

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

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:29:00 PM

Quant Time: Sep 18 03:54:29 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1050719	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1508032	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1482923	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	815462	50.00	ug/l	0.01

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	406764	45.46	ug/l	96
3) Chloromethane	1.03	50	357061	46.61	ug/l	90
4) Vinyl Chloride	1.09	62	298253	45.42	ug/l	96
5) Bromomethane	1.26	94	192003	47.09	ug/l	93
6) Chloroethane	1.34	64	139346	53.25	ug/l	99
7) Trichlorofluoromethane	1.40	101	675888m	50.16	ug/l	
8) Diethyl Ether	1.60	74	131913	46.84	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.78	101	380556	49.08	ug/l	95
10) Methyl Iodide	1.81	142	788669	49.74	ug/l	99
11) Tert butyl alcohol	2.51	59	20124	158.72	ug/l	99
12) 1,1-Dichloroethene	1.72	96	325228	50.49	ug/l	94
13) Acrolein	1.96	56	119478	227.41	ug/l	88
14) Allyl chloride	2.06	41	510681	51.10	ug/l	97
15) Acrylonitrile	2.89	53	256278	211.50	ug/l	97
16) Acetone	2.19	43	547824	213.86	ug/l	96
17) Carbon Disulfide	1.74	76	1082990	49.34	ug/l	97
18) Methyl Acetate	2.30	43	444478	45.24	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	232054	45.78	ug/l	99
20) Methylene Chloride	2.14	84	346650	49.79	ug/l	95
21) trans-1,2-Dichloroethene	2.27	96	363489	50.34	ug/l	92
22) Diisopropyl ether	2.75	45	1056637	49.60	ug/l	95
23) Vinyl Acetate	3.13	43	1422436	228.75	ug/l	97
24) 1,1-Dichloroethane	2.83	63	701614	48.66	ug/l	100
25) 2-Butanone	4.27	43	718441	200.50	ug/l	94
26) 2,2-Dichloropropane	3.55	77	614795	45.78	ug/l	93
27) cis-1,2-Dichloroethene	3.42	96	559408	50.16	ug/l	94
28) Bromochloromethane	3.66	49	255285	45.08	ug/l	97
29) Chloroform	3.79	83	1011601	49.91	ug/l	99
30) Cyclohexane	3.65	56	623342	47.91	ug/l	93
31) 1,1,1-Trichloroethane	4.04	97	775539	46.19	ug/l	96
35) 1,1-Dichloropropene	4.23	75	709048	49.56	ug/l	94
36) Ethyl Acetate	4.05	43	301542	41.66	ug/l #	36
37) Carbon Tetrachloride	3.93	117	752417	49.93	ug/l	99
38) Methylcyclohexane	5.41	83	798709	51.94	ug/l	93

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Manual Integrations
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 9/18/2015 12:29:00 PM

Quant Time: Sep 18 03:54:29 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	1698718	50.79	ug/l	100
40) Methacrylonitrile	4.68	41	145033	42.33	ug/l	97
41) 1,2-Dichloroethane	4.89	62	622703	46.15	ug/l	95
42) Isopropyl Acetate	6.92	43	462373	48.48	ug/l #	97
43) Trichloroethene	5.45	130	567589	49.69	ug/l	97
44) 1,2-Dichloropropane	6.19	63	485686	49.84	ug/l	100
45) Dibromomethane	6.03	93	339801	49.00	ug/l	99
46) Bromodichloromethane	6.34	83	740937	47.72	ug/l	96
47) Methyl methacrylate	6.67	41	279400	48.26	ug/l	88
48) 1,4-Dioxane	6.66	88	41044	591.88	ug/l #	87
50) 4-Methyl-2-Pentanone	8.21	43	1604681	236.61	ug/l	100
51) Toluene	7.58	92	1333870	51.75	ug/l	99
52) t-1,3-Dichloropropene	8.23	75	682759	48.92	ug/l	96
53) cis-1,3-Dichloropropene	7.25	75	840325	50.98	ug/l	99
54) 1,1,2-Trichloroethane	8.43	97	423184	48.55	ug/l	98
55) Ethyl methacrylate	8.57	69	552589	48.73	ug/l	97
56) 1,3-Dichloropropane	8.80	76	683734	48.09	ug/l	98
58) 2-Hexanone	9.44	43	1258617	233.16	ug/l	93
59) Dibromochloromethane	8.65	129	577172	46.72	ug/l	98
60) 1,2-Dibromoethane	8.93	107	476690	48.19	ug/l	97
63) Tetrachloroethene	8.10	164	603120	51.19	ug/l	96
64) Chlorobenzene	9.74	112	1530619	49.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.87	131	542274	47.68	ug/l	94
66) Ethyl Benzene	9.84	91	2596895	48.17	ug/l	99
67) m/p-Xylenes	10.08	106	1861891	96.36	ug/l	97
68) o-Xylene	10.66	106	983498	49.04	ug/l	95
69) Styrene	10.74	104	1583849	49.48	ug/l	99
70) Bromoform	10.71	173	389156	46.11	ug/l	96
72) Isopropylbenzene	11.08	105	2703694	49.48	ug/l	99
73) N-amyl acetate	11.33	43	734081	48.47	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	11.64	83	581695	46.97	ug/l	98
75) 1,2,3-Trichloropropane	11.74	75	398854	46.84	ug/l	96
76) Bromobenzene	11.45	156	762904	49.24	ug/l	90
77) n-propylbenzene	11.55	91	3414513	50.35	ug/l	97
78) 2-Chlorotoluene	11.67	91	1963834	51.76	ug/l	94
79) 1,3,5-Trimethylbenzene	11.78	105	2252583	50.59	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.82	75	243523m	53.39	ug/l	
81) 4-Chlorotoluene	11.85	91	2102607	50.14	ug/l	90
82) tert-Butylbenzene	12.09	119	2170789	49.30	ug/l	98
83) 1,2,4-Trimethylbenzene	12.16	105	2283974	50.03	ug/l	97
84) sec-Butylbenzene	12.26	105	3022288	49.37	ug/l	96
85) p-Isopropyltoluene	12.41	119	2359550	49.51	ug/l	99
86) 1,3-Dichlorobenzene	12.42	146	1300956	49.39	ug/l	98
87) 1,4-Dichlorobenzene	12.51	146	1276303	48.53	ug/l	98
88) n-Butylbenzene	12.80	91	2535738	52.93	ug/l	98
89) Hexachloroethane	12.87	117	538010	47.69	ug/l	90
90) 1,2-Dichlorobenzene	12.89	146	1230812	50.79	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.59	75	78186	47.56	ug/l	84
92) 1,2,4-Trichlorobenzene	14.14	180	774497	55.24	ug/l	98
93) Hexachlorobutadiene	14.13	225	582318	54.68	ug/l	95

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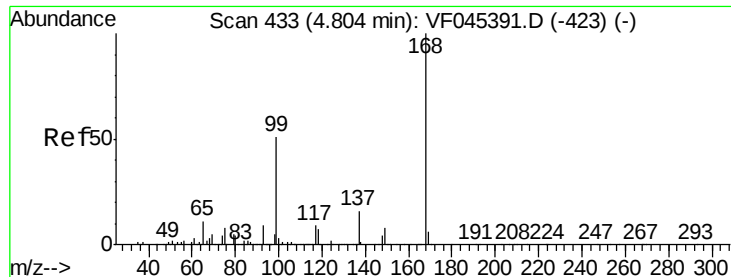
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1308861	49.45	ug/l	99
95) 1,2,3-Trichlorobenzene	14.54	180	676744	58.75	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:168 Resp: 1050719

Ion Ratio Lower Upper

168 100

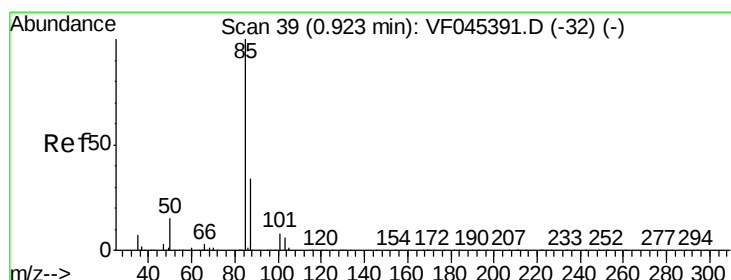
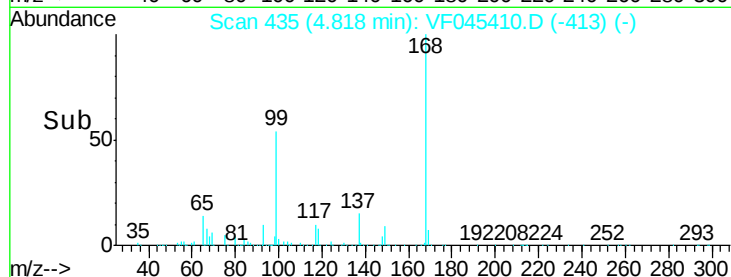
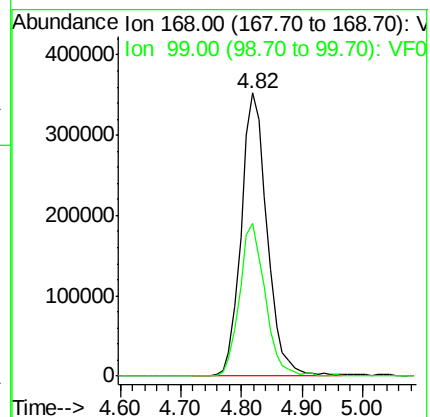
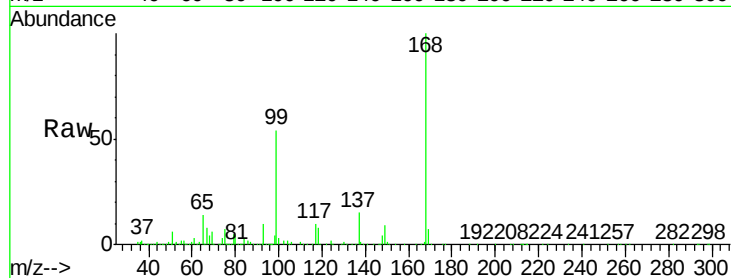
99 53.8 39.0 58.4

