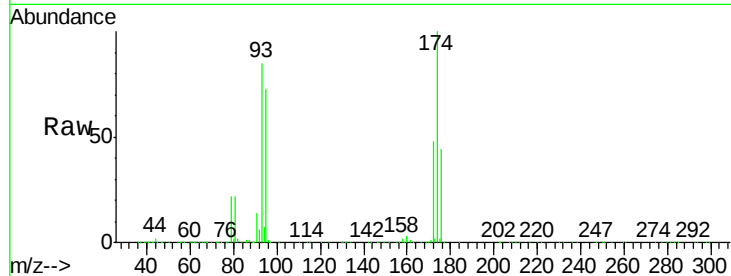
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	93	Resp:	339216
Ion Ratio	Lower	Upper	
93	100		
95	86.0	69.8	104.6
174	117.7	90.5	135.7

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#46

Bromodichloromethane

Concen: 52.03 ug/l

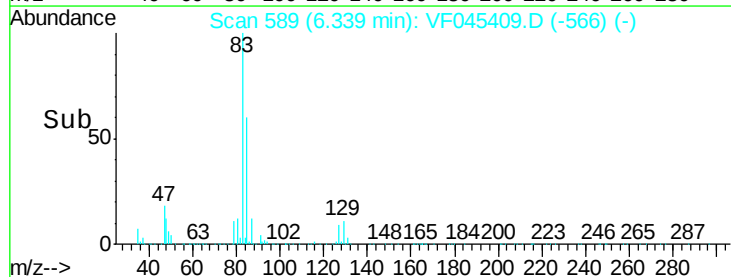
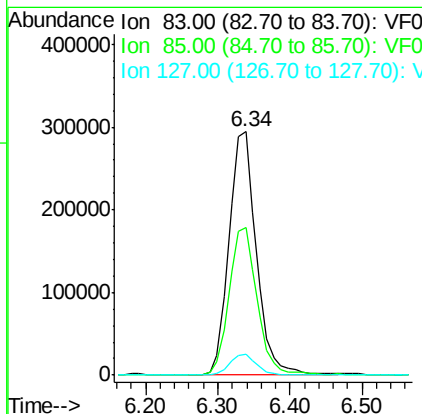
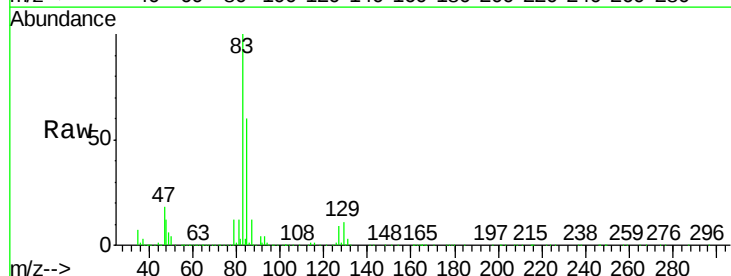
RT: 6.34 min Scan# 589

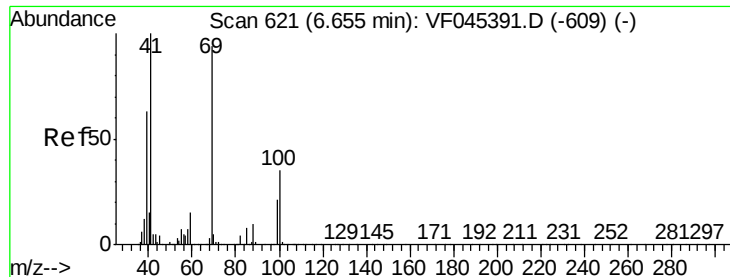
Delta R.T. 0.03 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	83	Resp:	777884
Ion Ratio	Lower	Upper	
83	100		
85	60.5	50.6	75.8
127	8.8	7.7	11.5





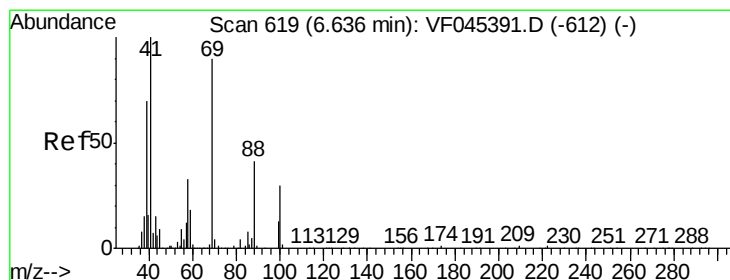
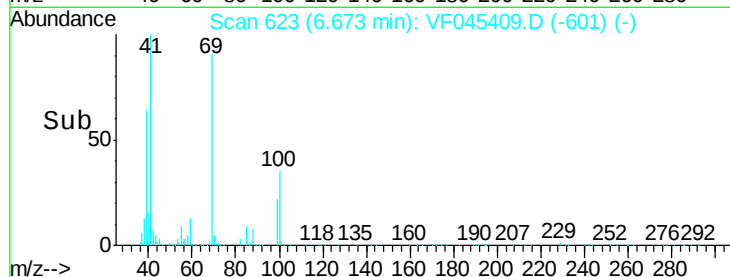
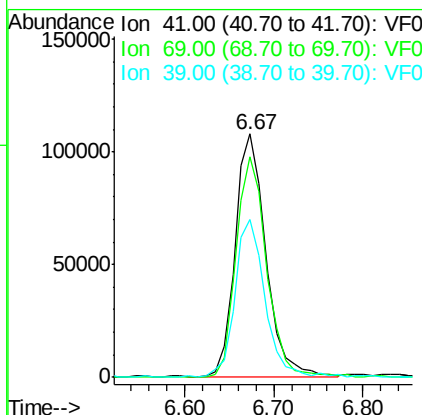
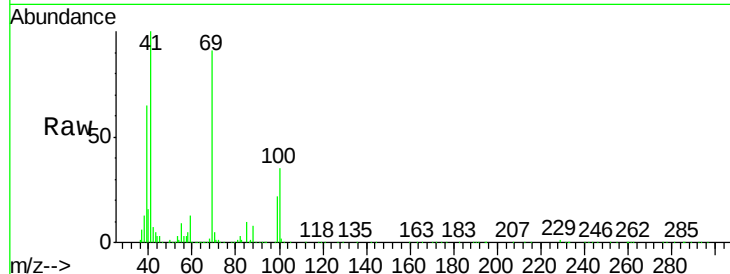
#47
Methvl methacrylate
Concen: 46.15 ug/l
RT: 6.67 min Scan# 623
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

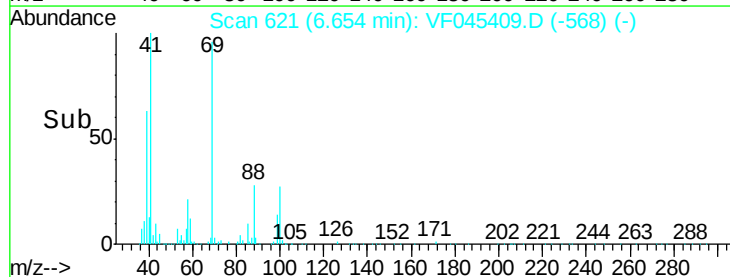
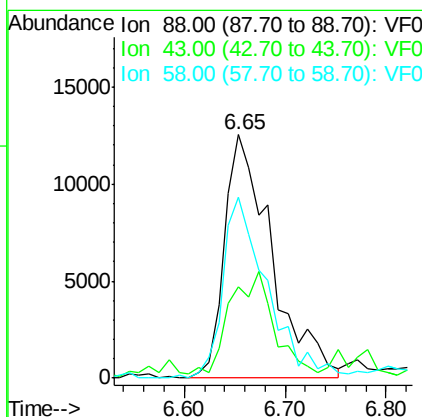
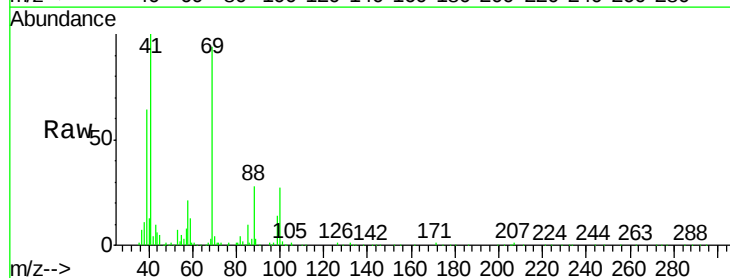
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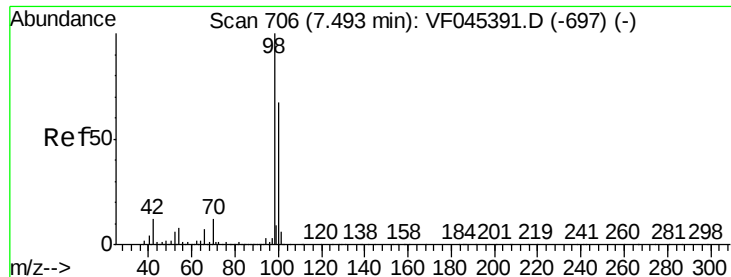
MMDadoda
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#48
1,4-Dioxane
Concen: 613.34 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

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





#49

Toluene-d8

Concen: 52.64 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tot Ion: 98 Resp: 1744198

Ion Ratio Lower Upper

98 100

100 71.6 54.4 81.6

Instrument :

MSVOA_F

ClientSampleId :

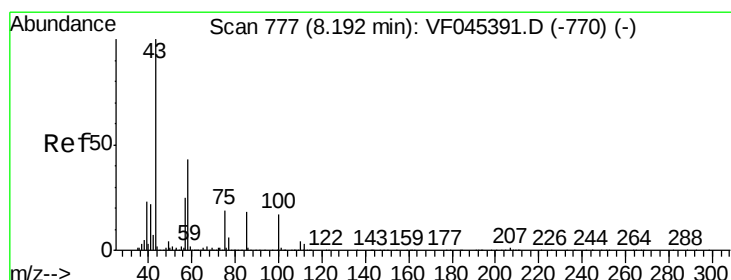
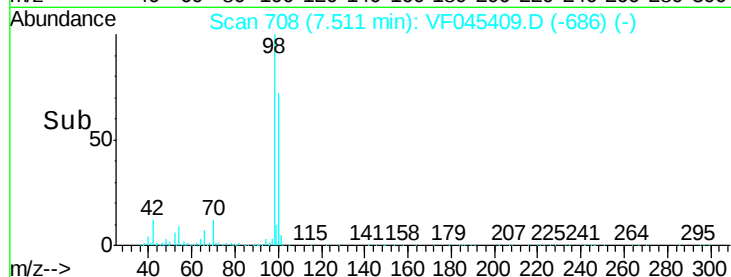
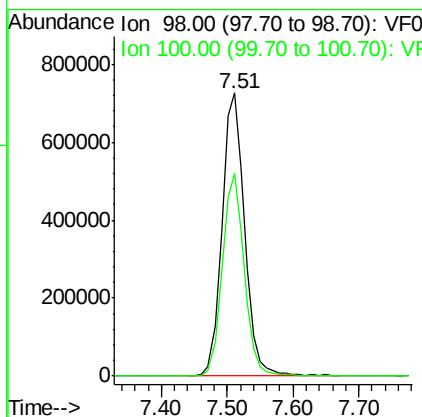
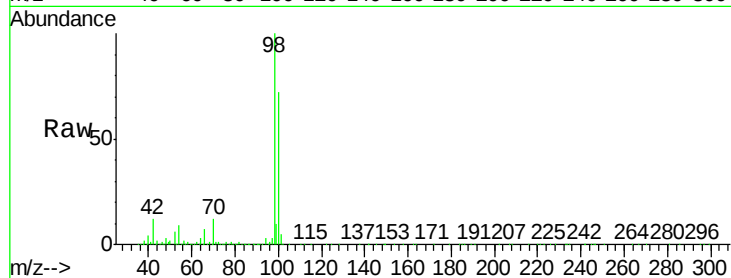
MGP209BR-29-30MS

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#50

4-Methyl-2-Pentanone

Concen: 222.51 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF045409.D

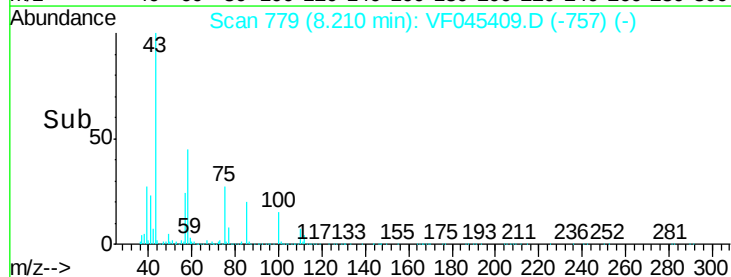
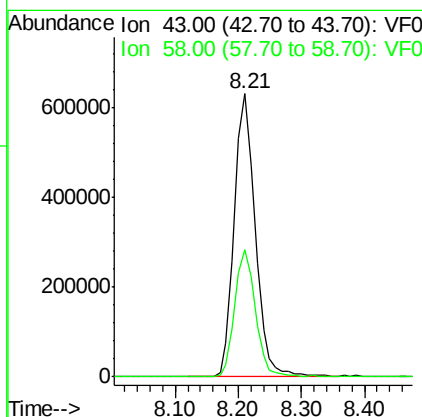
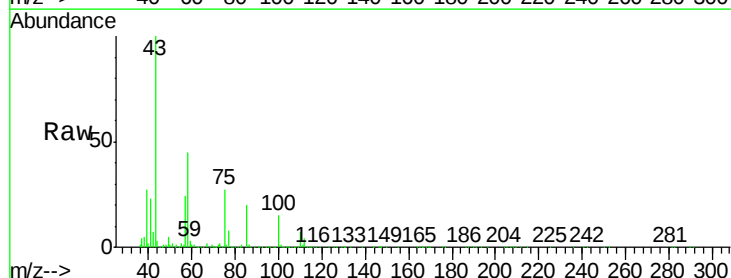
Acq: 17 Sep 2015 16:29

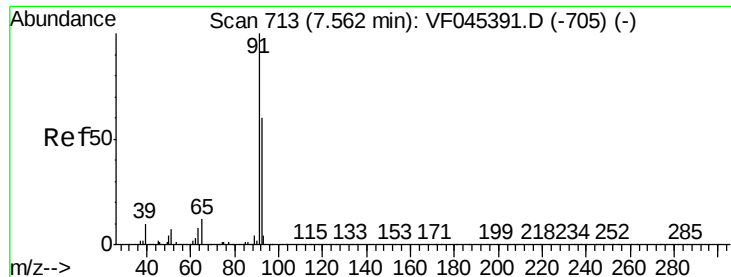
Tgt Ion: 43 Resp: 1452925

Ion Ratio Lower Upper

43 100

58 45.1 33.6 50.4





#51

Toluene

Concen: 54.70 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 92 Resp: 1357445

Ion Ratio Lower Upper

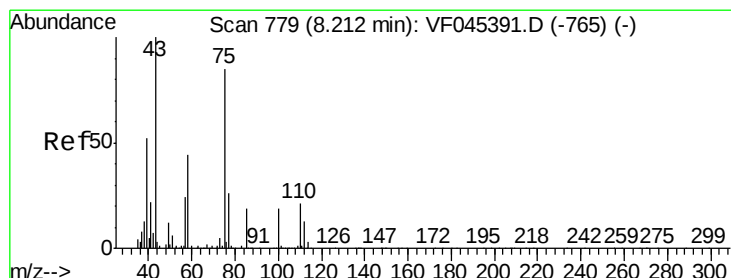
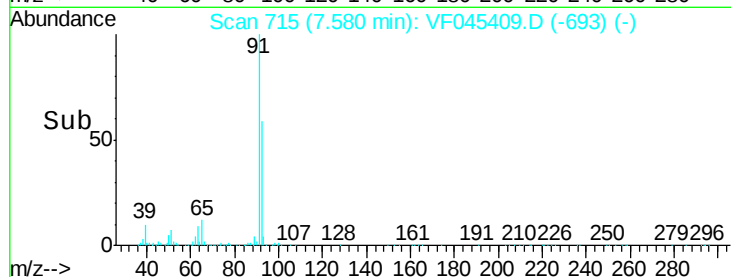
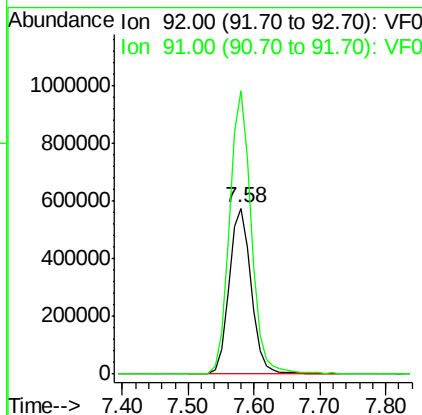
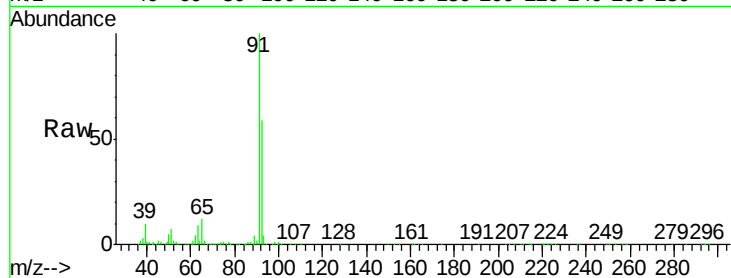
92 100

91 170.8 133.4 200.0

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#52

t-1,3-Dichloropropene

Concen: 52.96 ug/l

RT: 8.23 min Scan# 781

Delta R.T. 0.02 min

Lab File: VF045409.D

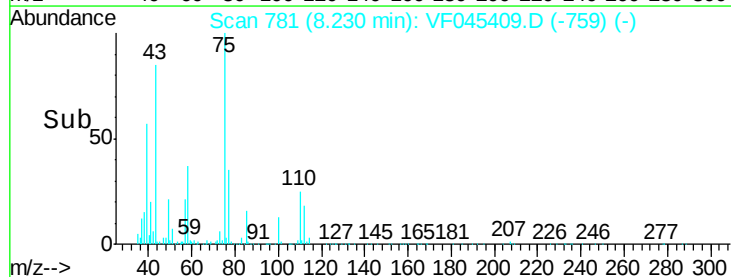
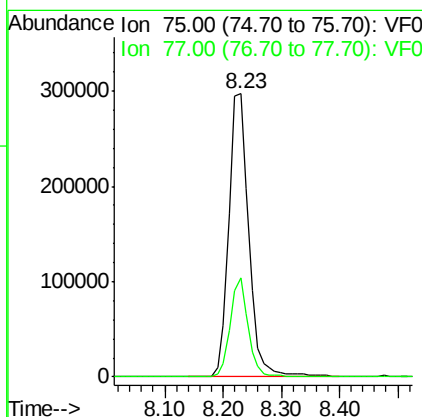
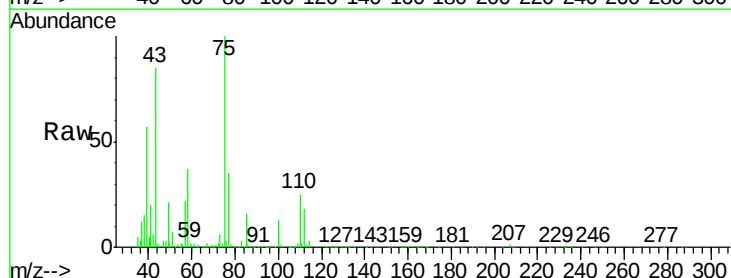
Acq: 17 Sep 2015 16:29

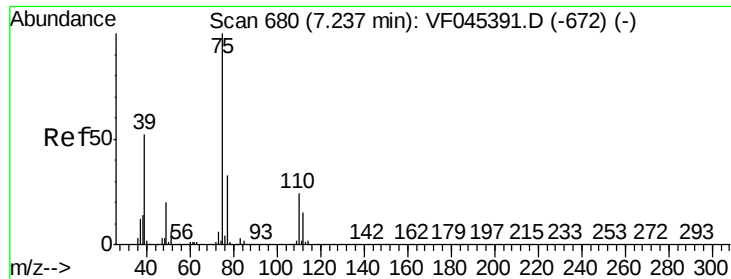
Tgt Ion: 75 Resp: 711678

Ion Ratio Lower Upper

75 100

77 34.9 28.1 42.1





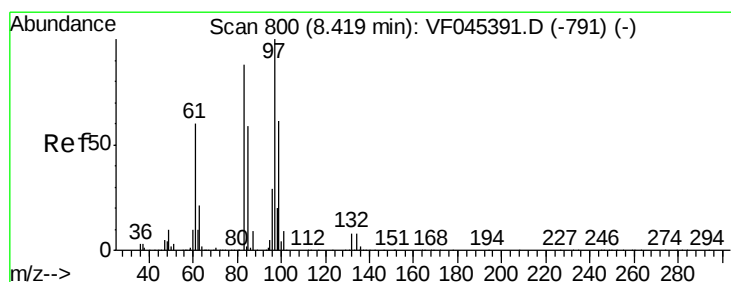
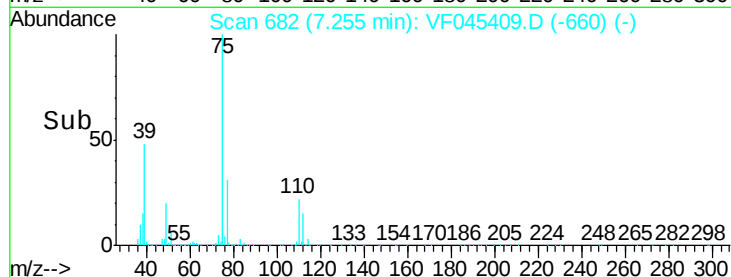
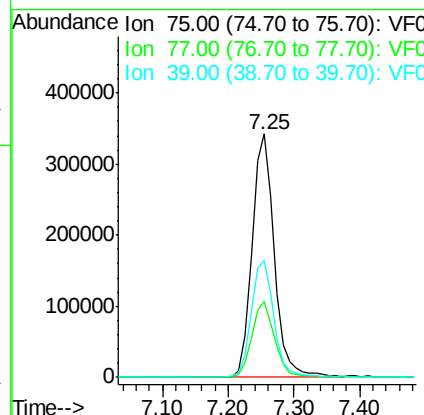
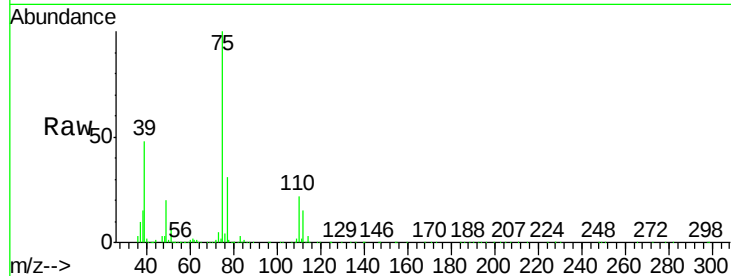
#53
 cis-1,3-Dichloropropene
 Concen: 51.11 ug/l
 RT: 7.25 min Scan# 682
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Tot Ion:	75	Resp:	811139
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.5	38.3
39	47.9	41.6	62.4

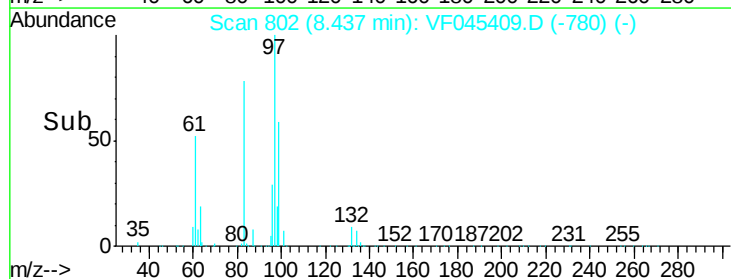
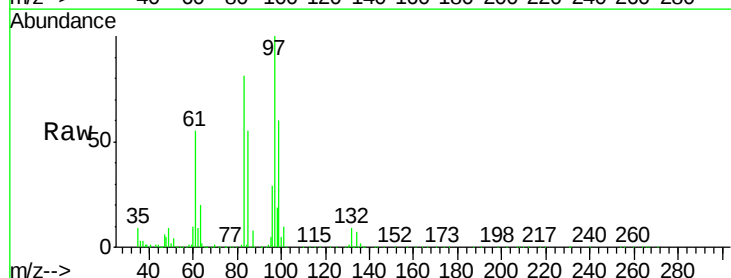
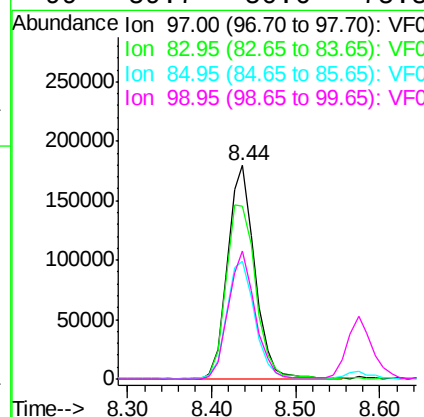
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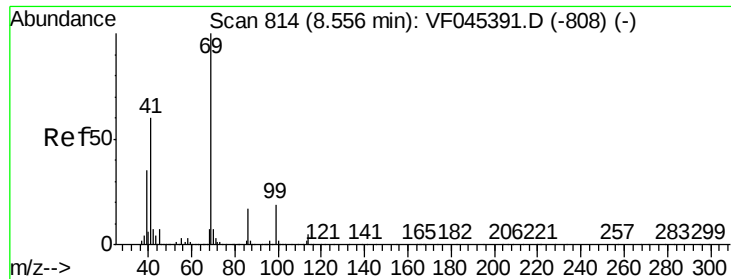
MMDadoda
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#54
 1,1,2-Trichloroethane
 Concen: 48.03 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion:	97	Resp:	403074
Ion Ratio	Lower	Upper	
97	100		
83	81.0	70.1	105.1
85	55.1	47.4	71.2
99	59.7	50.6	75.8





#55

Ethyl methacrylate

Concen: 48.19 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

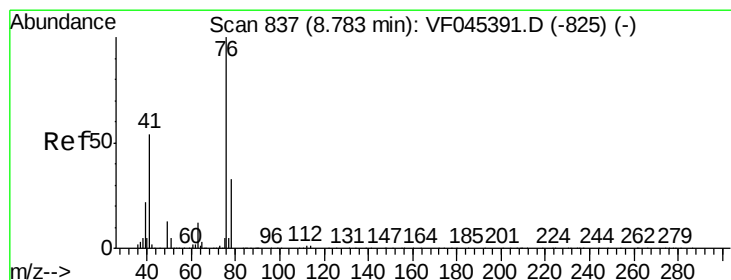
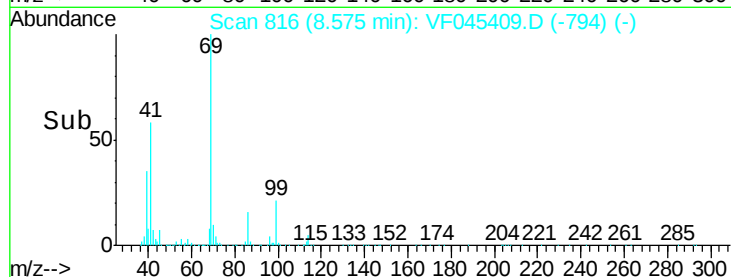
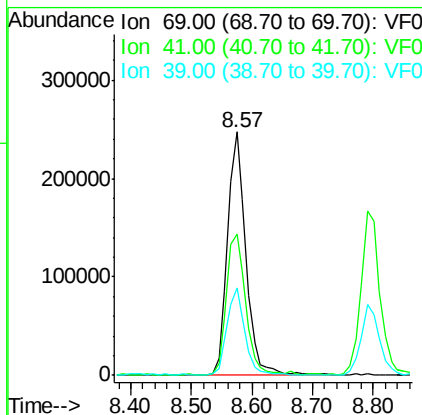
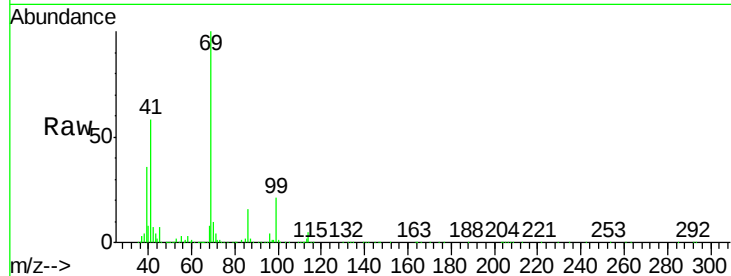
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	69	Resp:	526141
Ion	Ratio	Lower	Upper
69	100		
41	58.1	51.0	76.4
39	35.9	29.1	43.7

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#56

1,3-Dichloropropane

Concen: 48.66 ug/l

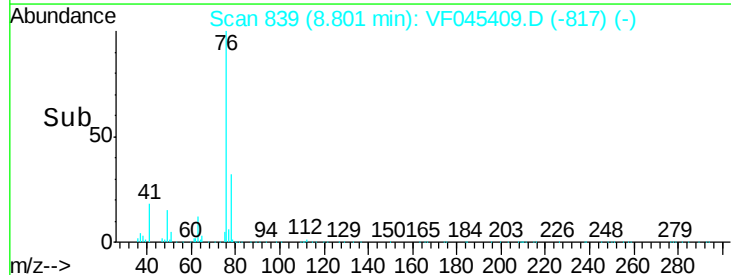
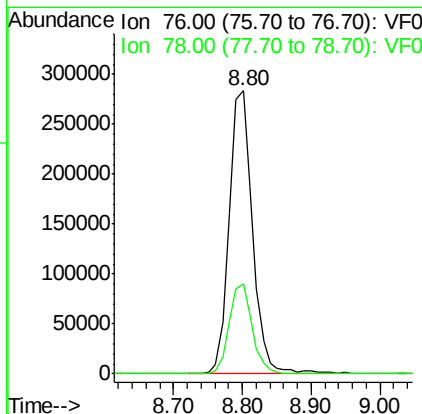
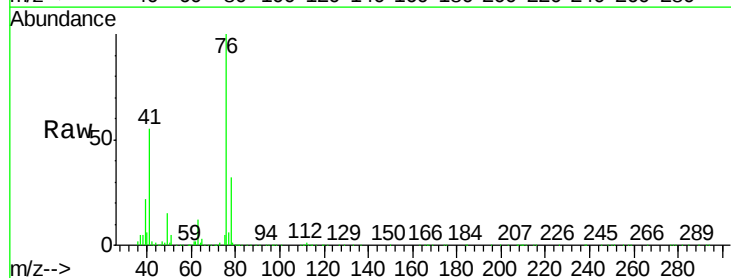
RT: 8.80 min Scan# 839

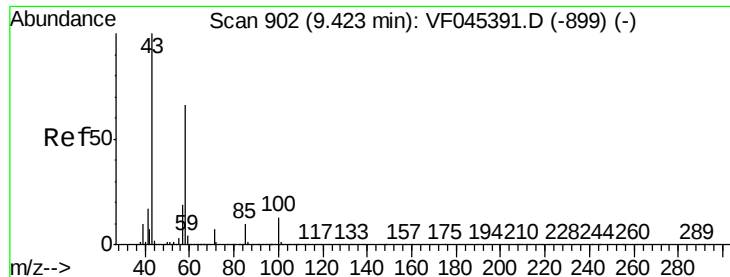
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	76	Resp:	666111
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1





#58

2-Hexanone

Concen: 229.29 ug/l

RT: 9.44 min Scan# 904

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 43 Resp: 1191699

Ion Ratio Lower Upper

43 100

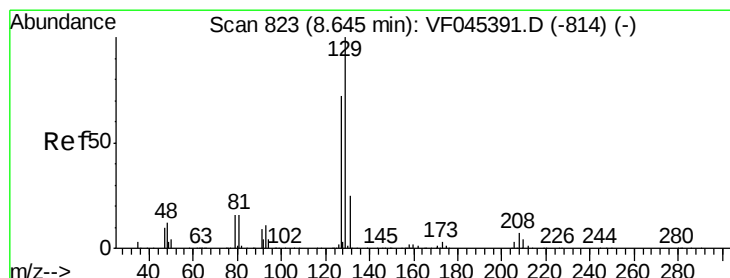
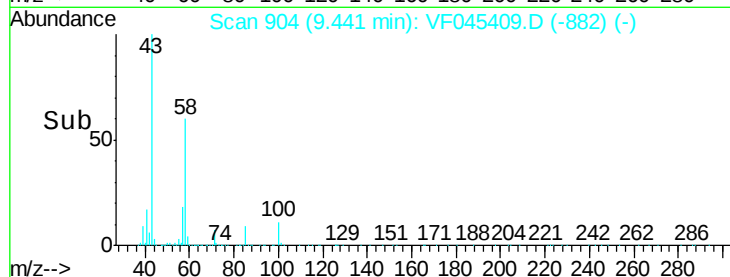
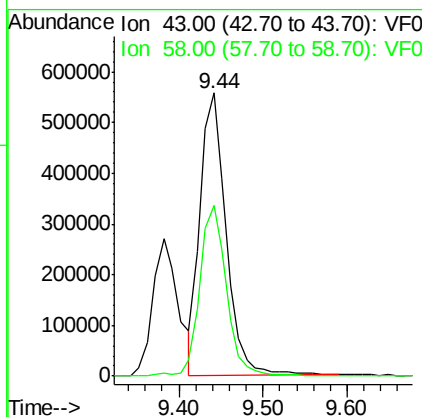
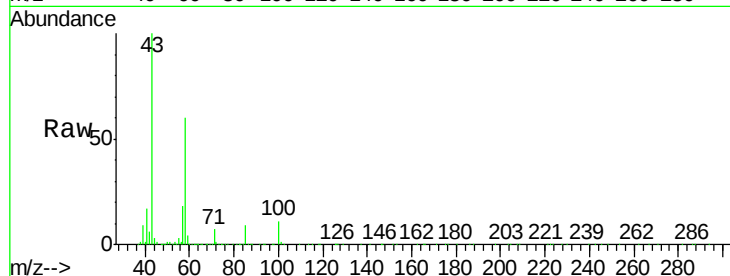
58 60.2 28.8 86.5