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#2

Dichlorodifluoromethane

Concen: 45.46 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045410.D

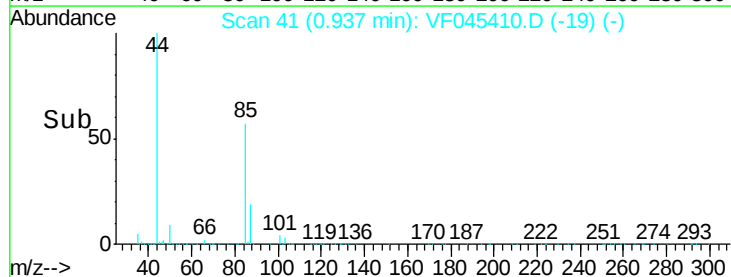
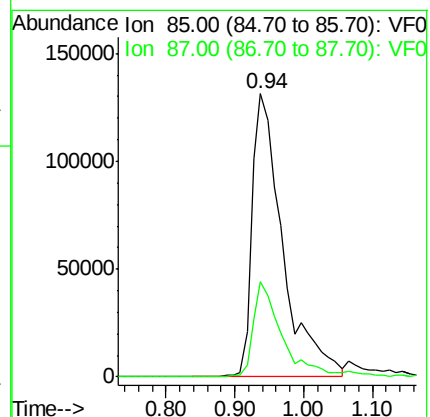
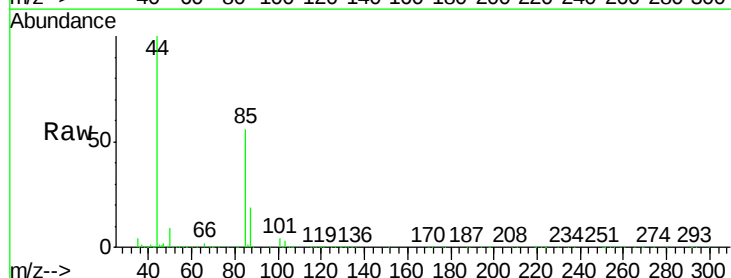
Acq: 17 Sep 2015 16:58

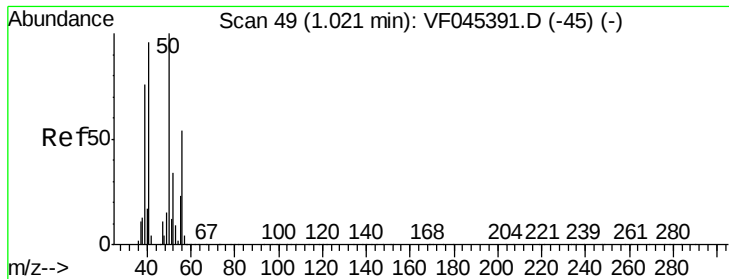
Tgt Ion: 85 Resp: 406764

Ion Ratio Lower Upper

85 100

87 33.5 15.6 46.7





#3

Chloromethane

Concen: 46.61 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 50 Resp: 357061

Ion Ratio Lower Upper

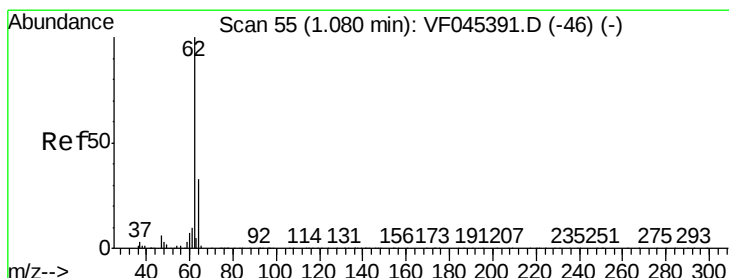
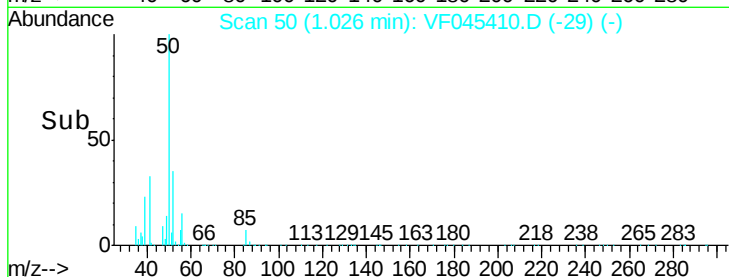
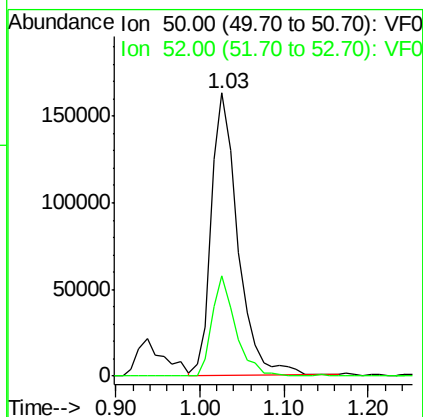
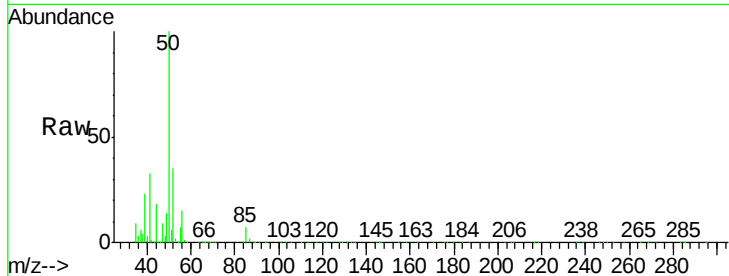
50 100

52 35.3 23.8 35.8

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#4

Vinyl Chloride

Concen: 45.42 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF045410.D

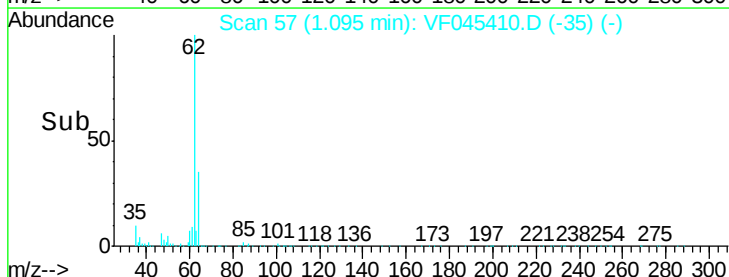
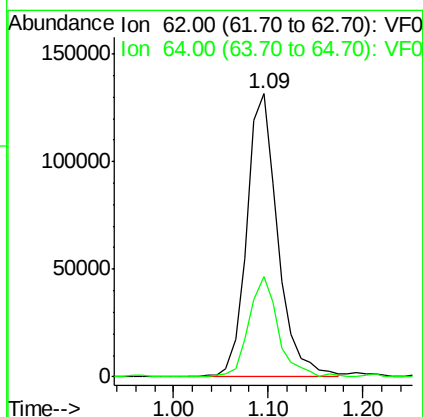
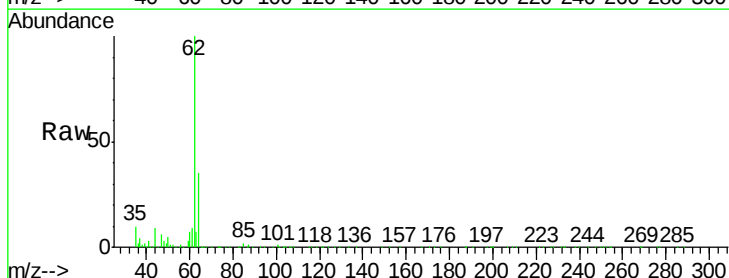
Acq: 17 Sep 2015 16:58

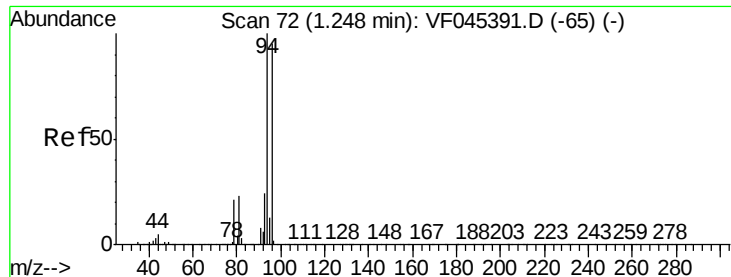
Tgt Ion: 62 Resp: 298253

Ion Ratio Lower Upper

62 100

64 35.3 26.6 39.8





#5

Bromomethane

Concen: 47.09 ug/l

RT: 1.26 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 94 Resp: 192003

Ion Ratio Lower Upper

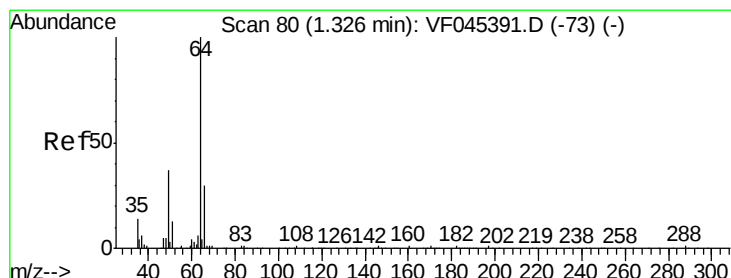
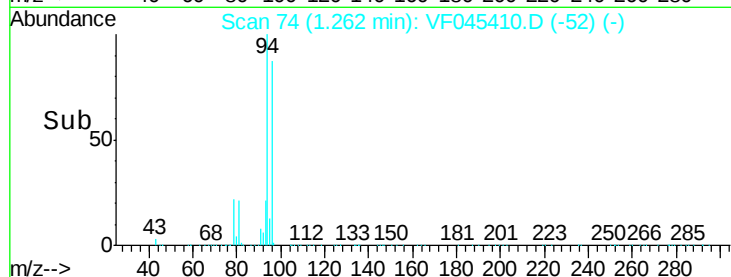
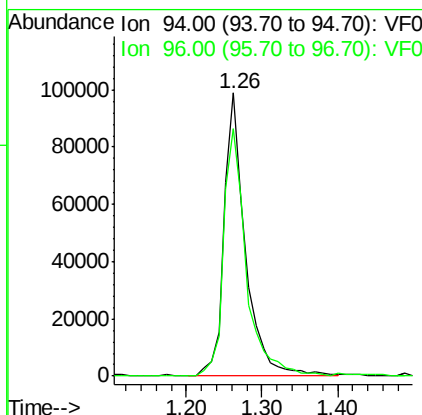
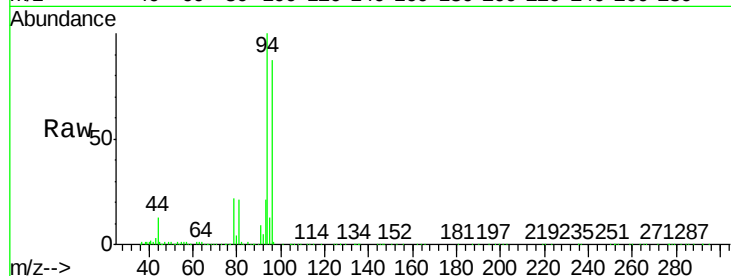
94 100

96 87.4 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 53.25 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF045410.D