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#59

Dibromochloromethane

Concen: 49.42 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.02 min

Lab File: VF045409.D

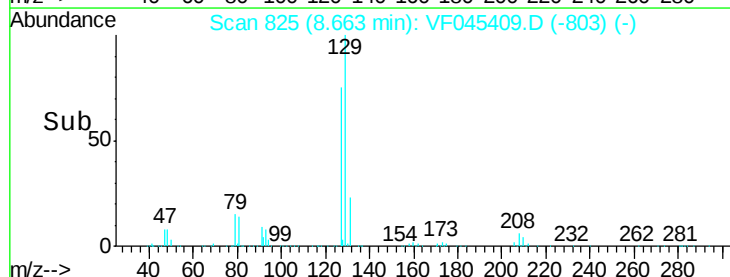
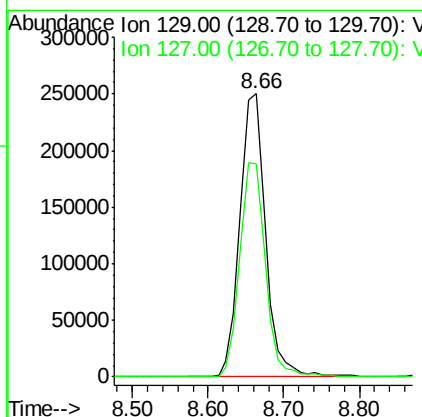
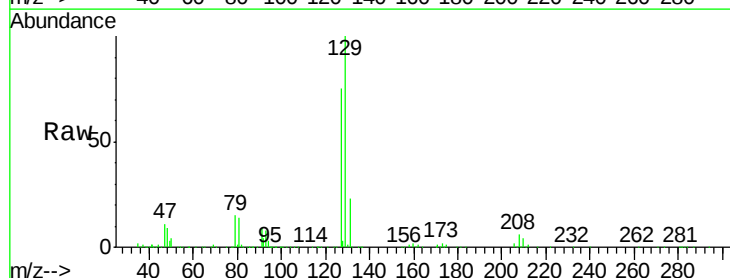
Acq: 17 Sep 2015 16:29

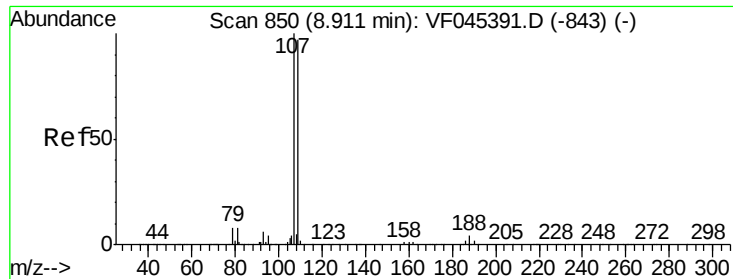
Tgt Ion: 129 Resp: 587809

Ion Ratio Lower Upper

129 100

127 75.3 38.2 114.6





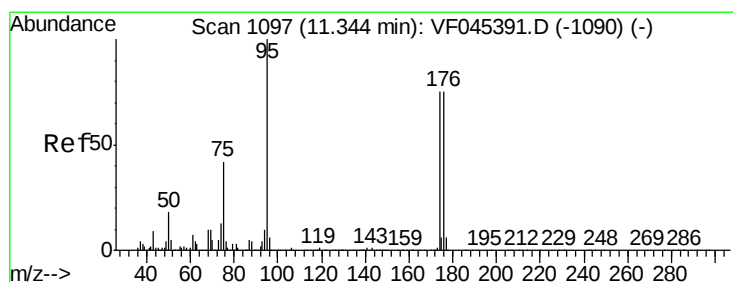
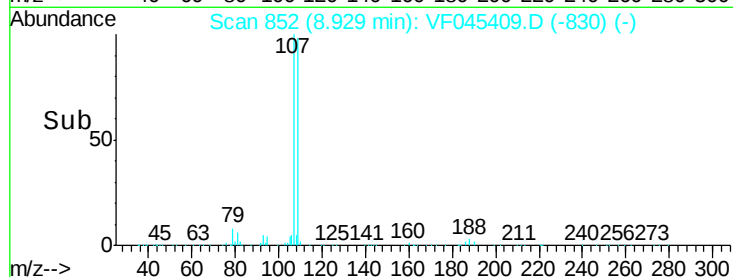
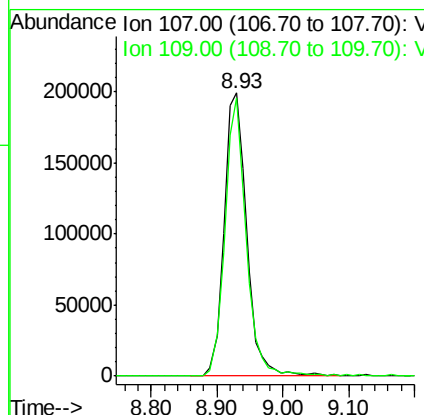
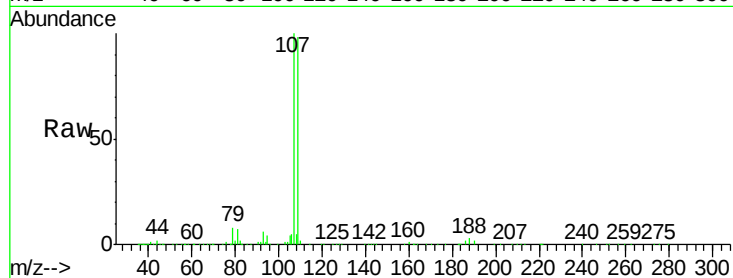
#60
 1,2-Dibromoethane
 Concen: 50.24 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.3	79.4	119.0

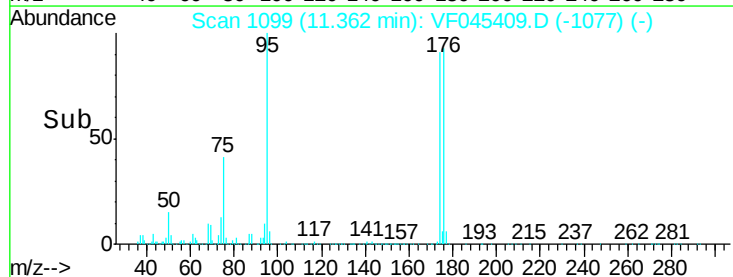
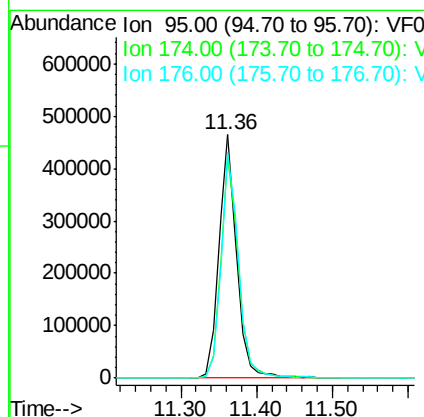
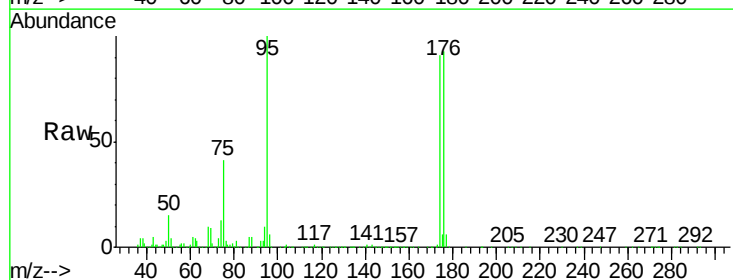
Manual Integrations
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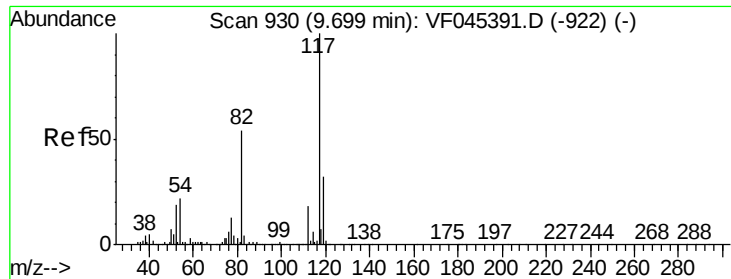
MMDadoda
 9/18/2015 12:28:55 PM



#61
 4-Bromofluorobenzene
 Concen: 47.87 ug/l
 RT: 11.36 min Scan# 1099
 Delta R.T. 0.02 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	177.8
176	92.6	0.0	176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.72 min Scan# 932

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

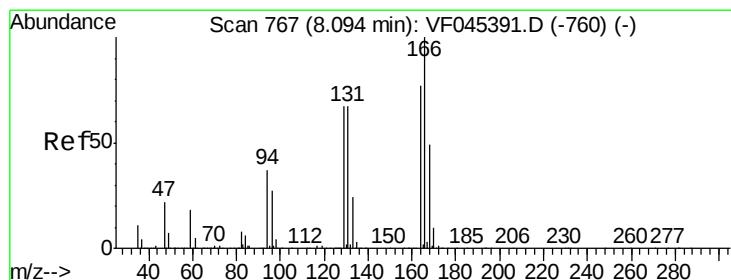
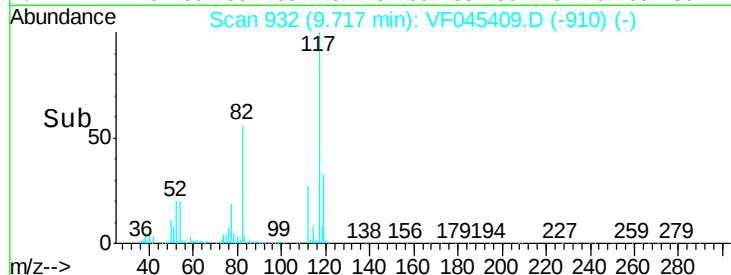
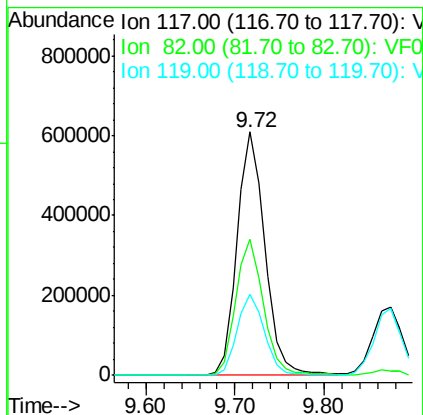
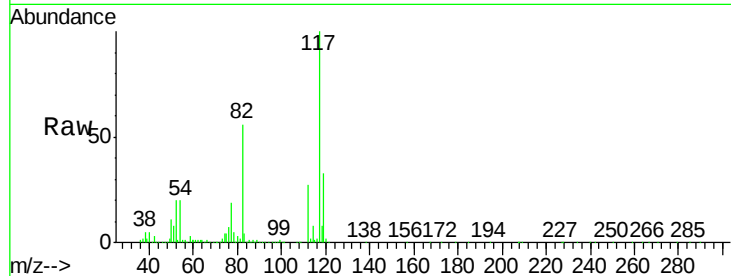
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	117	Resp:	1326783
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.6
119	33.1	26.2	39.4

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#63

Tetrachloroethene

Concen: 56.88 ug/l

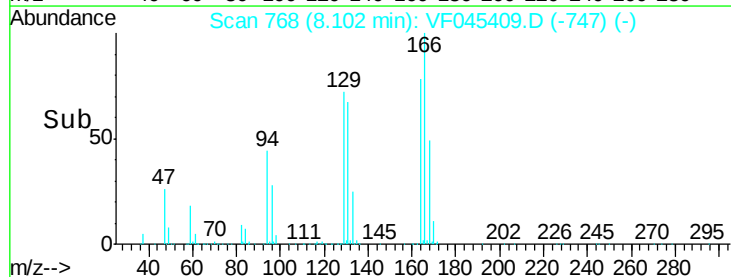
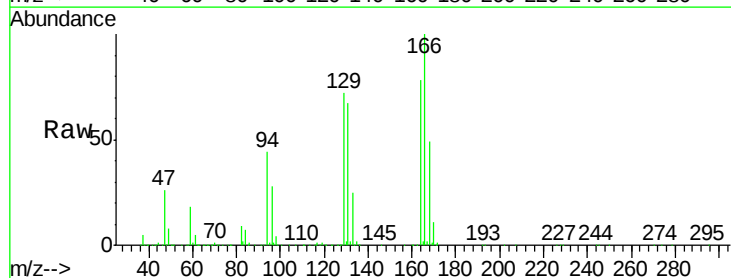
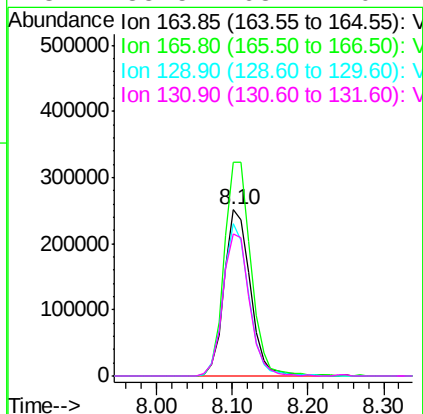
RT: 8.10 min Scan# 768

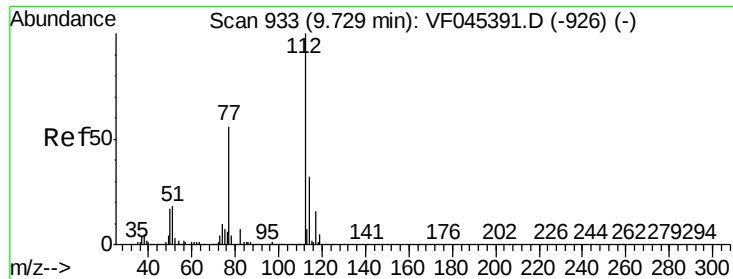
Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	164	Resp:	599565
Ion	Ratio	Lower	Upper
164	100		
166	128.5	106.0	159.0
129	92.0	69.8	104.6
131	85.5	68.2	102.4





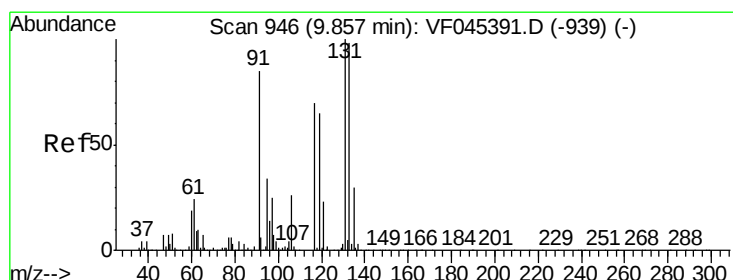
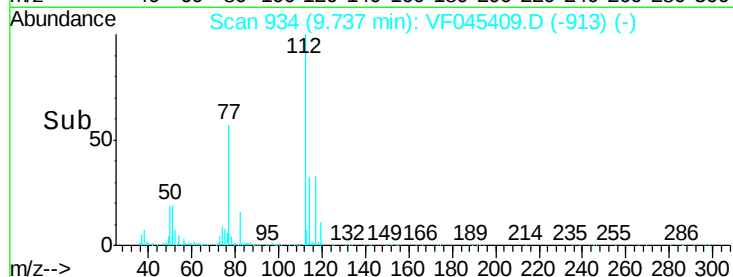
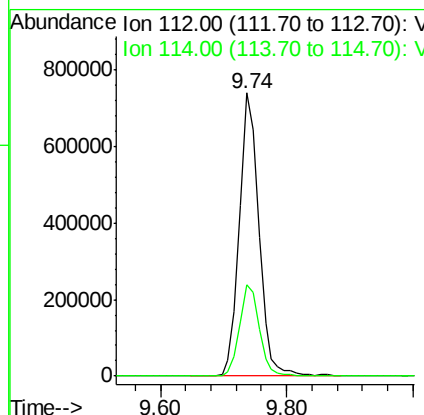
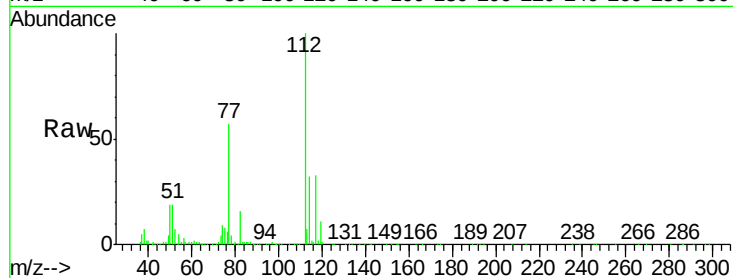
#64
Chlorobenzene
Concen: 56.57 ug/l
RT: 9.74 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

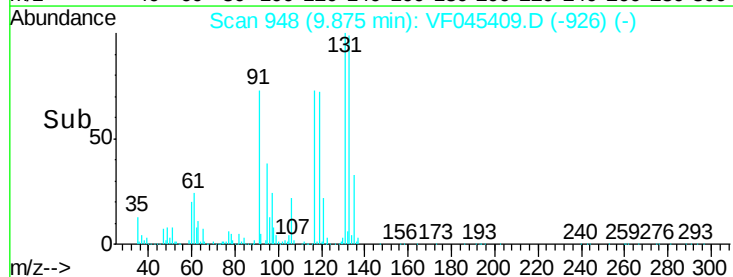
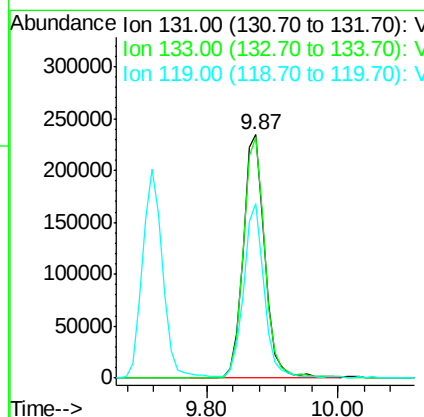
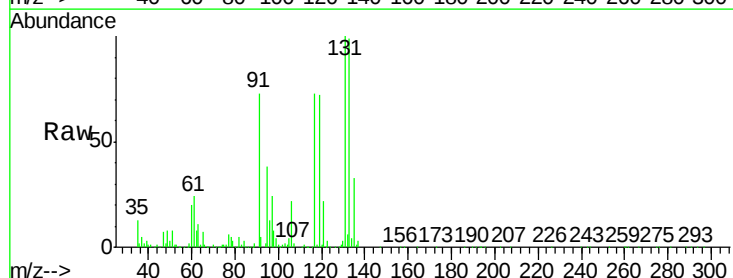
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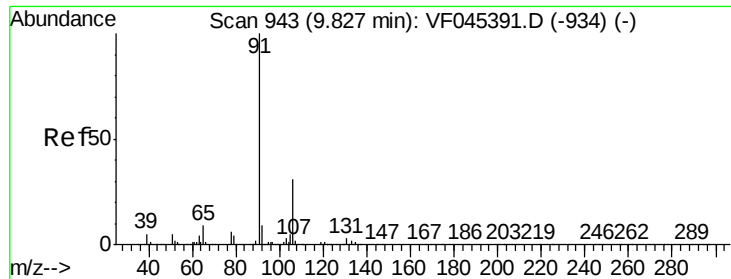
MMDadoda
9/18/2015 12:28:55 PM



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

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





#66

Ethyl Benzene

Concen: 55.40 ug/l

RT: 9.85 min Scan# 945

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 91 Resp: 2672028

Ion Ratio Lower Upper

91 100

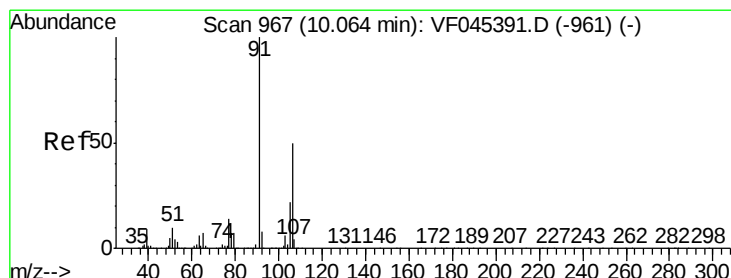
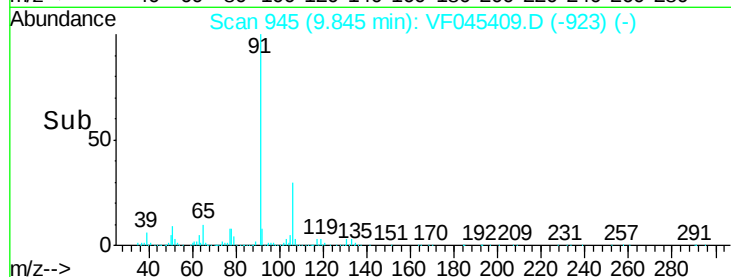
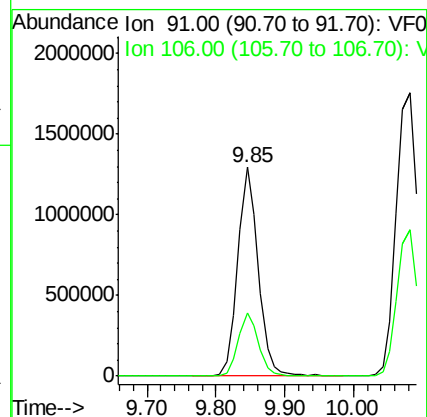
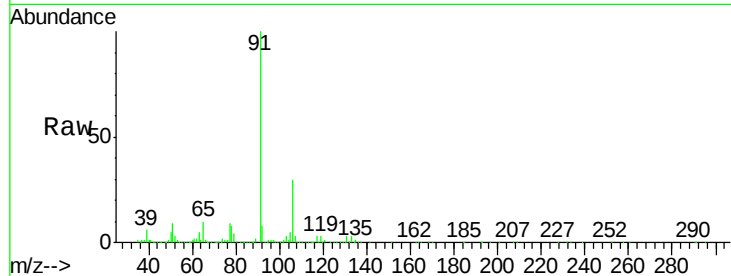
106 30.0 23.6 35.4

Manual Integrations

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#67

m/p-Xylenes

Concen: 113.17 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.02 min

Lab File: VF045409.D

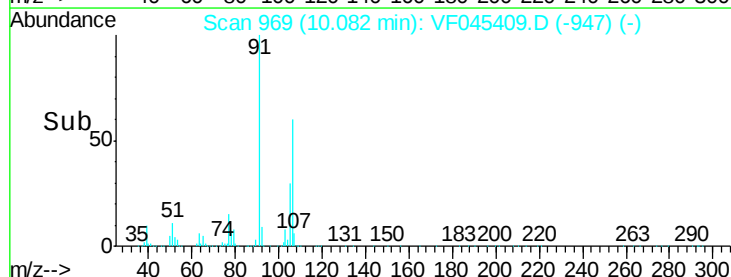
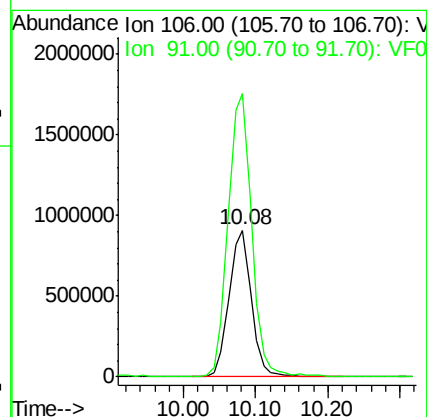
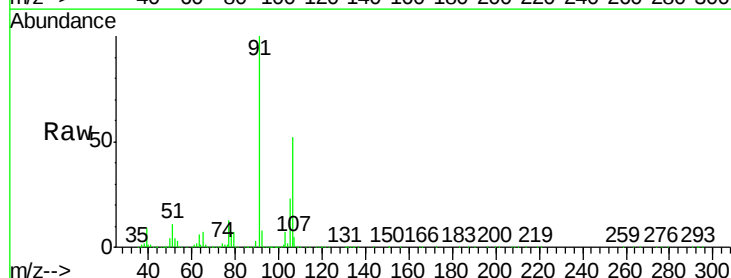
Acq: 17 Sep 2015 16:29

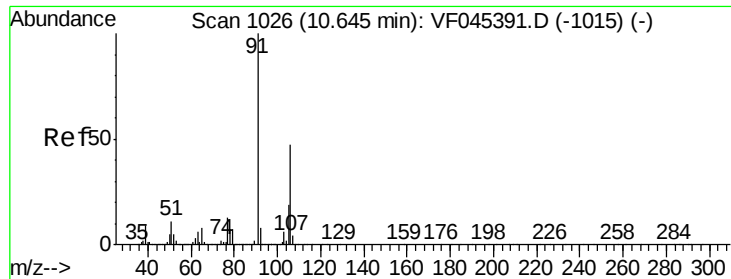
Tgt Ion: 106 Resp: 1956289

Ion Ratio Lower Upper

106 100

91 192.7 166.1 249.1





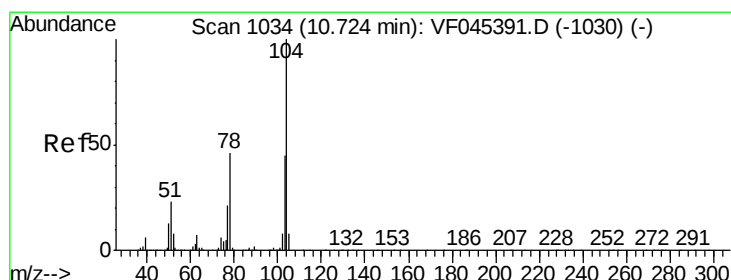
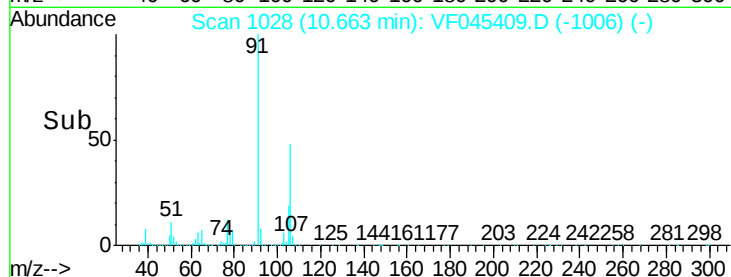
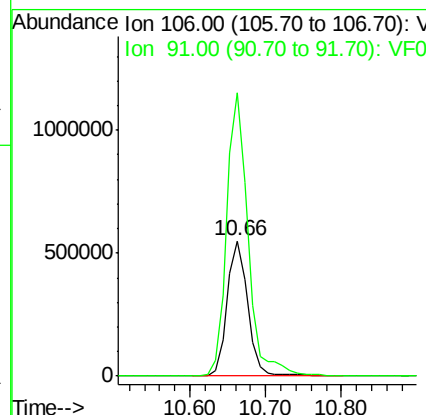
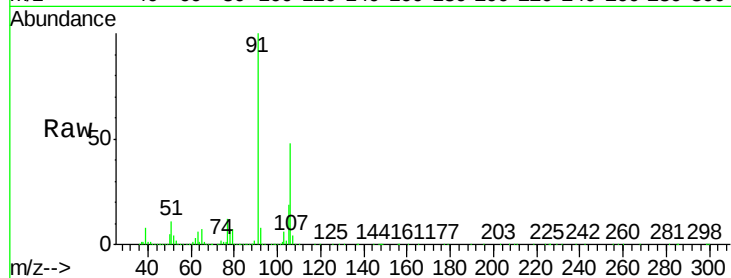
#68
o-Xylene
Concen: 58.18 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

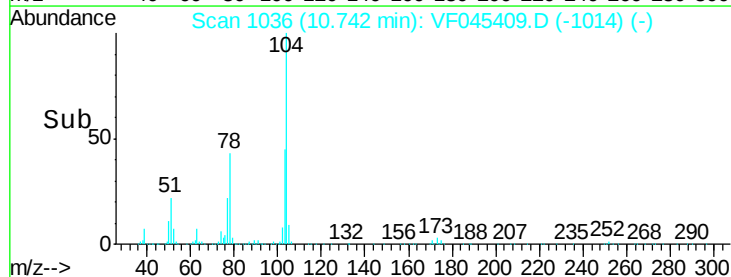
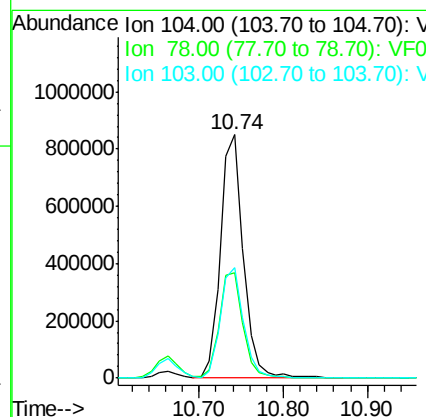
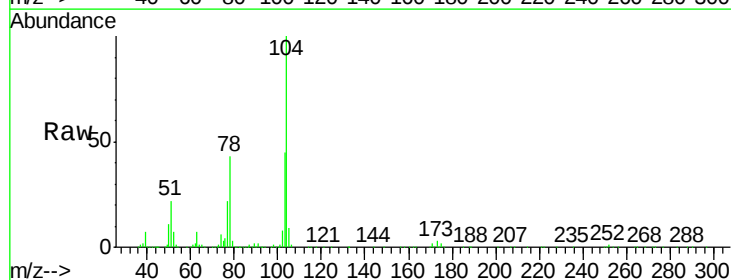
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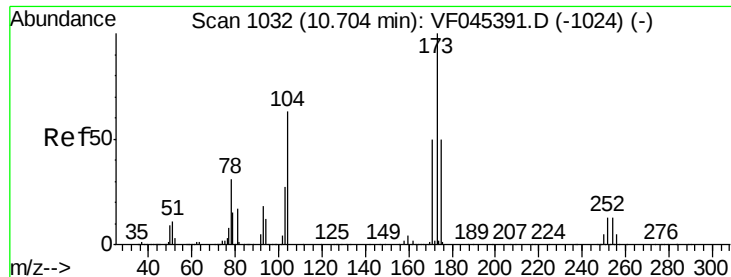
MMDadoda
9/18/2015 12:28:55 PM



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

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





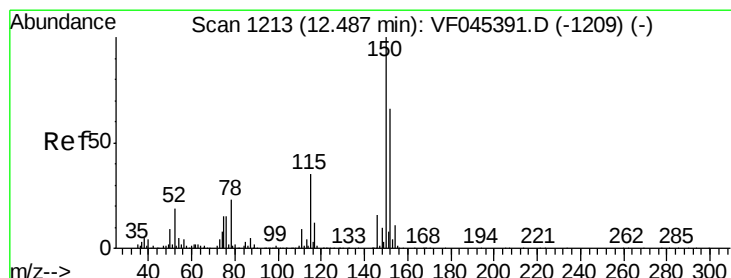
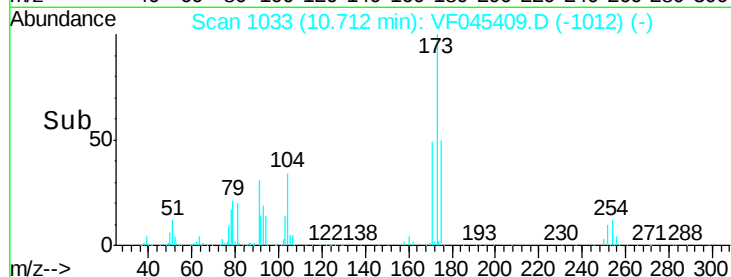
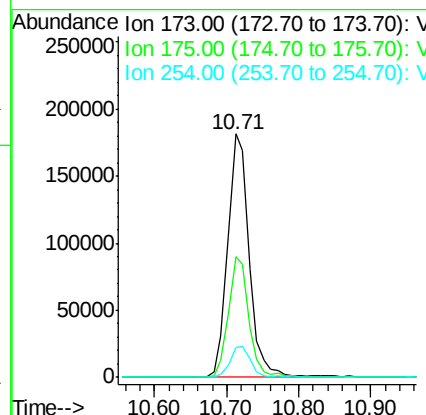
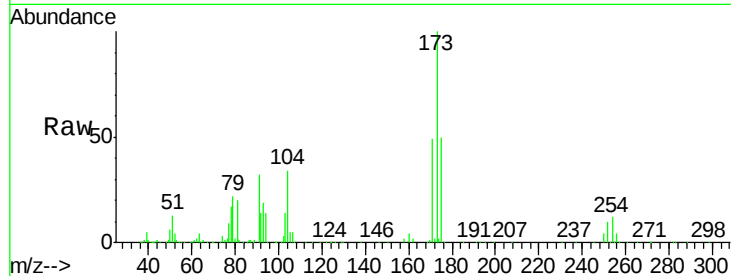
#70
Bromoform
Concen: 49.78 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