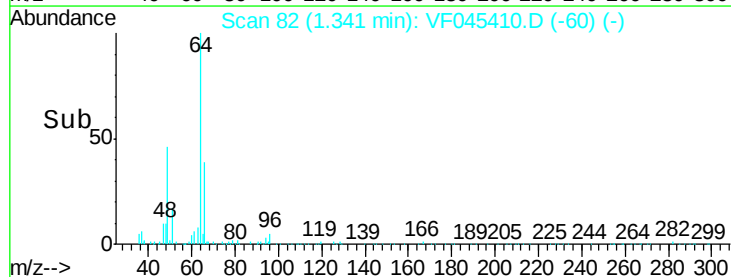
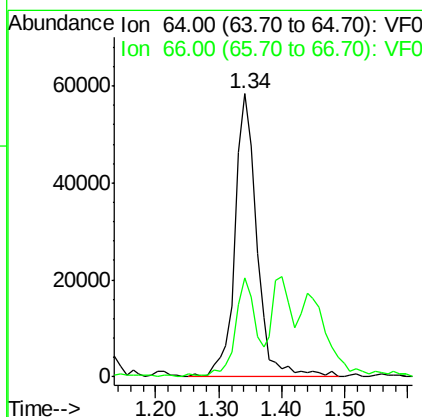
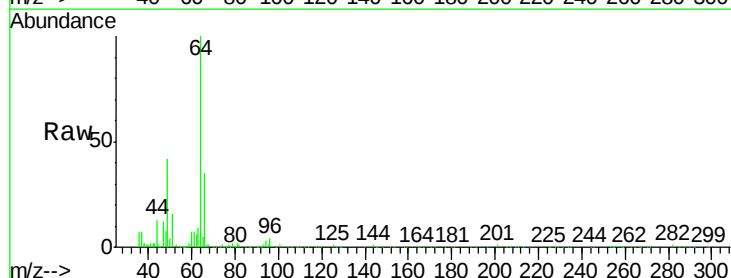
Acq: 17 Sep 2015 16:58

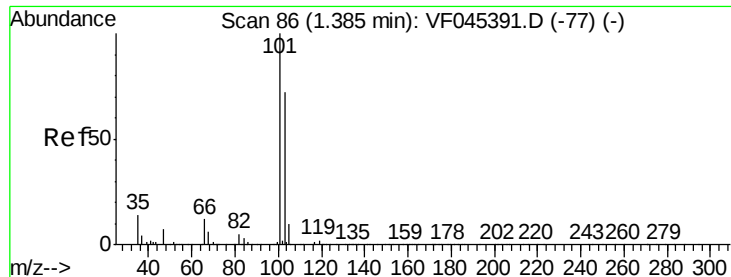
Tgt Ion: 64 Resp: 139346

Ion Ratio Lower Upper

64 100

66 34.9 27.3 40.9





#7

Trichlorofluoromethane

Concen: 50.16 ug/l m

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

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MGP209BR-29-30MSD

Tot Ion:101 Resp: 675888

Ion Ratio Lower Upper

101 100

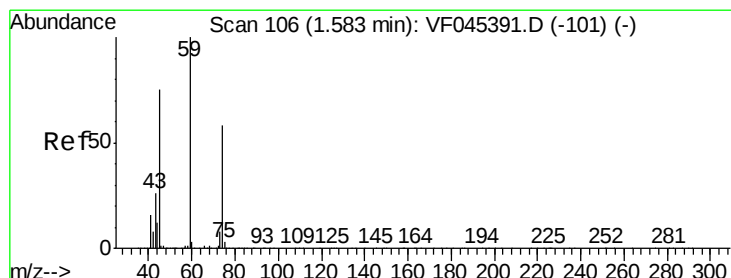
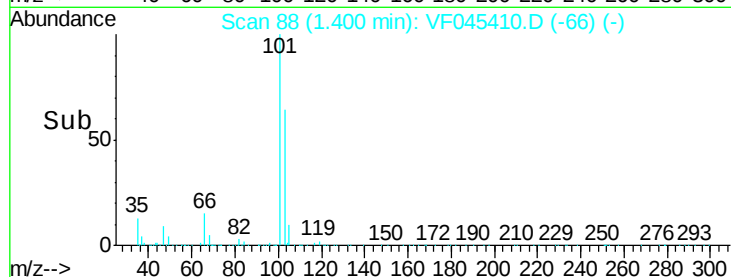
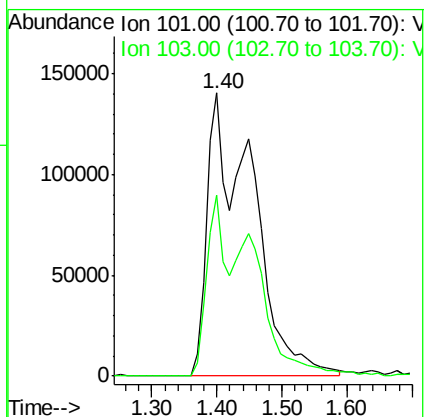
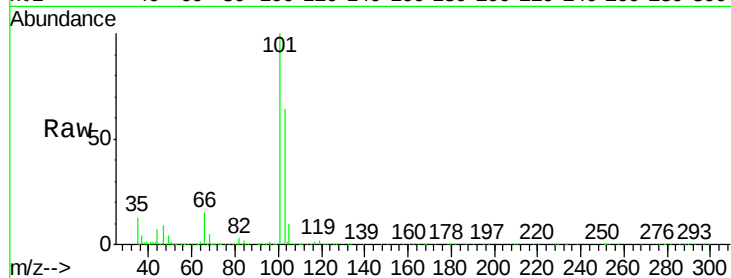
103 64.0 50.8 76.2

Manual Integrations

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#8

Diethyl Ether

Concen: 46.84 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF045410.D

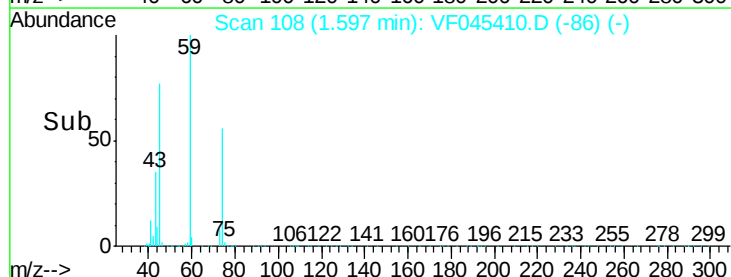
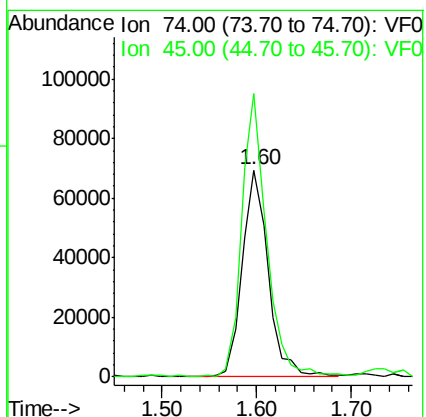
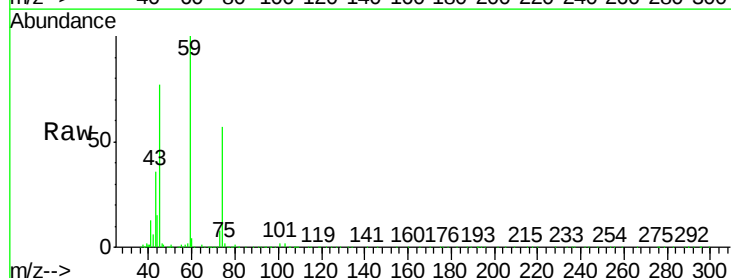
Acq: 17 Sep 2015 16:58

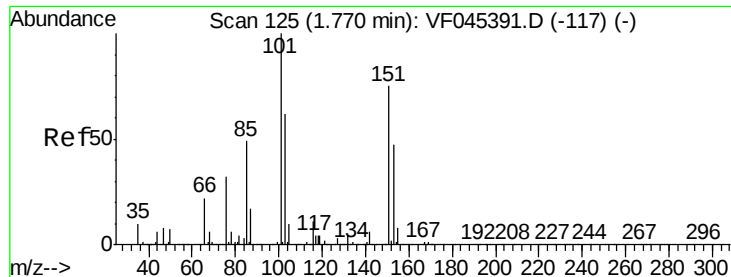
Tgt Ion: 74 Resp: 131913

Ion Ratio Lower Upper

74 100

45 136.8 60.9 182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.08 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

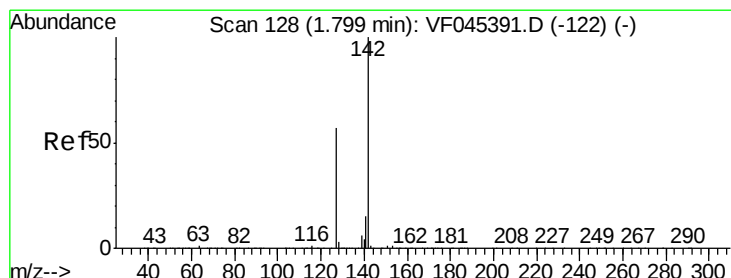
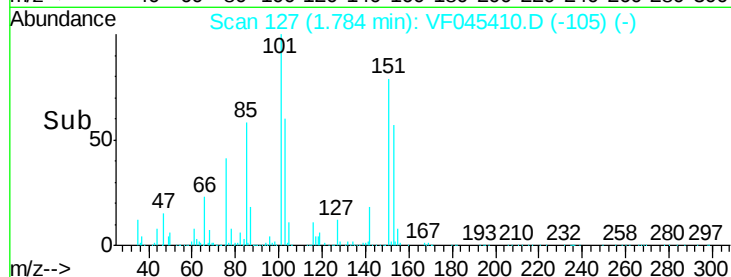
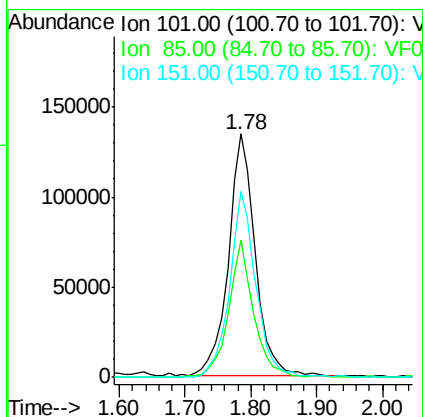
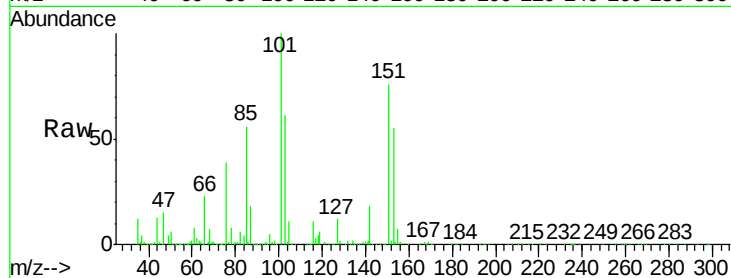
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	101	Resp:	380556
Ion Ratio		Lower	Upper
101	100		
85	56.3	40.0	60.0
151	76.2	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.74 ug/l