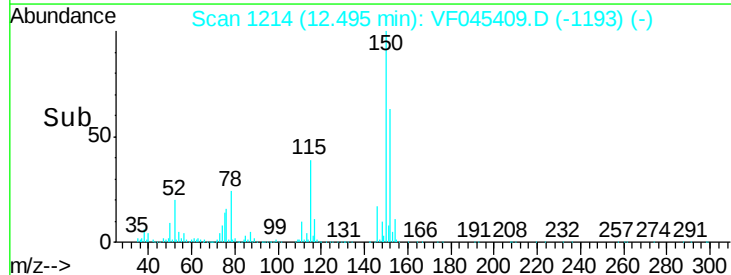
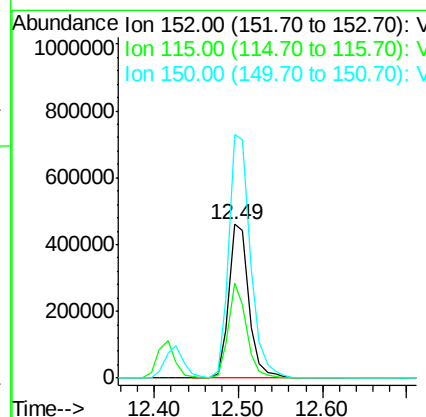
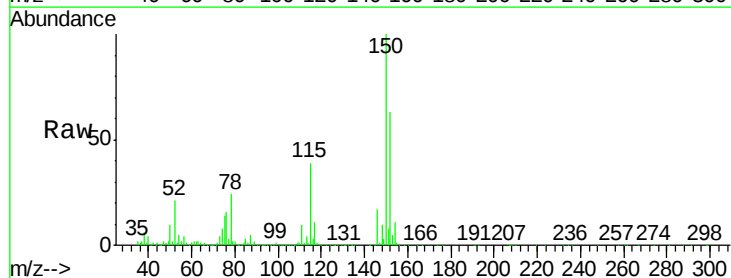
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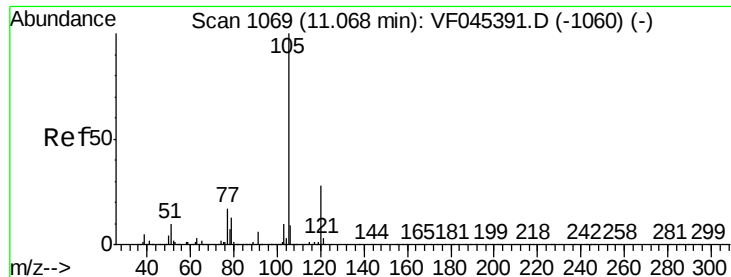
MMDadoda
9/18/2015 12:28:55 PM



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

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





#72

Isopropylbenzene

Concen: 54.76 ug/l

RT: 11.08 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion:105 Resp: 2806523

Ion Ratio Lower Upper

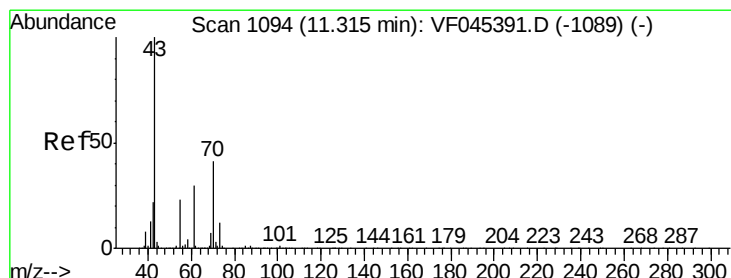
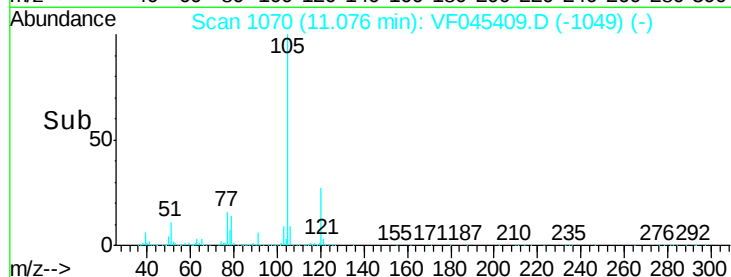
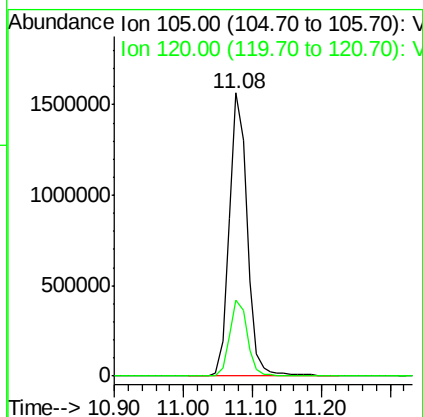
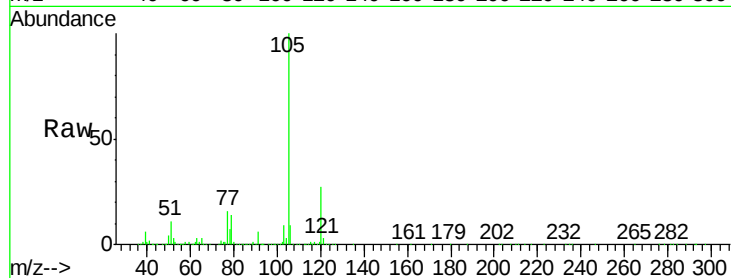
105 100

120 26.7 13.0 39.0

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#73

N-ethyl acetate

Concen: 50.02 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion: 43 Resp: 710481

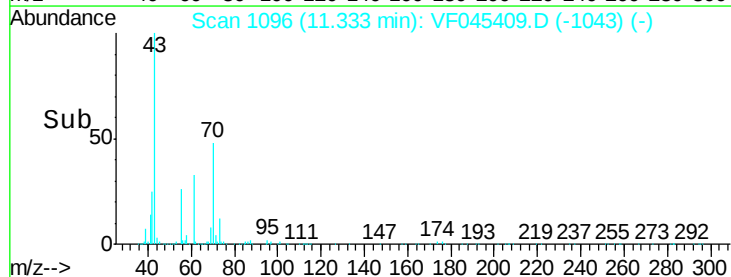
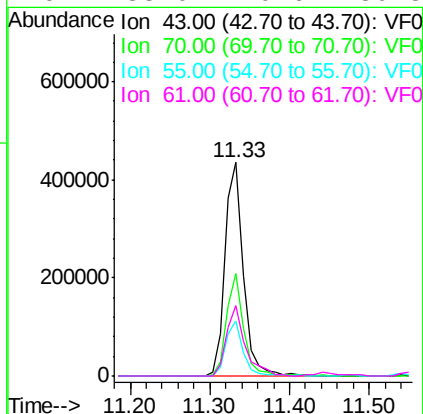
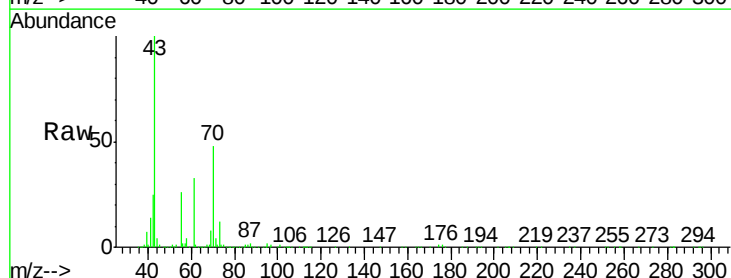
Ion Ratio Lower Upper

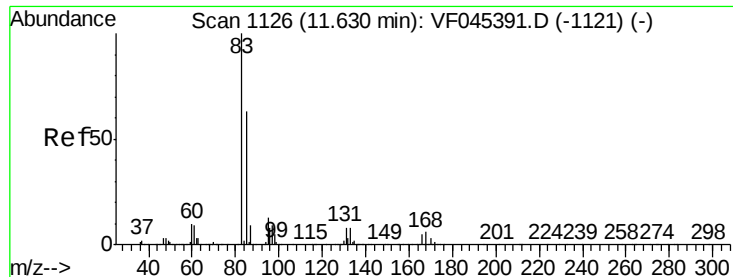
43 100

70 48.1 30.0 45.0#

55 25.8 16.8 25.2#

61 33.0 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 45.22 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

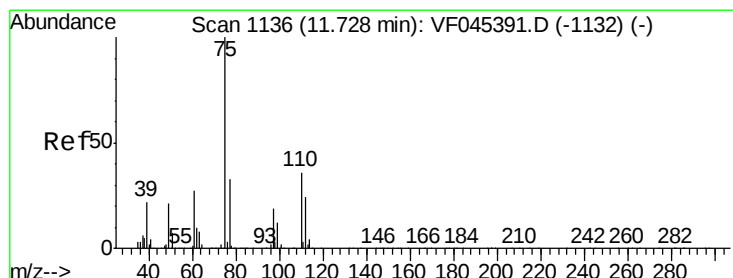
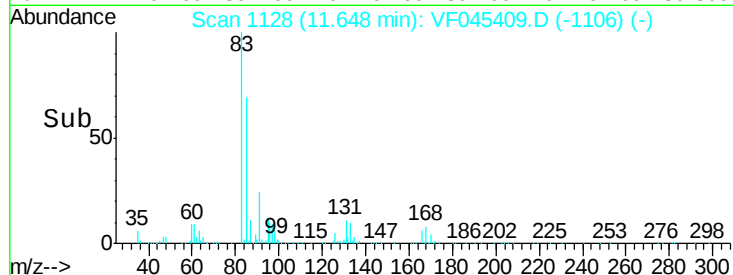
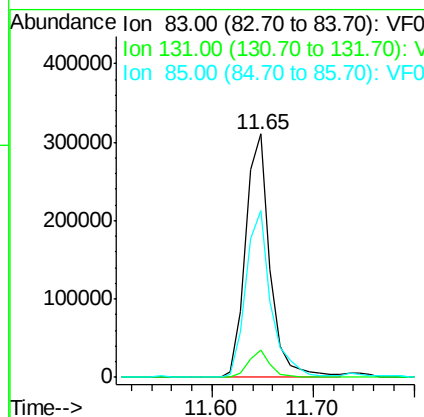
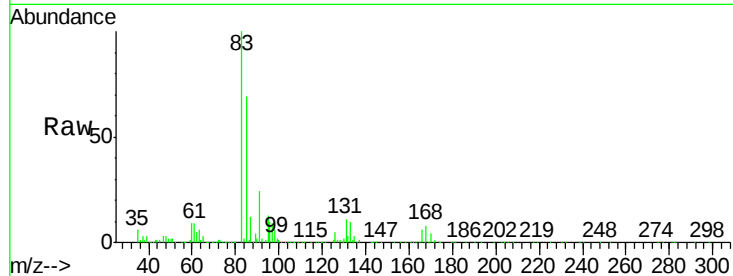
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	83	Resp:	525257
Ion Ratio		Lower	Upper
83	100		
131	11.2	4.2	12.6
85	68.6	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 49.54 ug/l

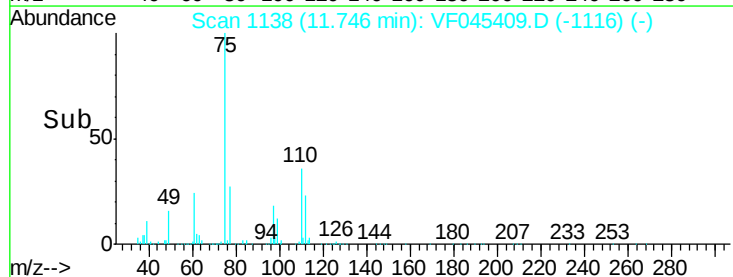
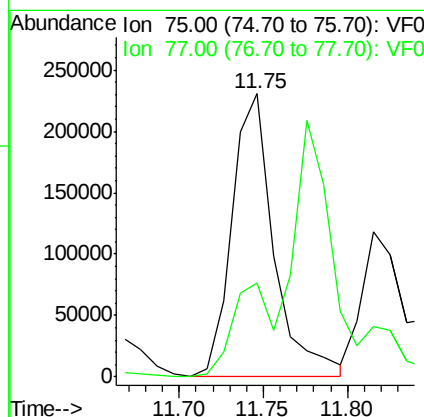
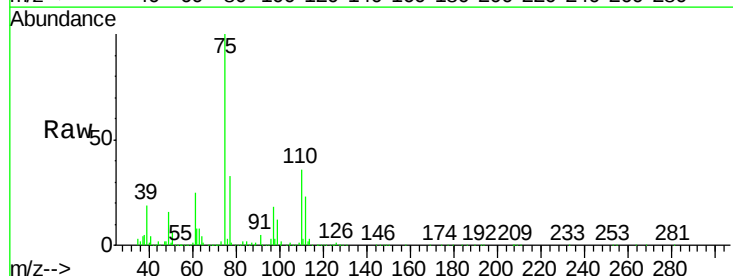
RT: 11.75 min Scan# 1138

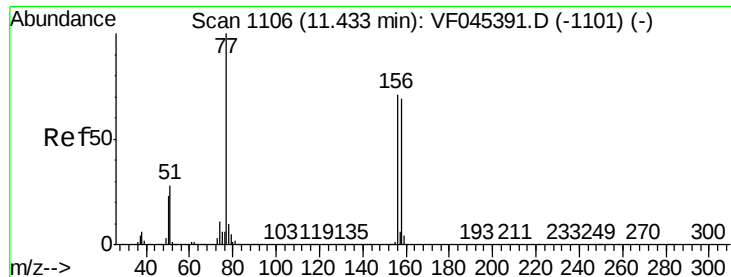
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	75	Resp:	395686
Ion Ratio		Lower	Upper
75	100		
77	33.1	15.0	45.1





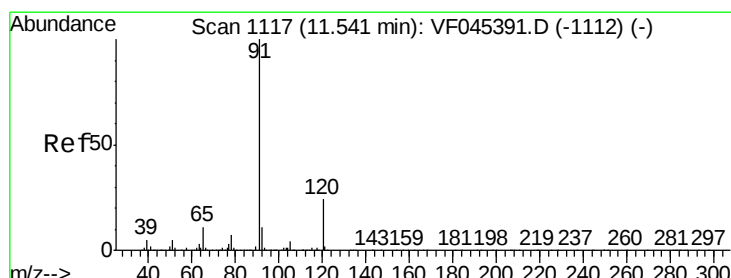
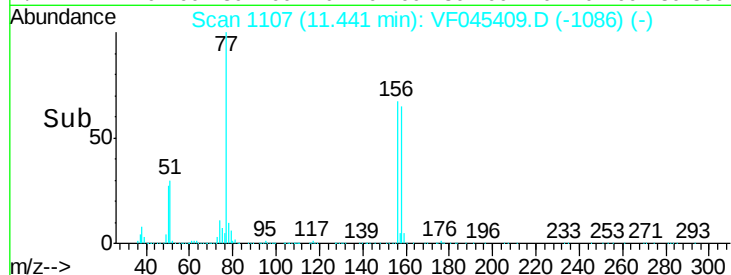
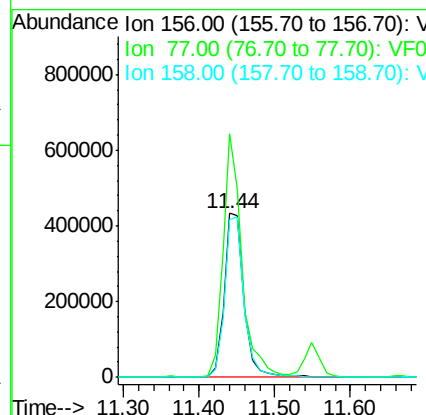
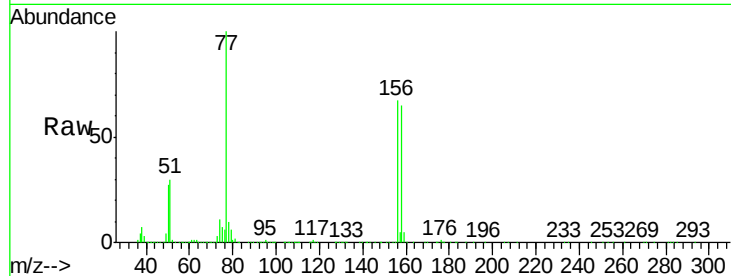
#76
Bromobenzene
Concen: 53.74 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

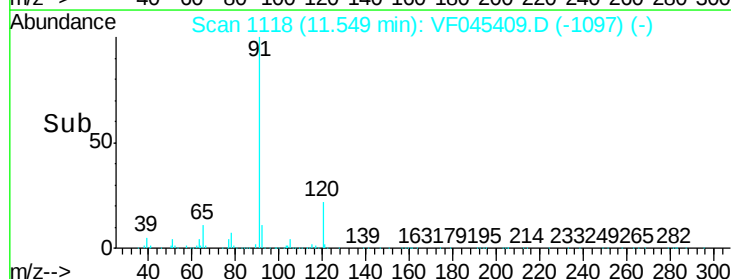
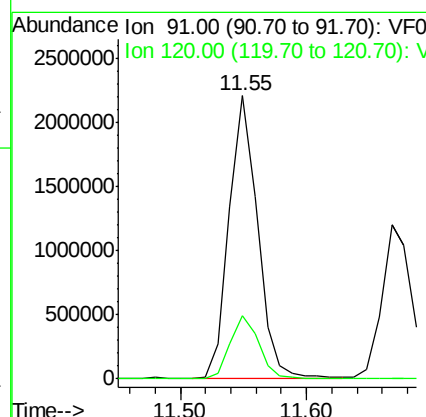
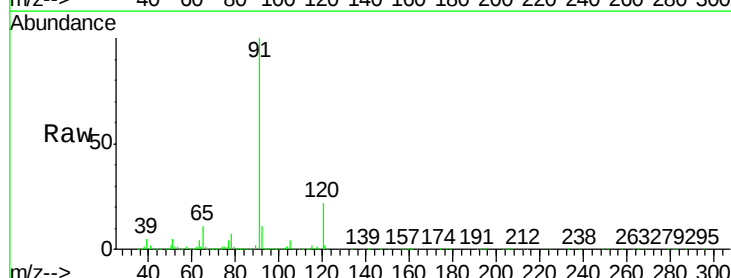
Manual Integrations
APPROVED

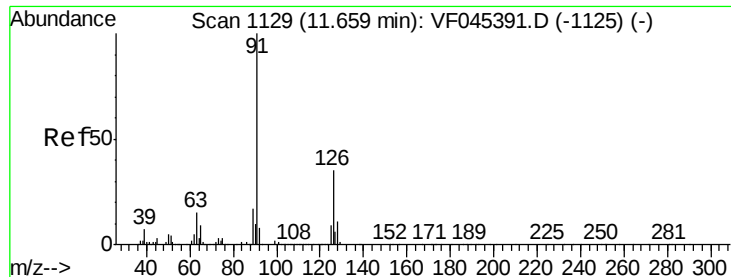
MMDadoda
9/18/2015 12:28:55 PM



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

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





#78

2-Chlorotoluene

Concen: 54.73 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MS

Tot Ion: 91 Resp: 1947865

Ion Ratio Lower Upper

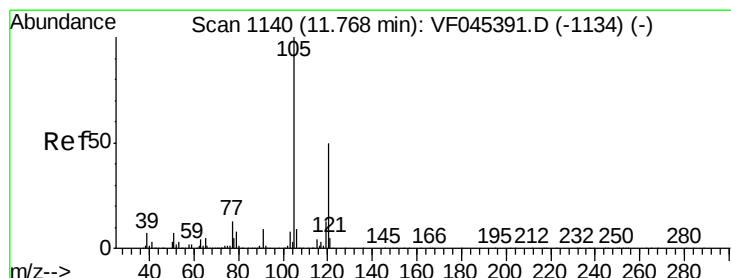
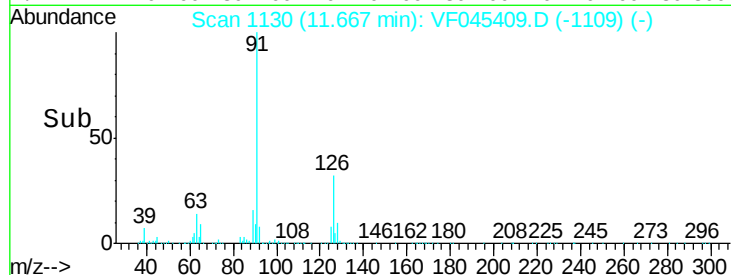
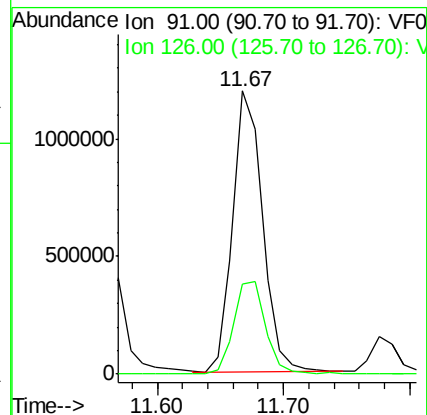
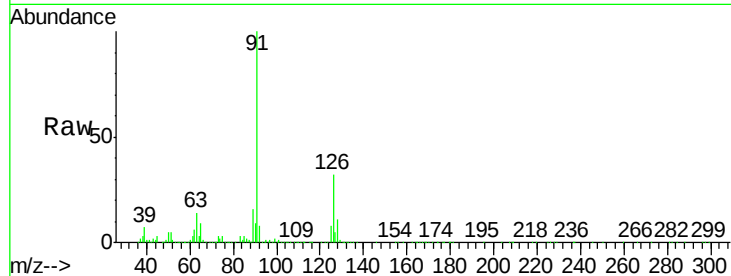
91 100

126 31.9 16.9 50.7

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#79

1,3,5-Trimethylbenzene

Concen: 54.84 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045409.D

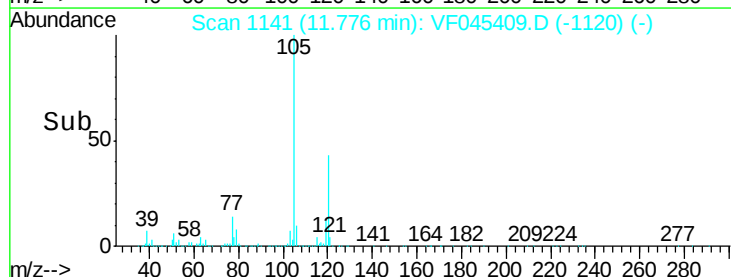
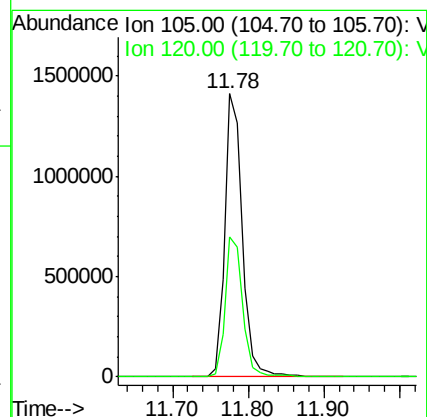
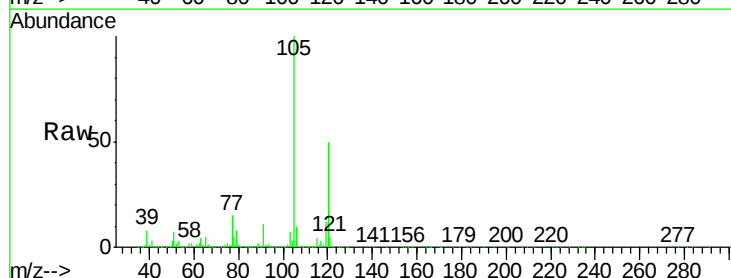
Acq: 17 Sep 2015 16:29

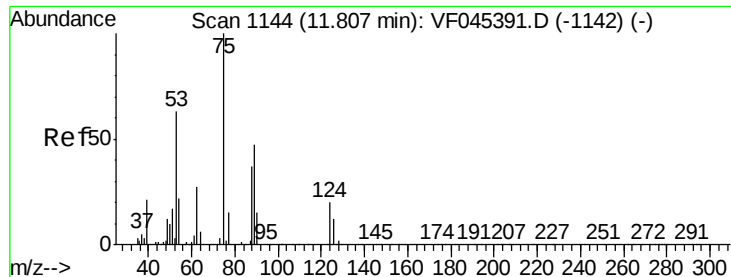
Tgt Ion:105 Resp: 2290059

Ion Ratio Lower Upper

105 100

120 49.7 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 54.34 ug/l m

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

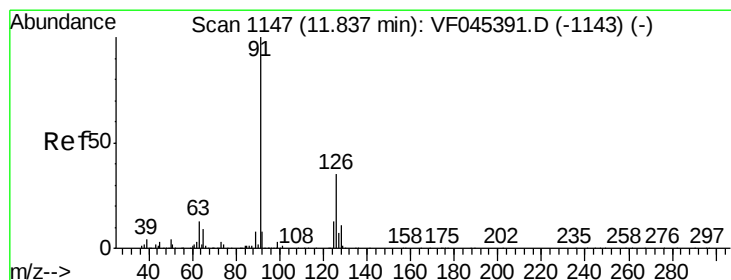
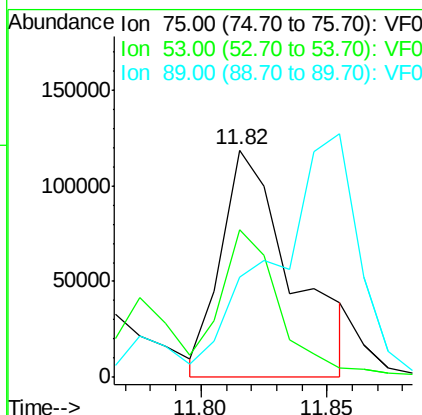
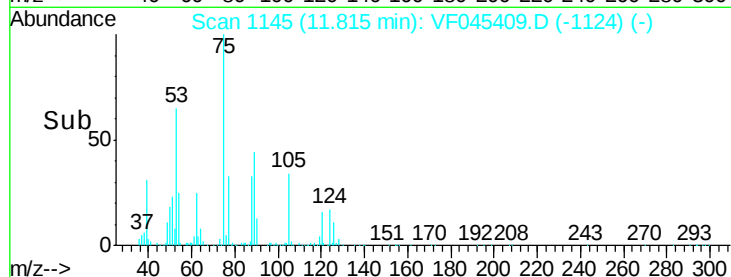
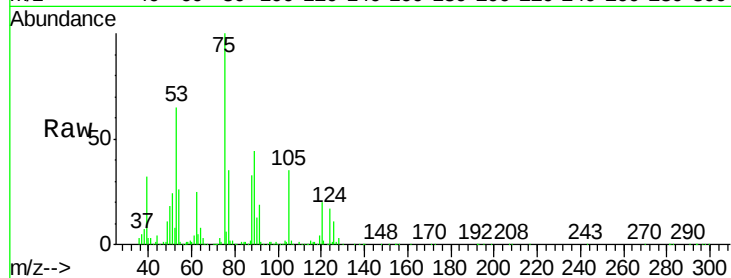
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	75	Resp:	232451
Ion Ratio	Lower	Upper	
75	100		
53	64.8	51.0	76.6
89	44.4	38.6	57.8

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#81

4-Chlorotoluene

Concen: 53.36 ug/l

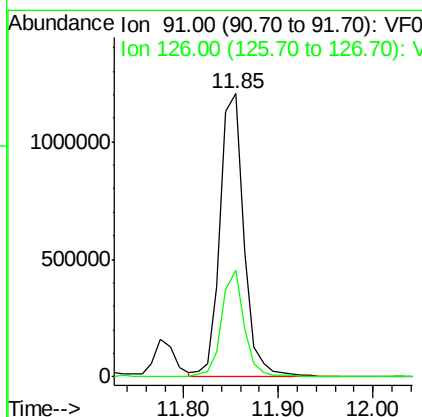
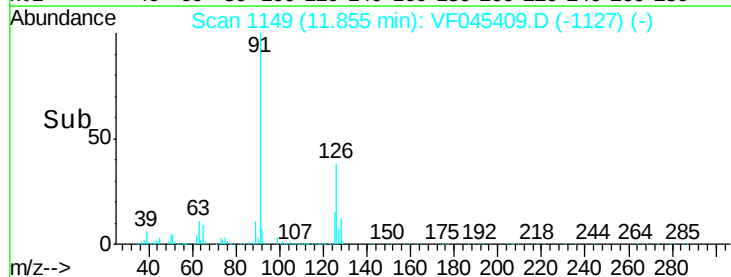
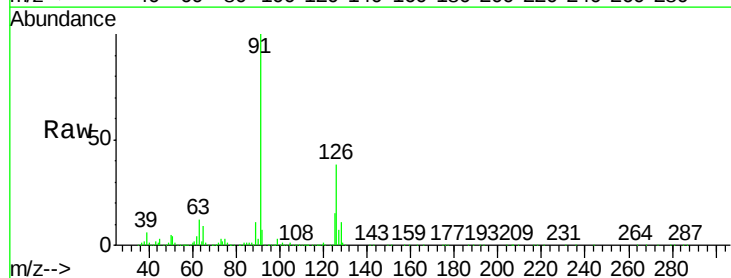
RT: 11.85 min Scan# 1149

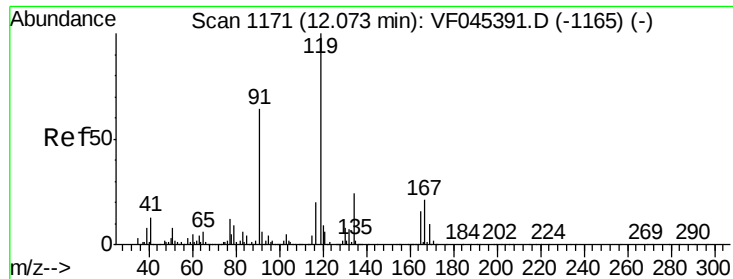
Delta R.T. 0.02 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	91	Resp:	2098862
Ion Ratio	Lower	Upper	
91	100		
126	37.6	15.8	47.4





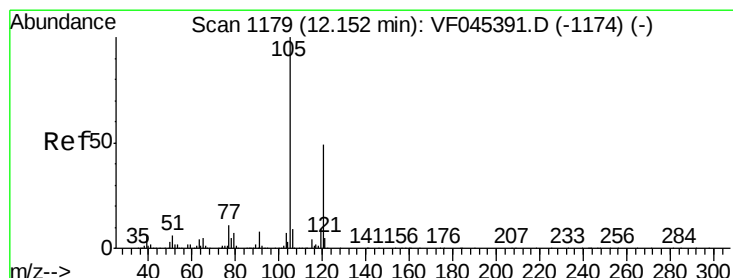
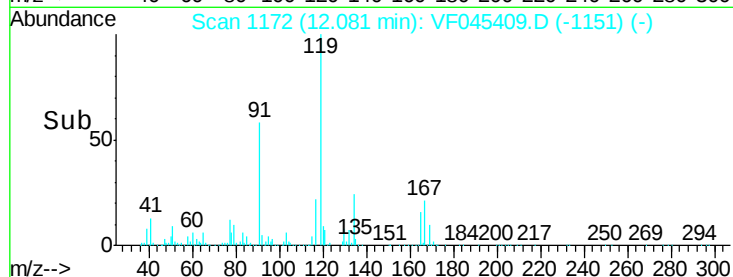
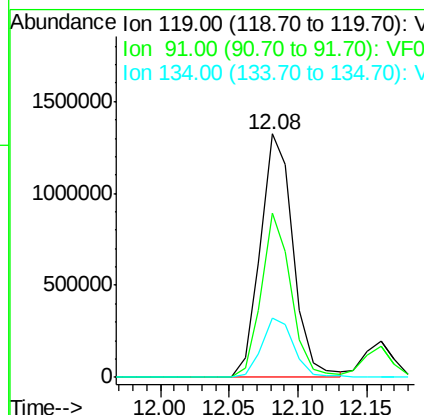
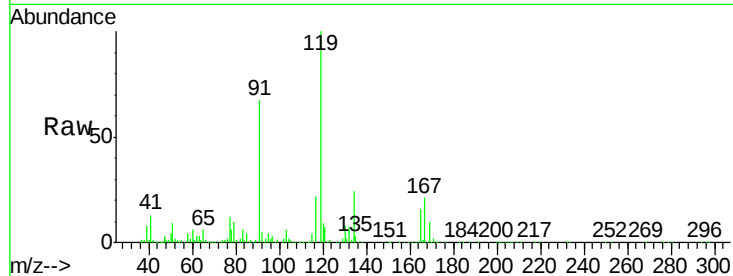
#82
 tert-Butylbenzene
 Concen: 53.38 ug/l
 RT: 12.08 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