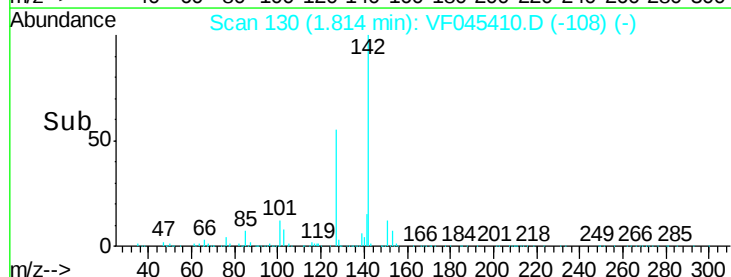
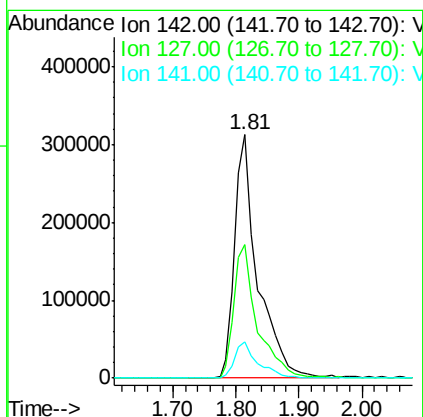
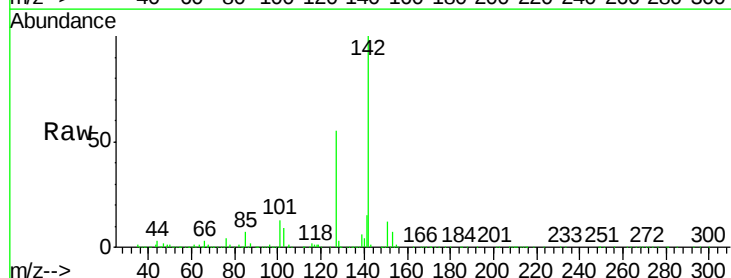
RT: 1.81 min Scan# 130

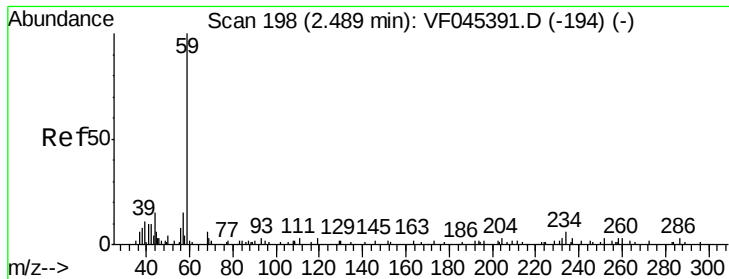
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	142	Resp:	788669
Ion Ratio		Lower	Upper
142	100		
127	54.9	43.3	64.9
141	15.0	12.1	18.1





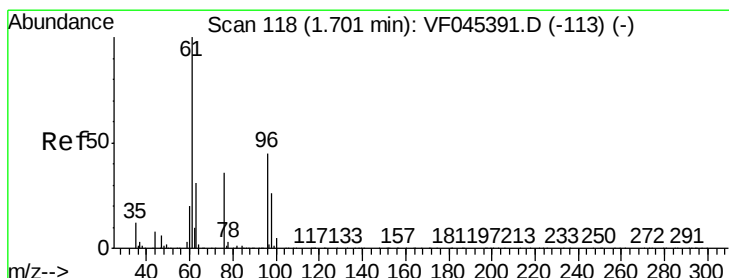
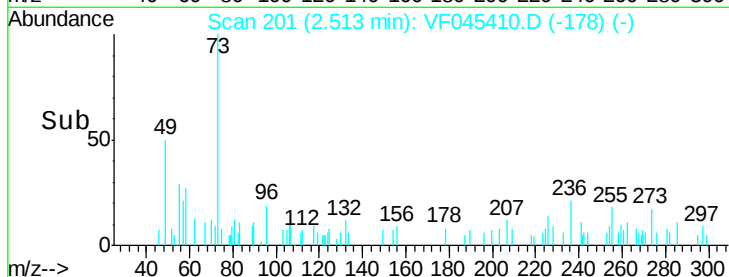
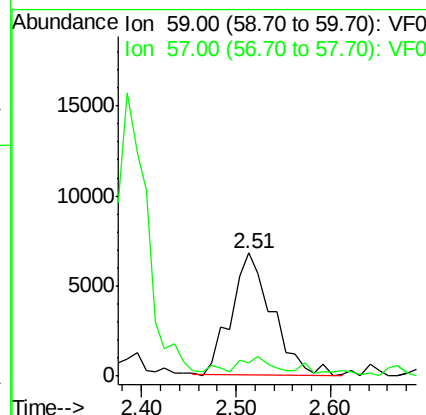
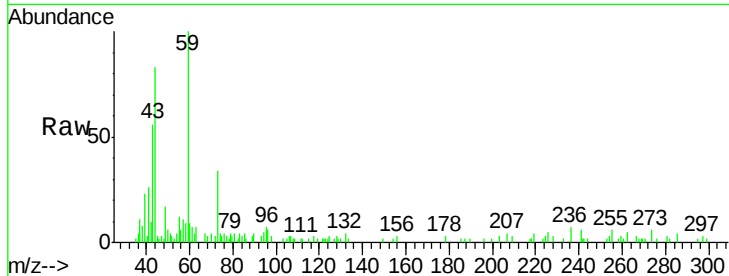
#11
Tert butyl alcohol
Concen: 158.72 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

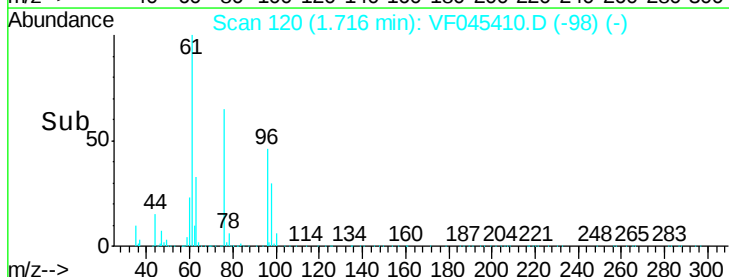
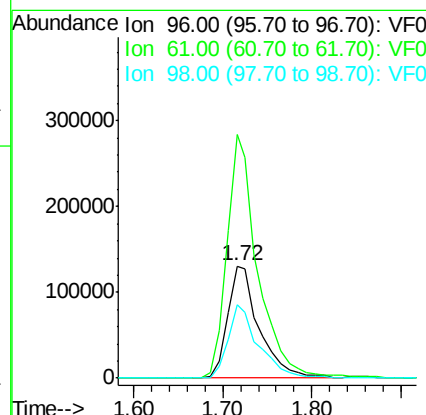
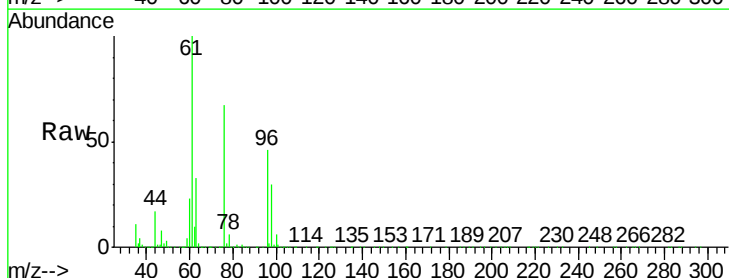
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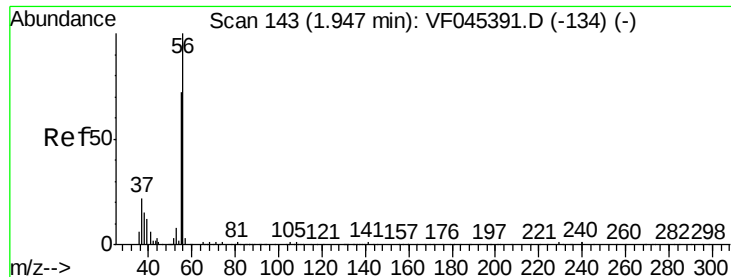
MMDadoda
9/18/2015 12:29:00 PM



#12
1,1-Dichloroethene
Concen: 50.49 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

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





#13

Acrolein

Concen: 227.41 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 56 Resp: 119478

Ion Ratio Lower Upper

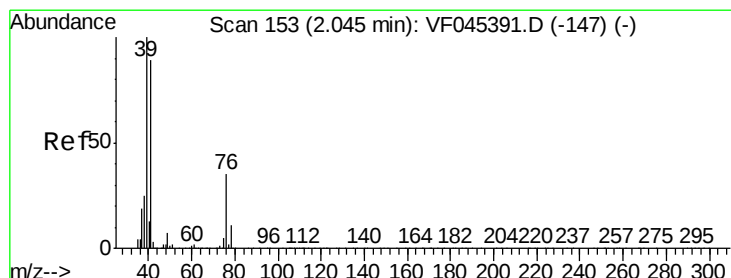
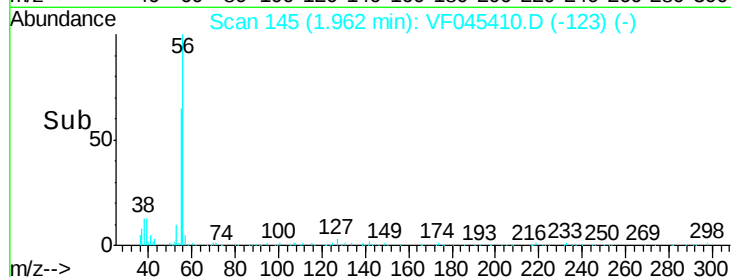
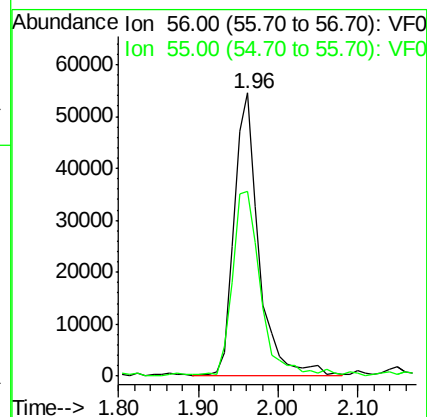
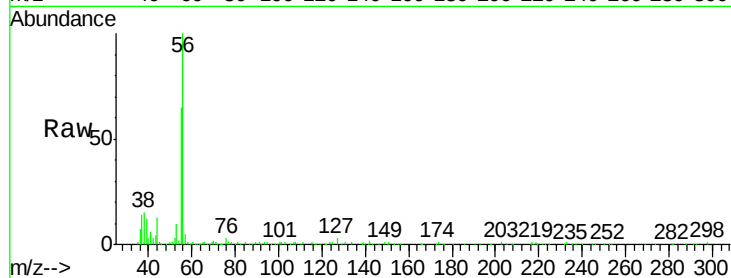
56 100