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

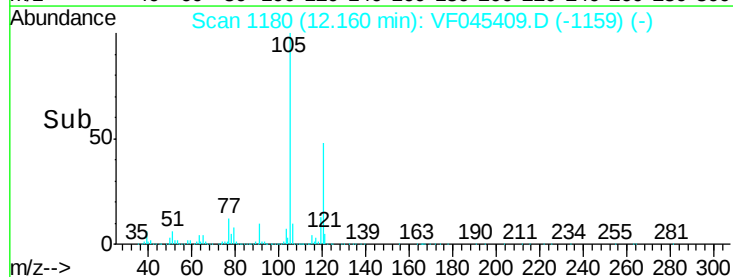
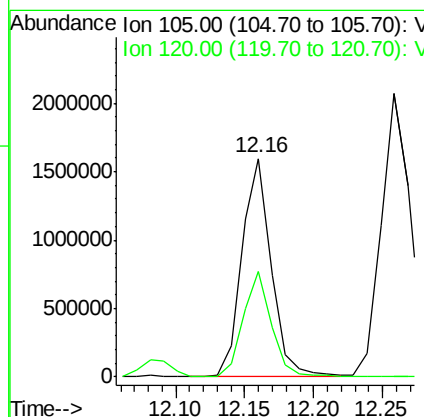
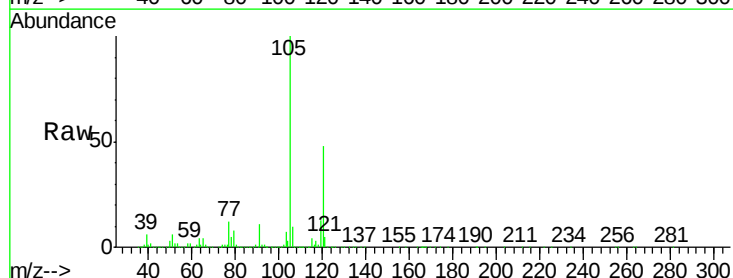
Manual Integrations
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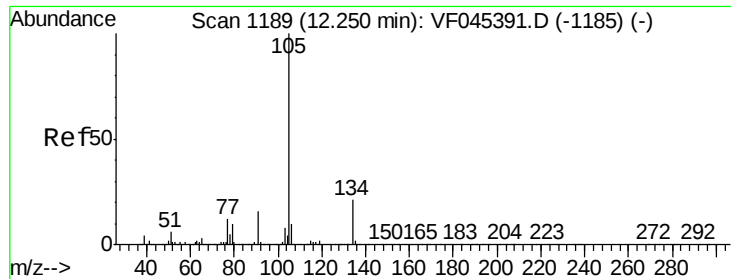
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#83
 1,2,4-Trimethylbenzene
 Concen: 55.35 ug/l
 RT: 12.16 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	22.9	68.7





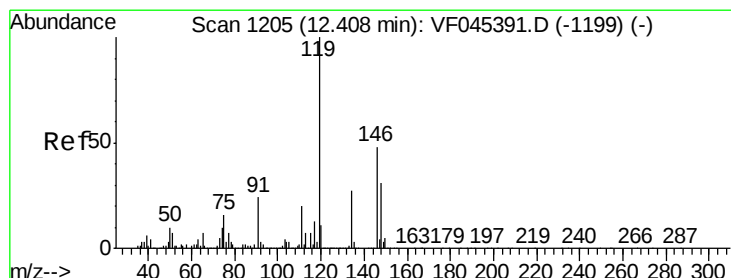
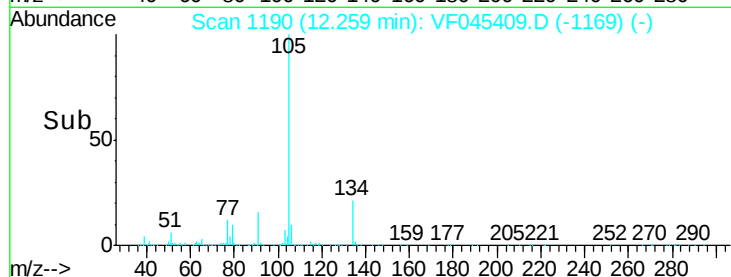
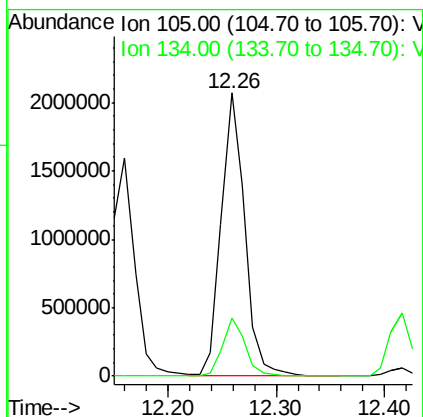
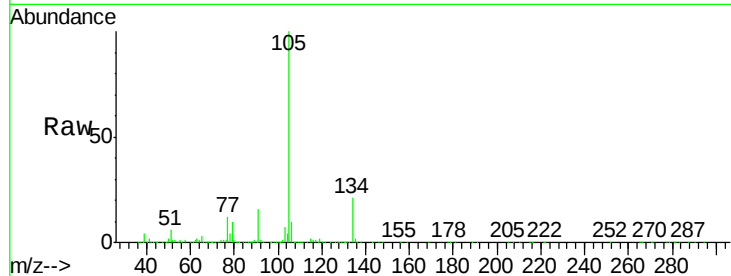
#84
 sec-Butylbenzene
 Concen: 54.65 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

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

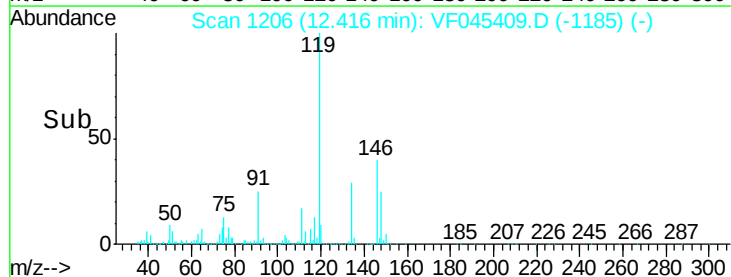
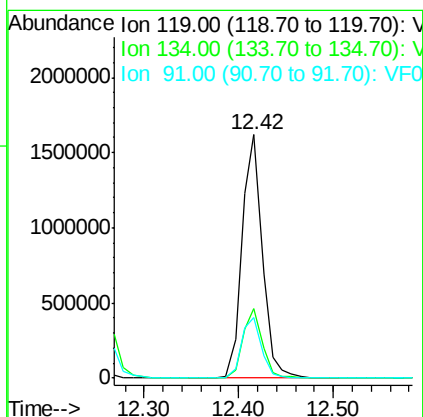
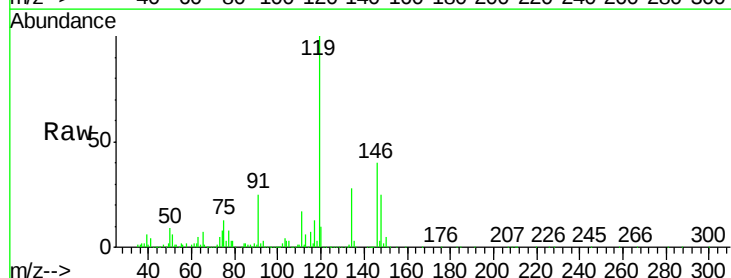
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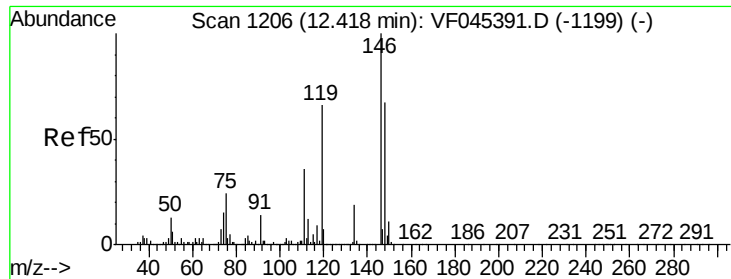
MMDadoda
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#85
 p-Isopropyltoluene
 Concen: 53.59 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

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





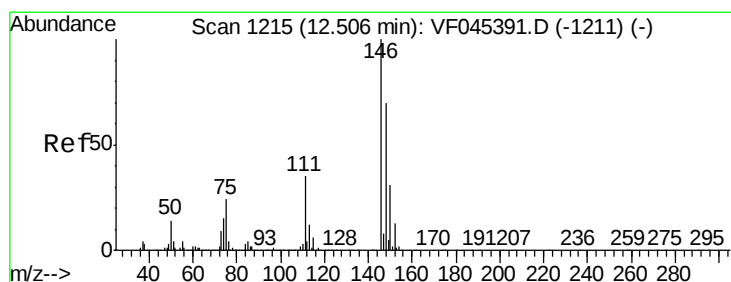
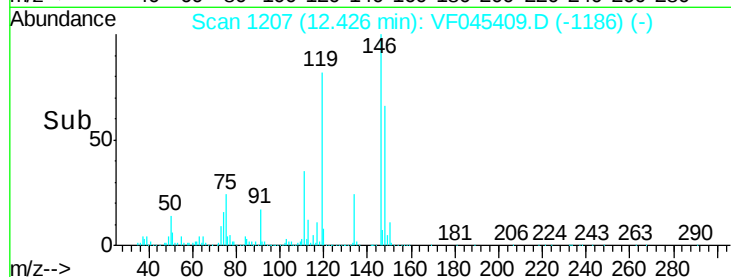
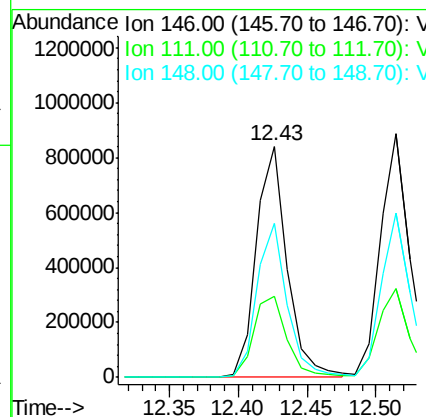
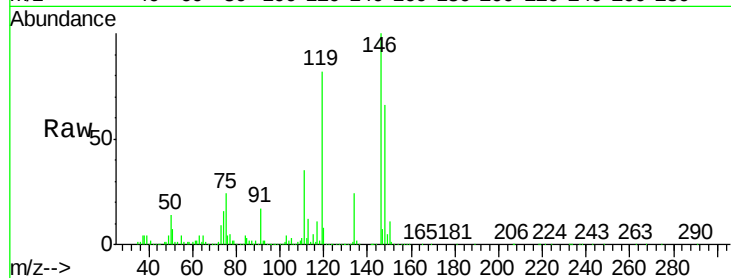
#86
1,3-Dichlorobenzene
Concen: 53.56 ug/l
RT: 12.43 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

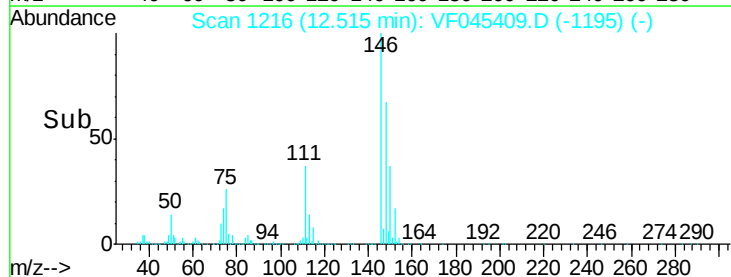
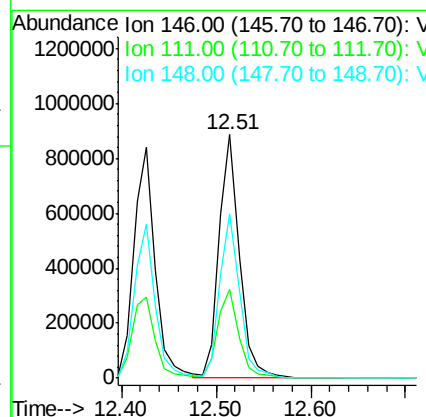
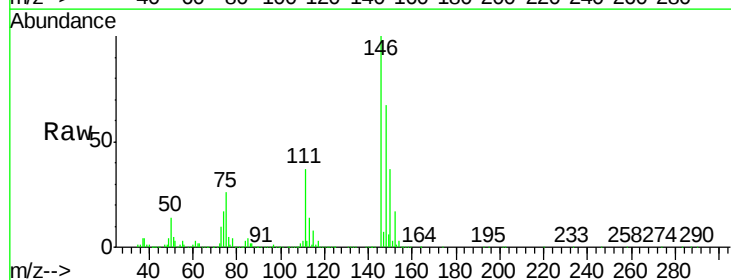
Manual Integrations
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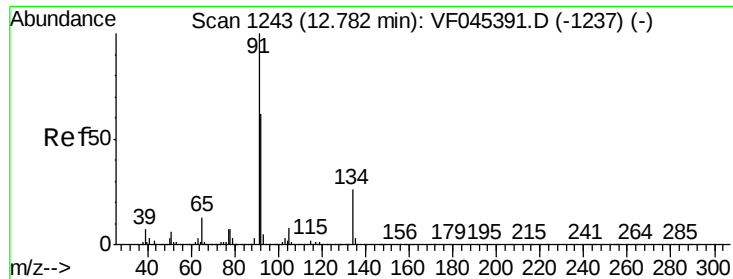
MMDadoda
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#87
1,4-Dichlorobenzene
Concen: 54.14 ug/l
RT: 12.51 min Scan# 1216
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

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





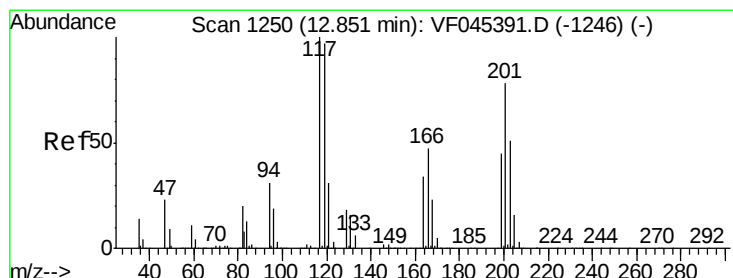
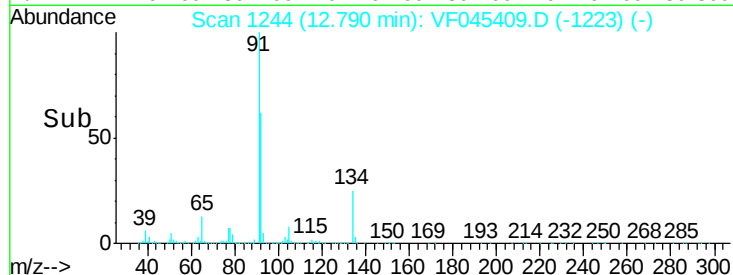
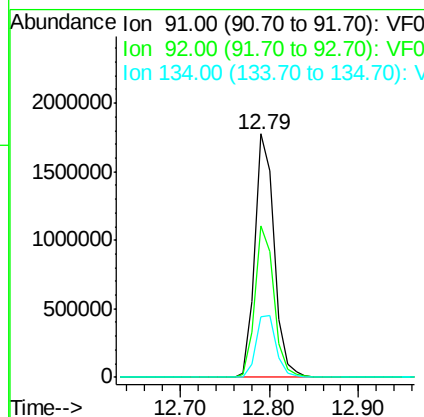
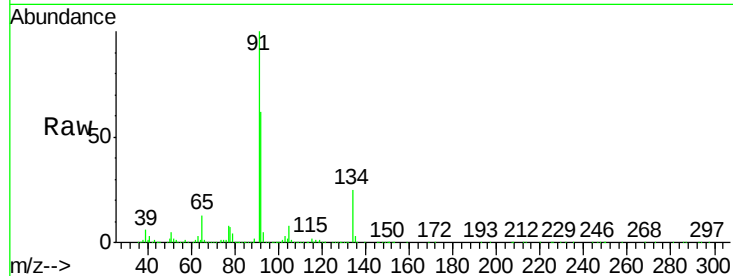
#88
n-Butylbenzene
Concen: 58.56 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MS

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

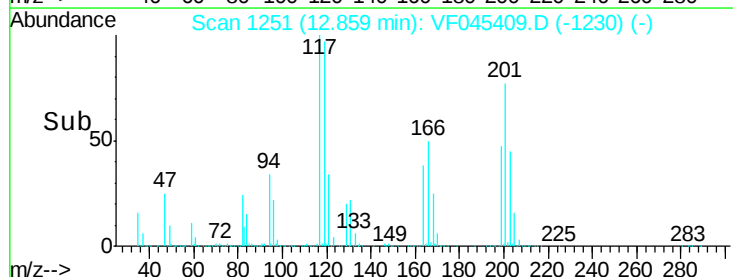
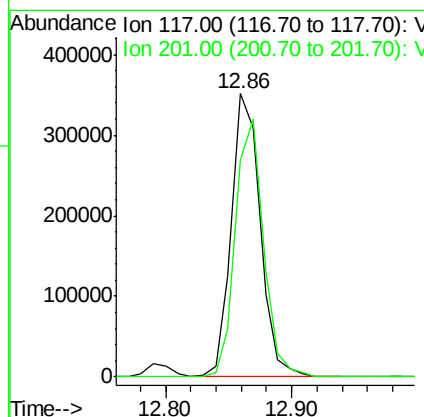
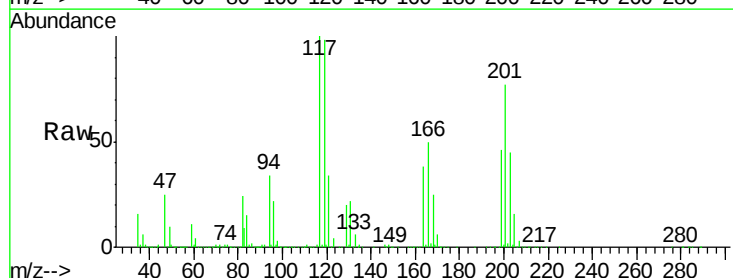
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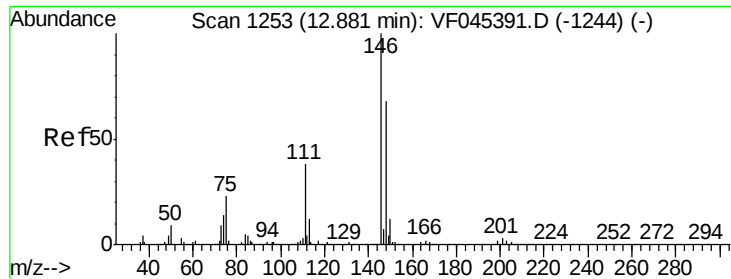
MMDadoda
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#89
Hexachloroethane
Concen: 52.41 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045409.D
Acq: 17 Sep 2015 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	42.0	126.1





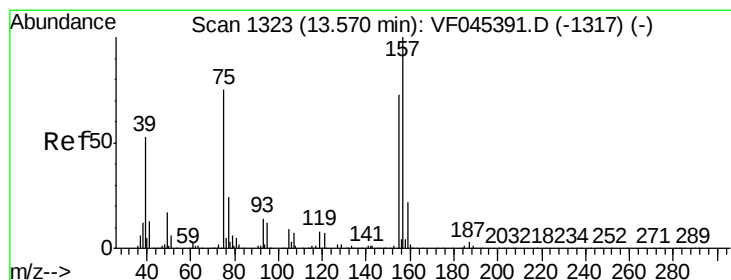
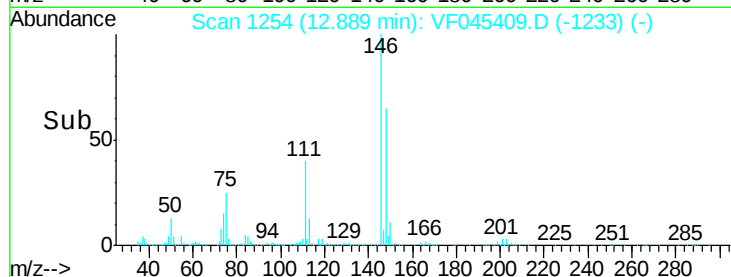
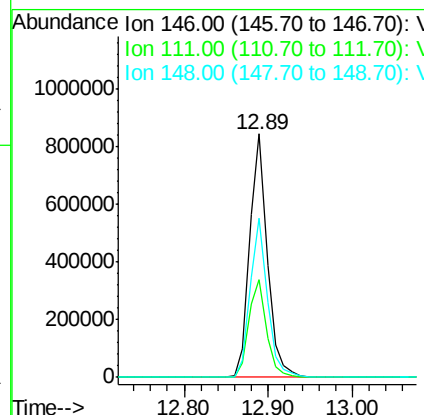
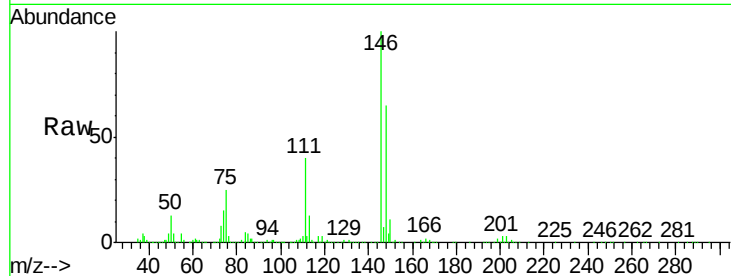
#90
 1,2-Dichlorobenzene
 Concen: 54.20 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MS

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

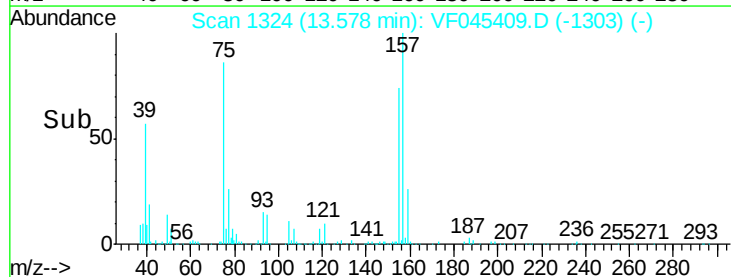
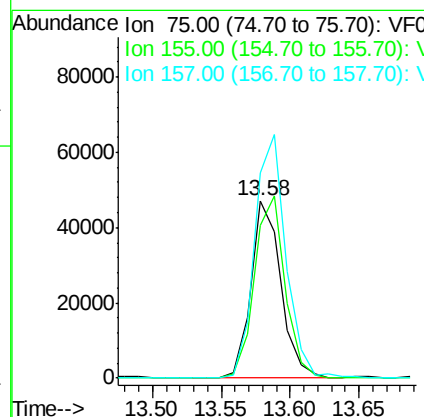
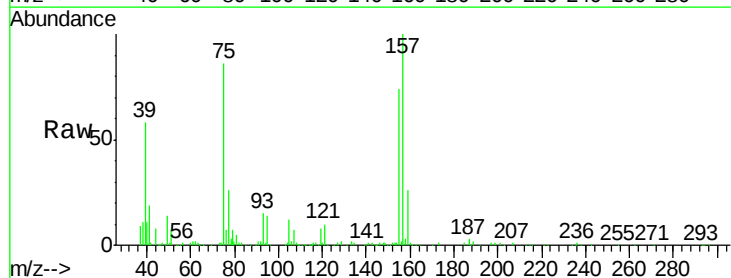
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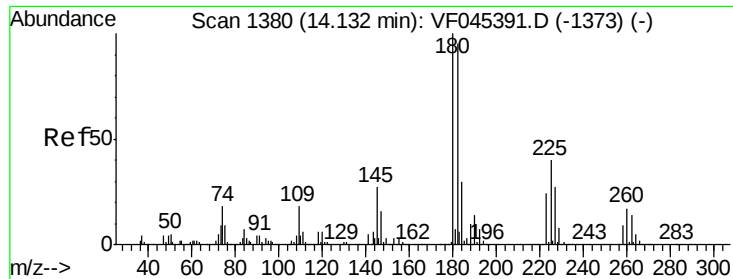
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 46.52 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045409.D
 Acq: 17 Sep 2015 16:29

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





#92

1,2,4-Trichlorobenzene

Concen: 62.08 ug/l

RT: 14.14 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

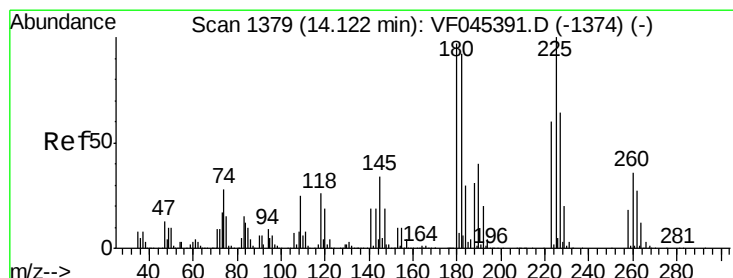
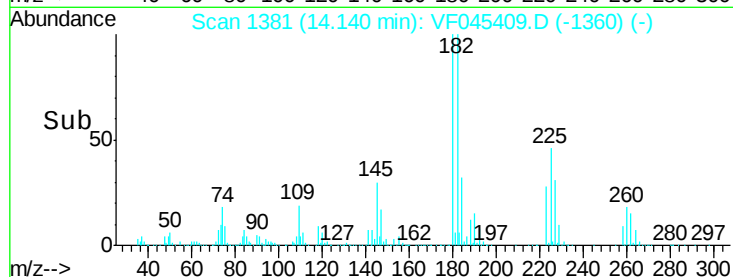
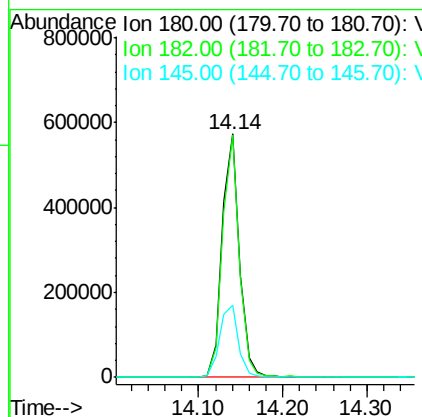
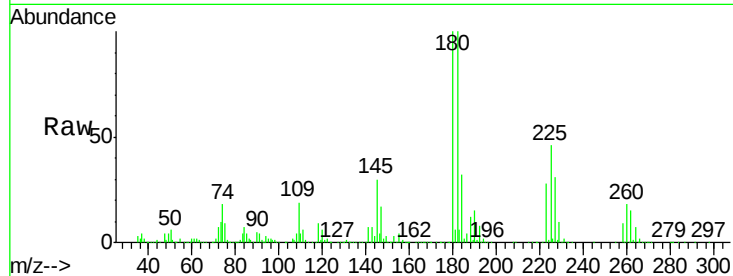
ClientSampleId :

MGP209BR-29-30MS

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

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#93

Hexachlorobutadiene

Concen: 62.16 ug/l

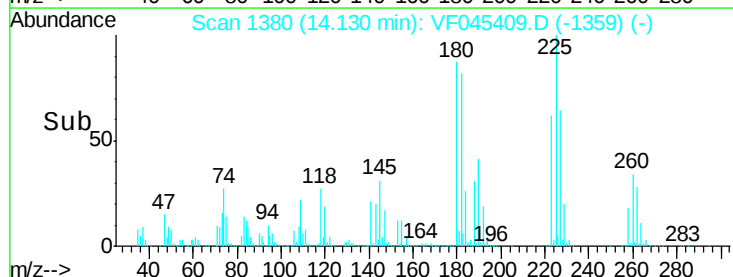
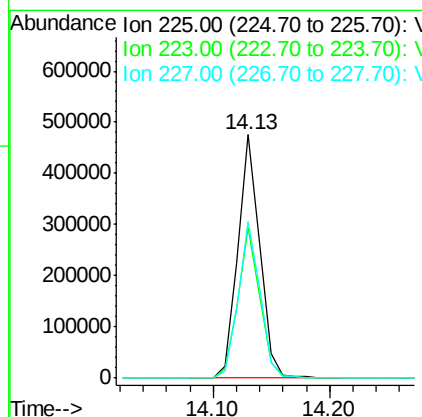
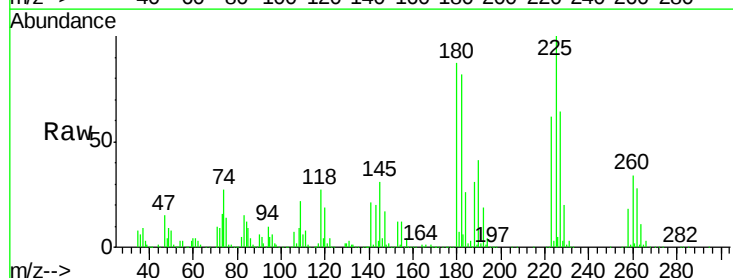
RT: 14.13 min Scan# 1380

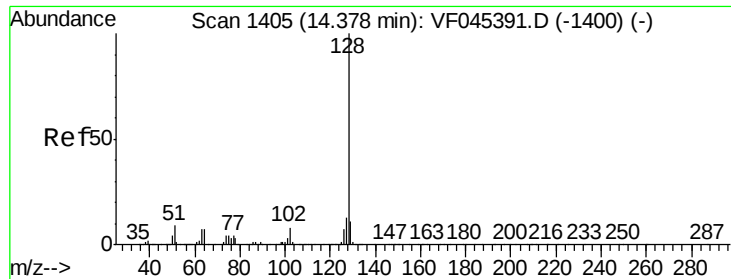
Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

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





#94

Naphthalene

Concen: 50.76 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Instrument :

MSVOA_F

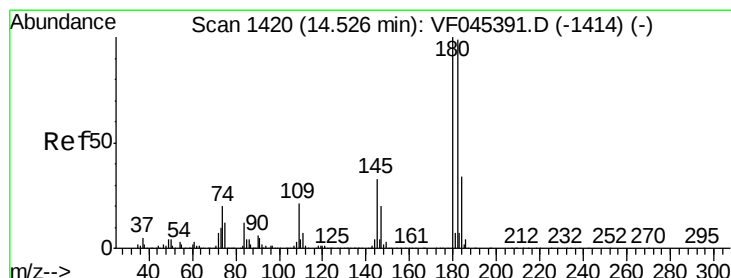
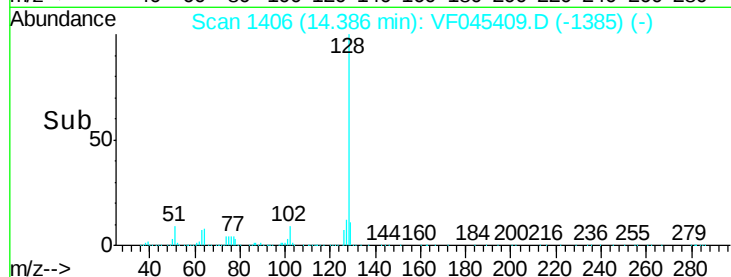
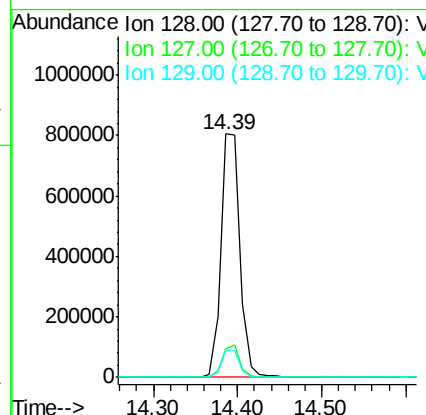
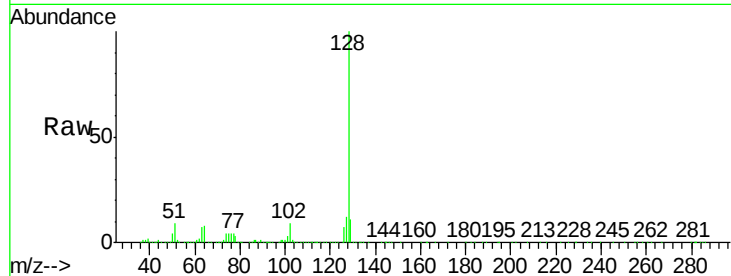
ClientSampleId :

MGP209BR-29-30MS

Tot Ion:	128	Resp:	1261292
Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.8
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:28:55 PM



#95

1,2,3-Trichlorobenzene

Concen: 61.42 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045409.D

Acq: 17 Sep 2015 16:29

Tgt Ion:	180	Resp:	663664
Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.6	142.8
145	29.3	14.5	43.6