55 65.3 60.5 90.7

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#14

Allyl chloride

Concen: 51.10 ug/l

RT: 2.06 min Scan# 155

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

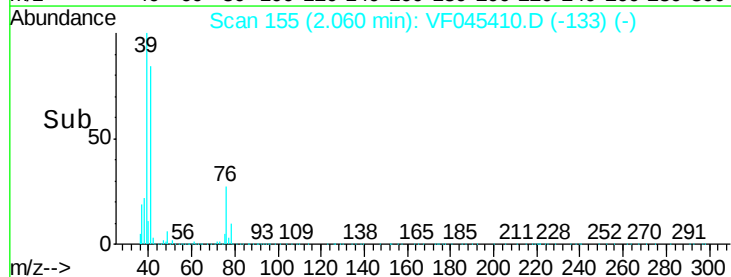
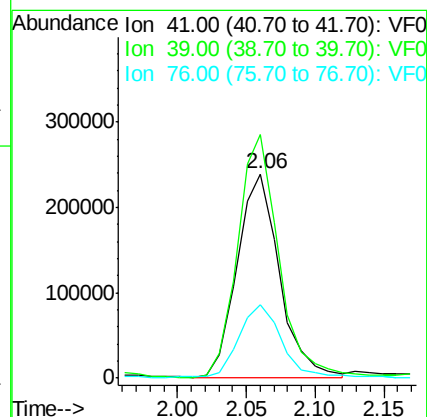
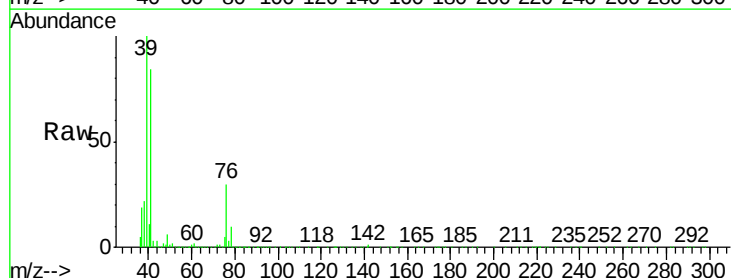
Tgt Ion: 41 Resp: 510681

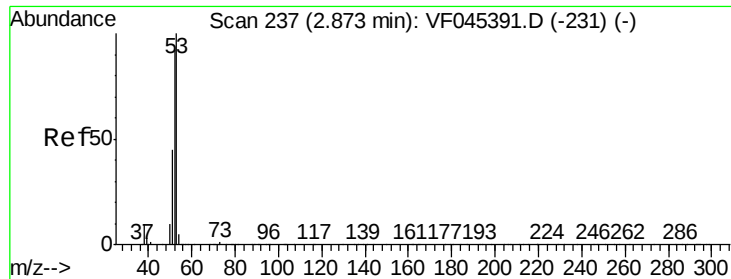
Ion Ratio Lower Upper

41 100

39 119.2 92.8 139.2

76 36.0 27.7 41.5





#15

Acrylonitrile

Concen: 211.50 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

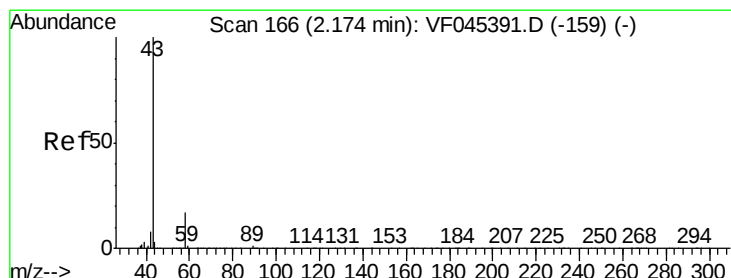
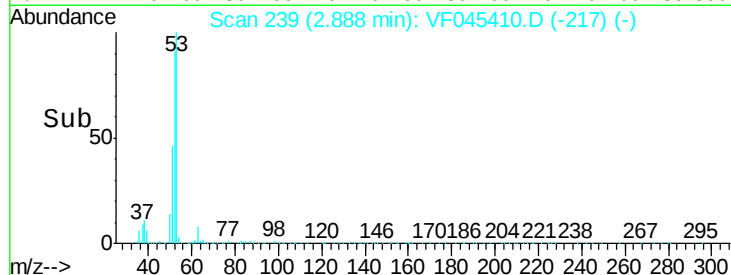
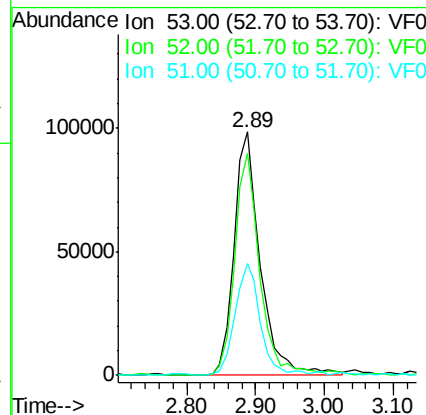
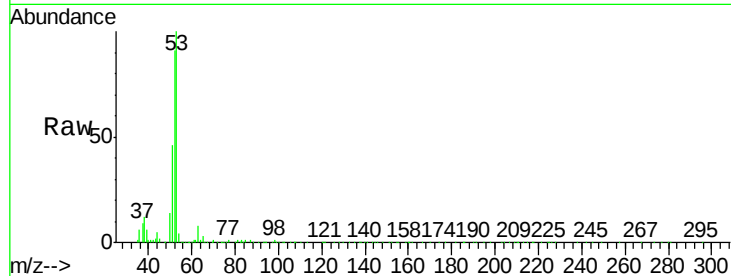
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	53	Resp:	256278
Ion Ratio		Lower	Upper
53	100		
52	91.0	72.7	109.1
51	46.1	42.2	63.2

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#16

Acetone

Concen: 213.86 ug/l

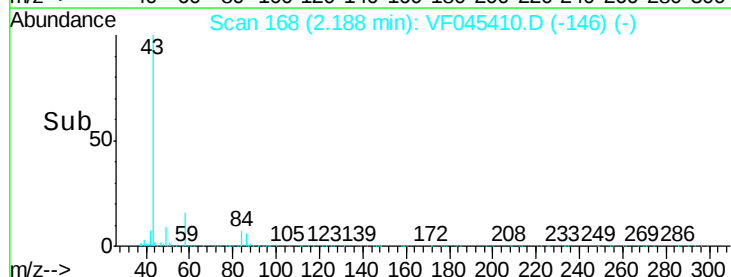
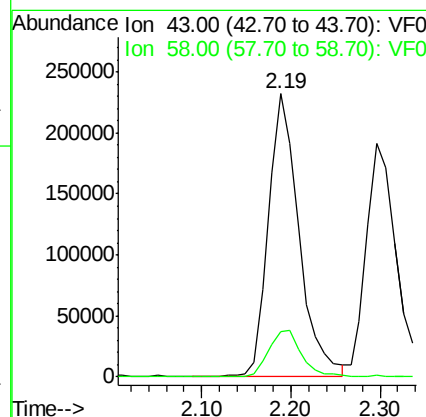
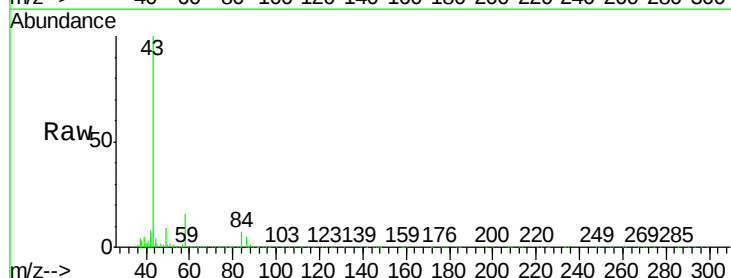
RT: 2.19 min Scan# 168

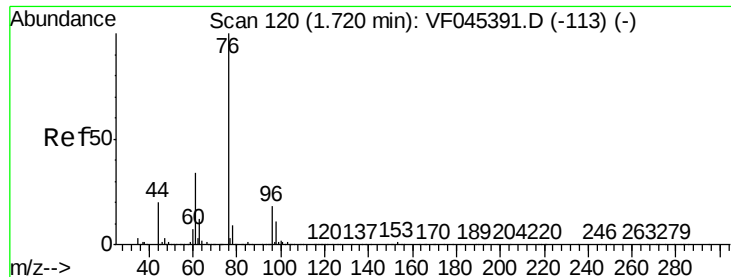
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	43	Resp:	547824
Ion Ratio		Lower	Upper
43	100		
58	15.8	13.9	20.9





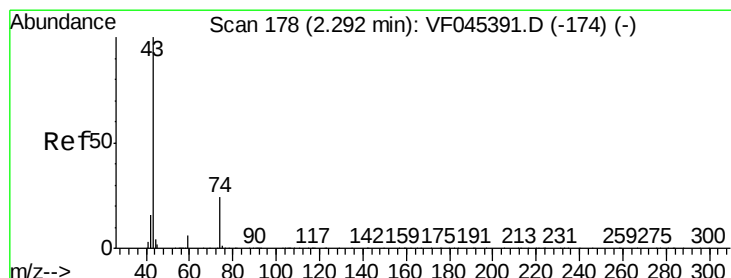
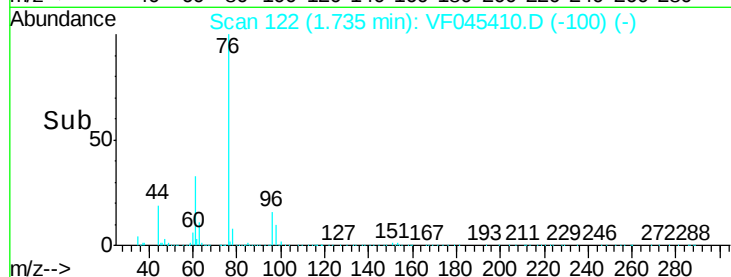
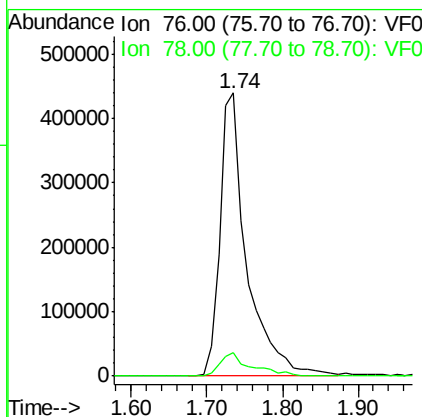
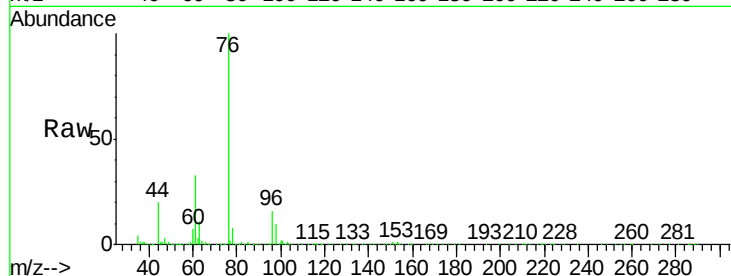
#17
Carbon Disulfide
Concen: 49.34 ug/l
RT: 1.74 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

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

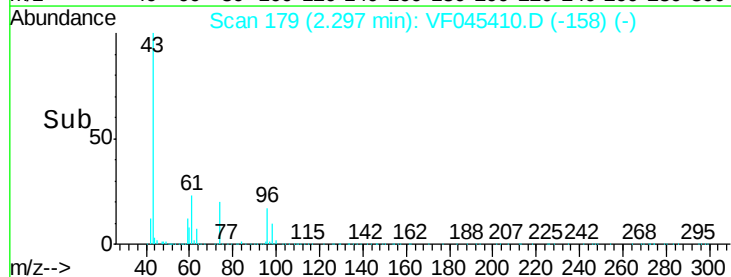
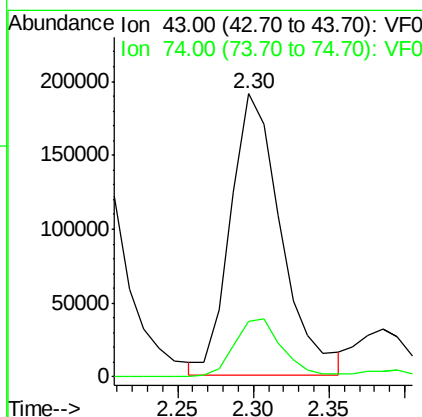
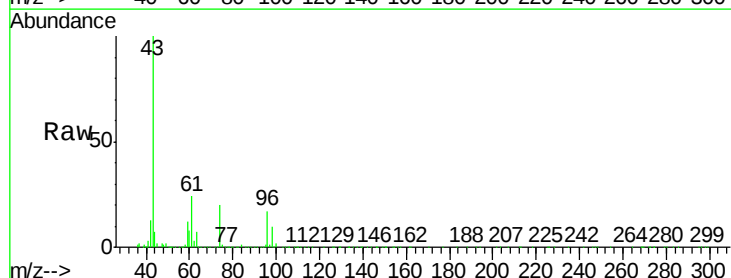
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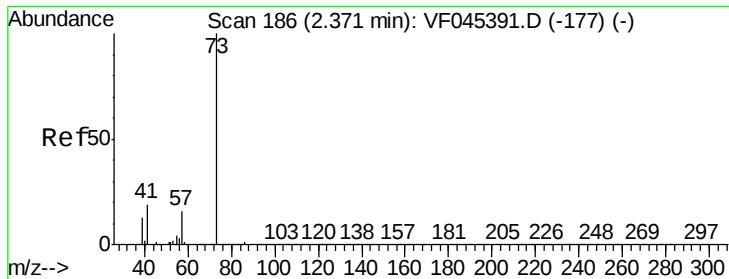
MMDadoda
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#18
Methyl Acetate
Concen: 45.24 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.00 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

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





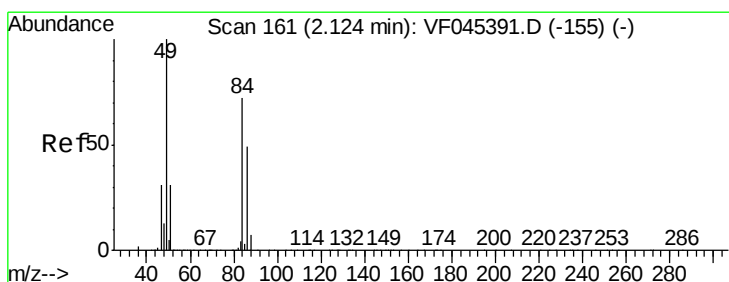
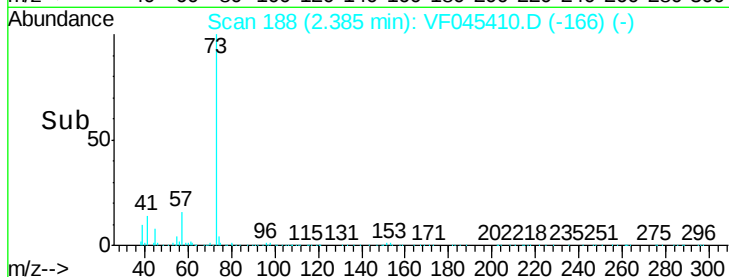
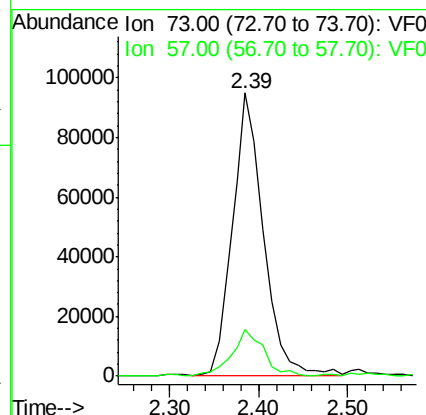
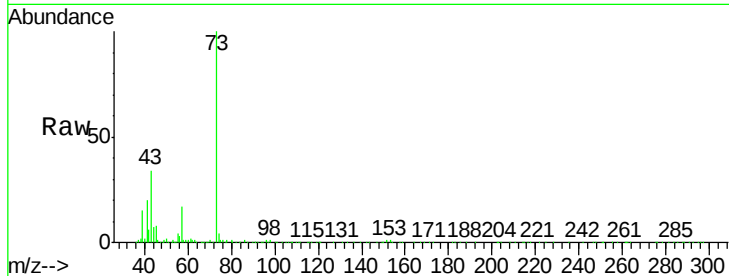
#19
Methvl tert-butvl Ether
Concen: 45.78 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	16.6	12.9	19.3

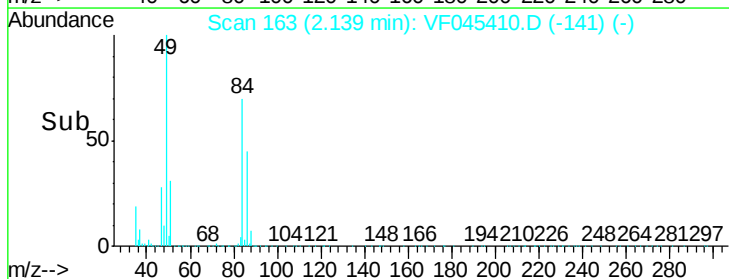
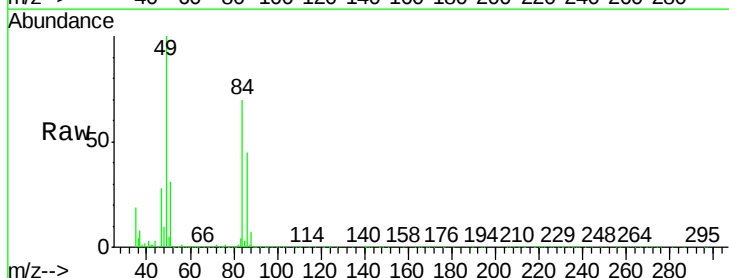
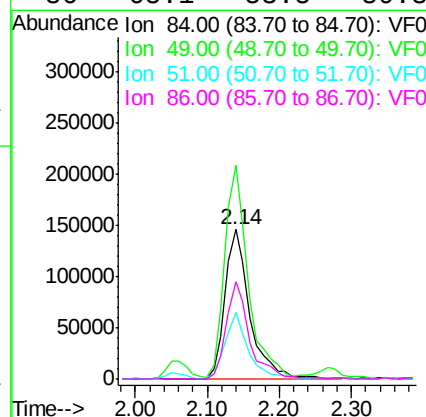
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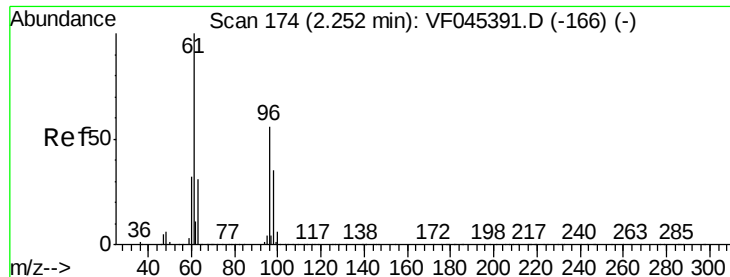
MMDadoda
9/18/2015 12:29:00 PM



#20
Methylene Chloride
Concen: 49.79 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

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





#21

trans-1,2-Dichloroethene

Concen: 50.34 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

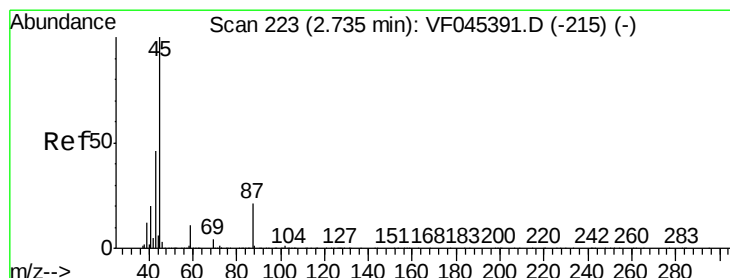
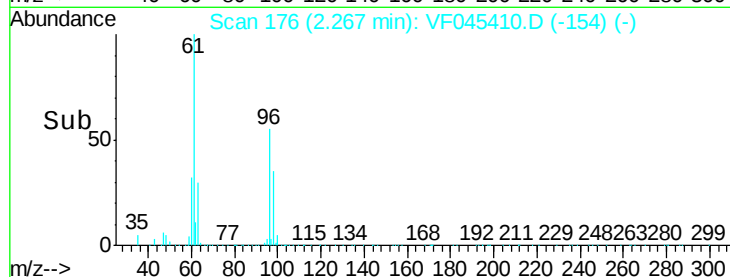
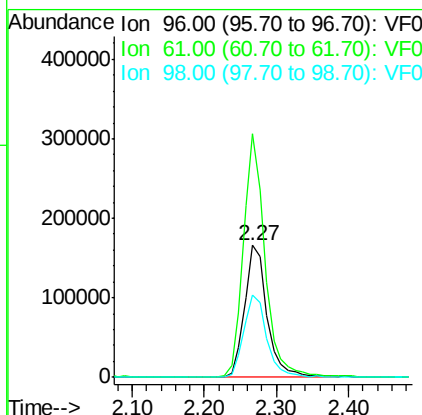
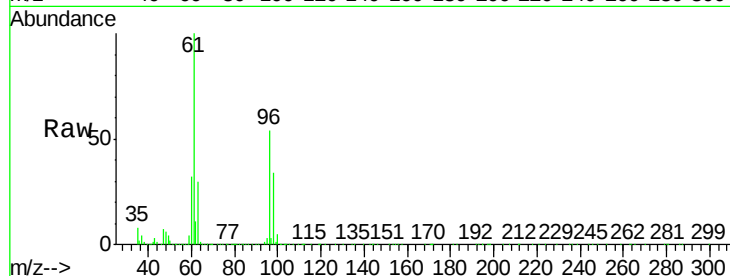
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	96	Resp:	363489
Ion	Ratio	Lower	Upper
96	100		
61	184.9	136.8	205.2
98	62.6	51.0	76.4

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#22

Diisopropyl ether

Concen: 49.60 ug/l

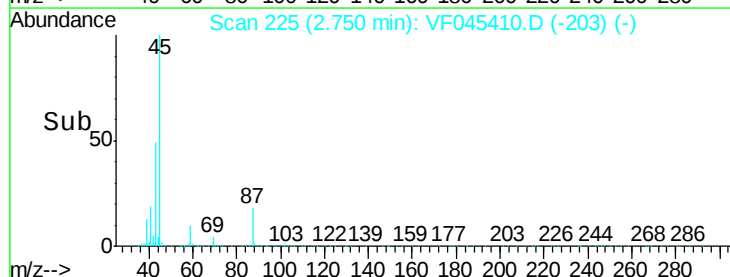
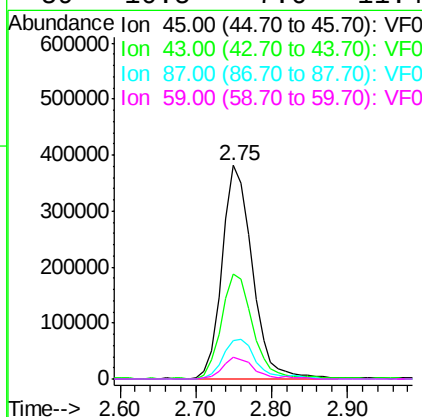
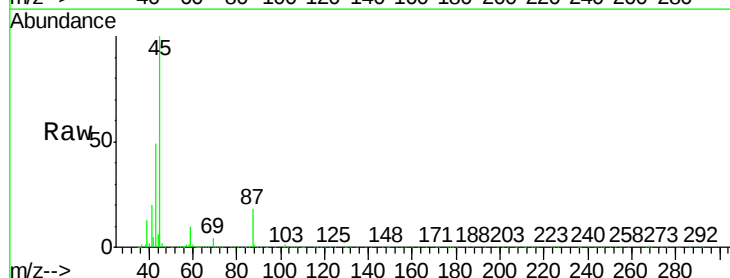
RT: 2.75 min Scan# 225

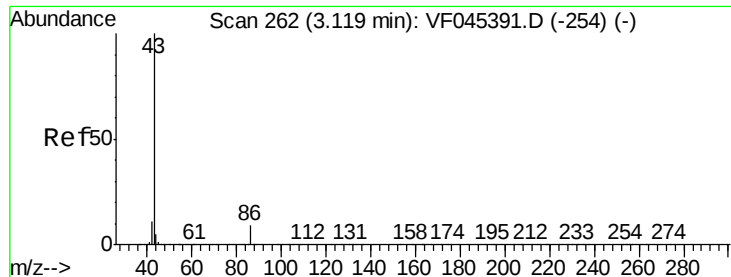
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	45	Resp:	1056637
Ion	Ratio	Lower	Upper
45	100		
43	49.4	42.2	63.4
87	18.3	16.6	25.0
59	10.5	7.6	11.4





#23

Vinyl Acetate

Concen: 228.75 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 43 Resp: 1422436

Ion Ratio Lower Upper

43 100

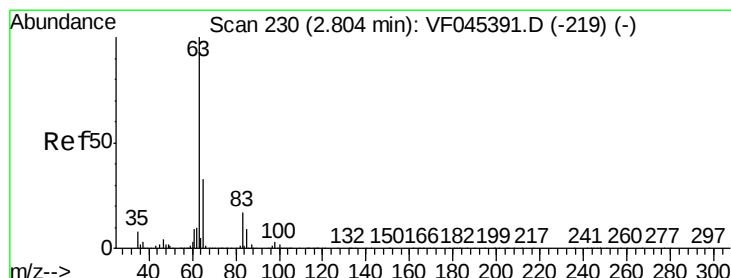
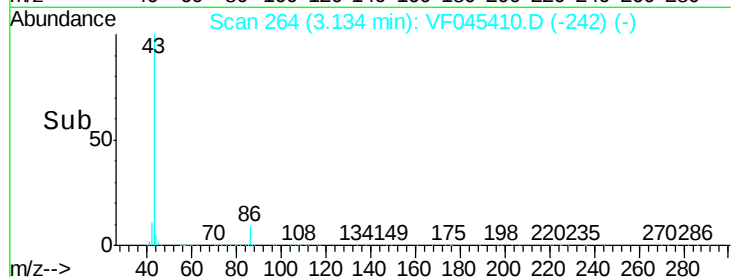
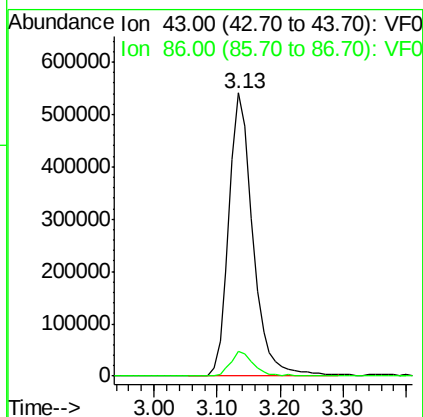
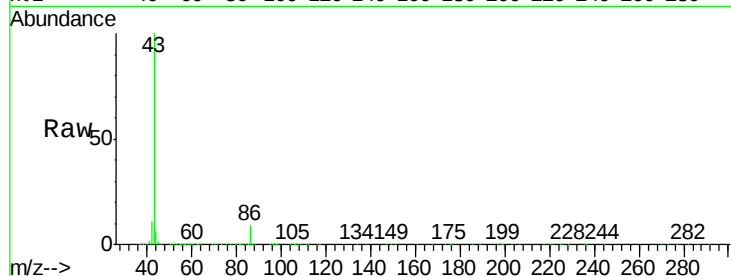
86 9.0 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 48.66 ug/l

RT: 2.83 min Scan# 233

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

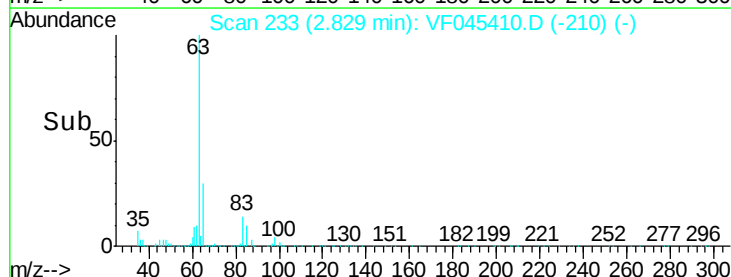
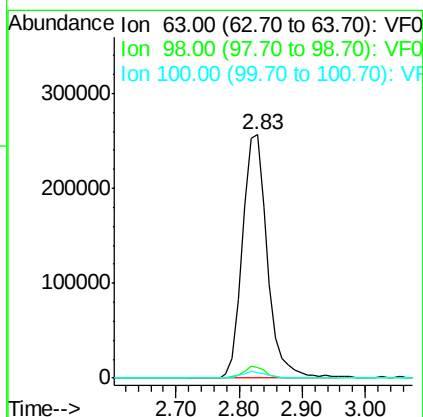
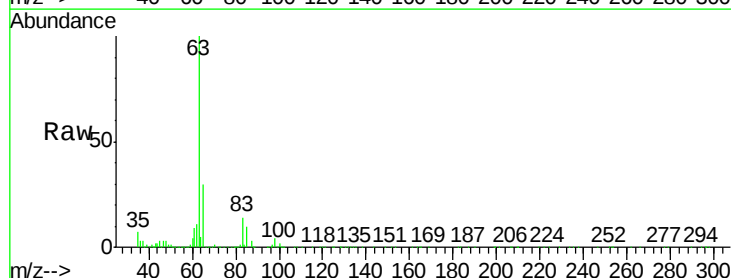
Tgt Ion: 63 Resp: 701614

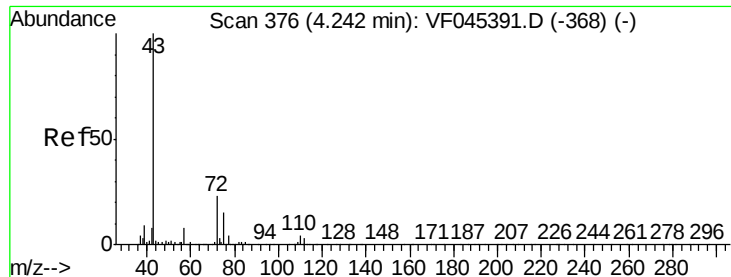
Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

100 2.1 1.1 3.5





#25

2-Butanone

Concen: 200.50 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tot Ion: 43 Resp: 718441

Ion Ratio Lower Upper

43 100

72 28.4 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

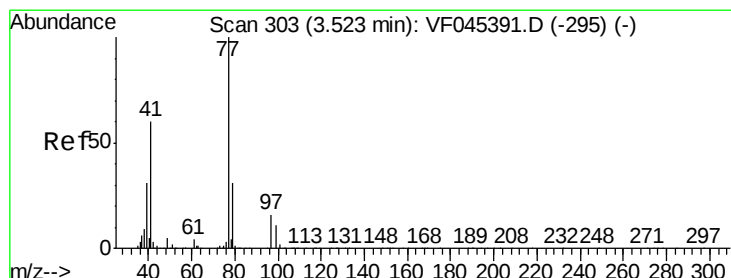
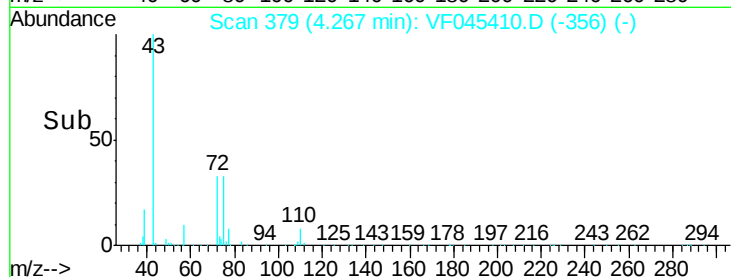
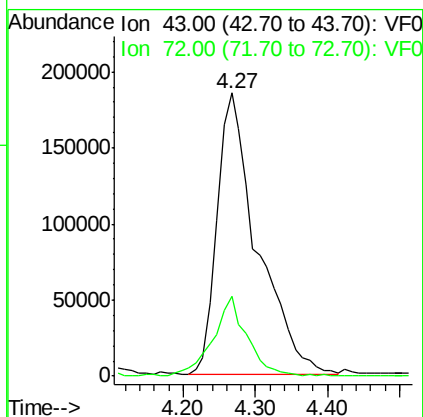
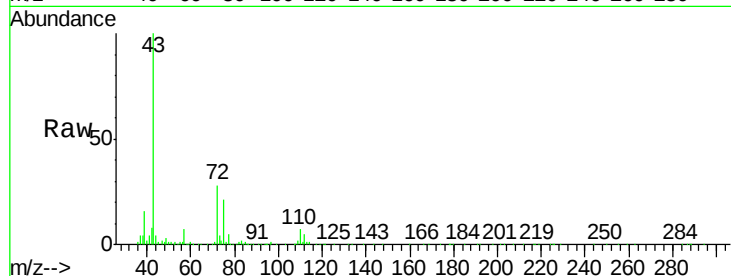
MGP209BR-29-30MSD

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#26

2,2-Dichloropropane

Concen: 45.78 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.02 min

Lab File: VF045410.D

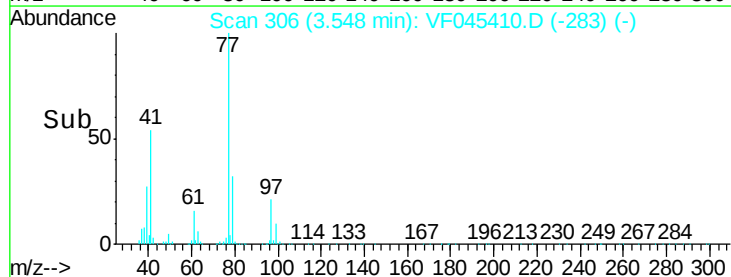
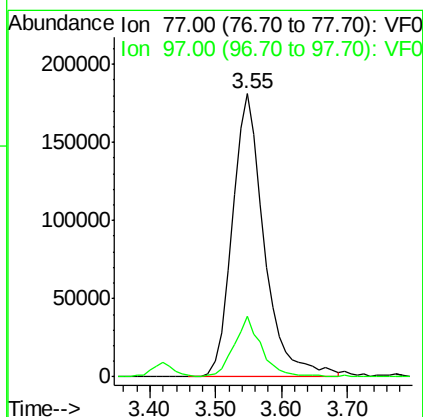
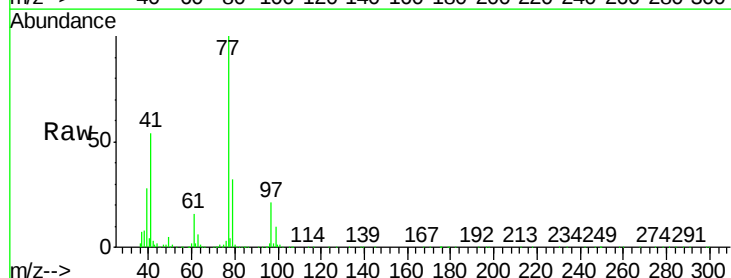
Acq: 17 Sep 2015 16:58

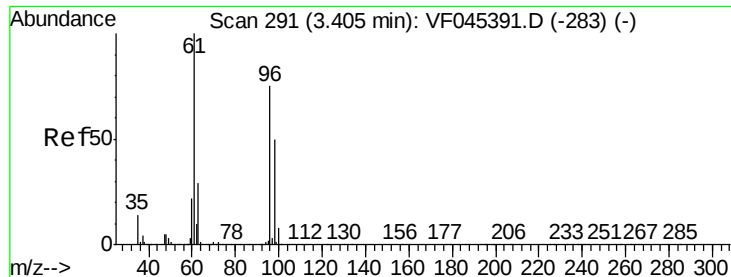
Tgt Ion: 77 Resp: 614795

Ion Ratio Lower Upper

77 100

97 21.4 9.2 27.4





#27

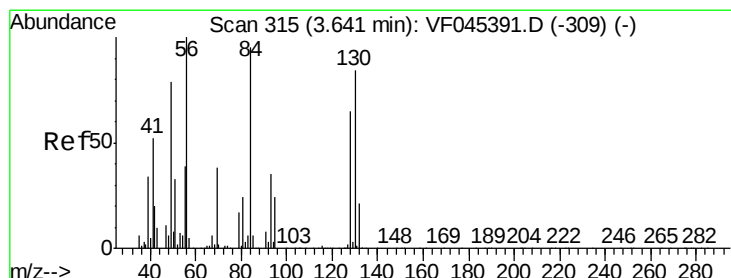
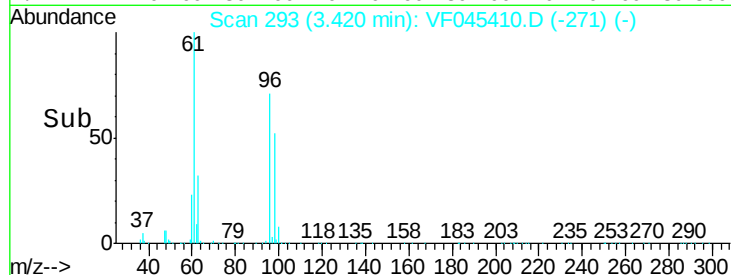
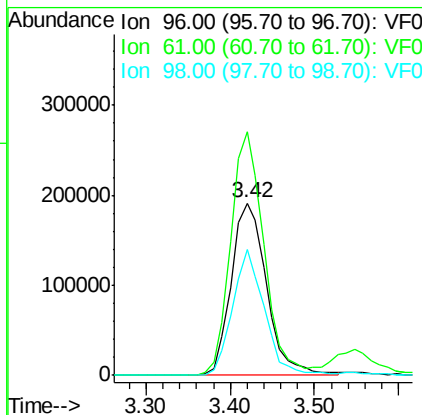
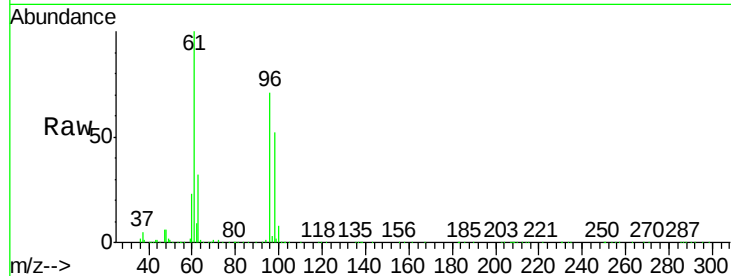
cis-1,2-Dichloroethene
Concen: 50.16 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	559408		
61	141.1		0.0	268.6
98	72.9		0.0	135.8

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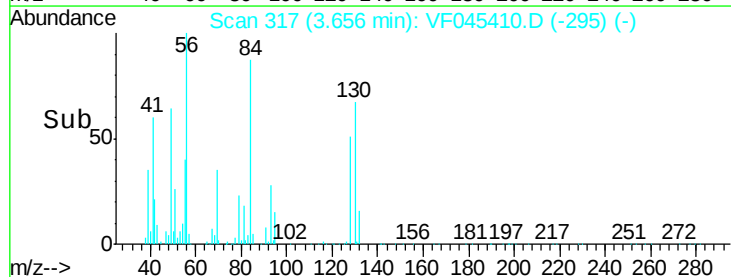
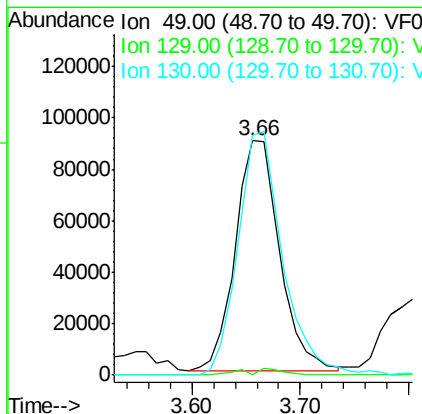
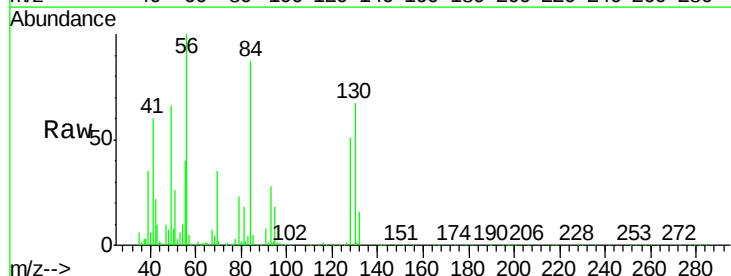
MMDadoda
9/18/2015 12:29:00 PM

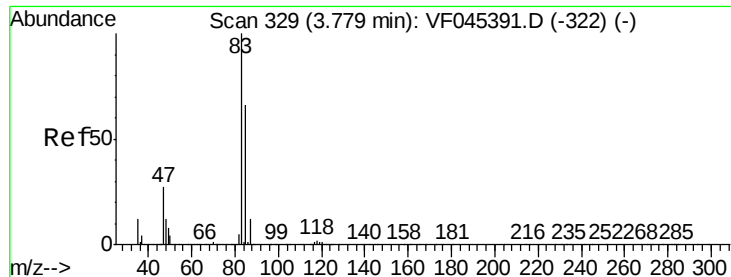


#28

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

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	255285		
129	0.0		0.0	0.0
130	102.1		79.6	119.4





#29

Chloroform

Concen: 49.91 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tot Ion: 83 Resp: 1011601

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4

Instrument :

MSVOA_F

ClientSampleId :

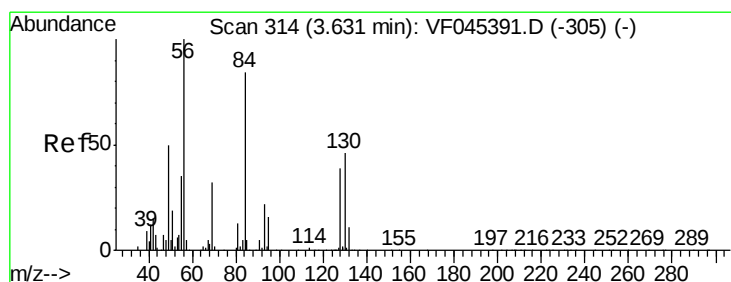
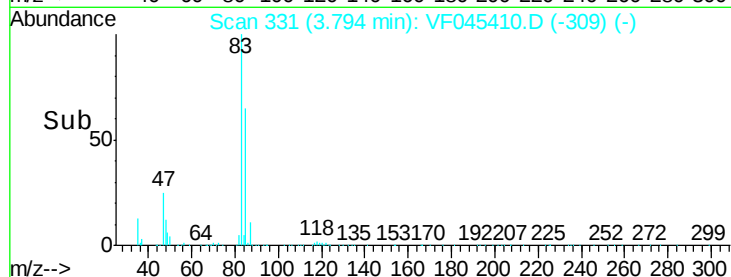
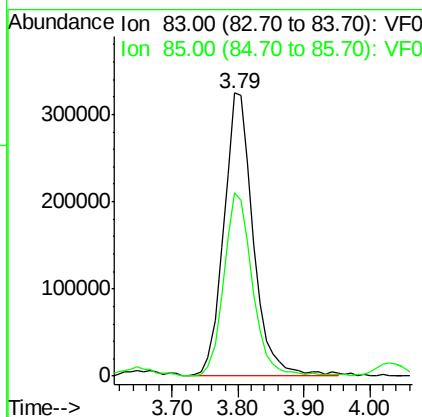
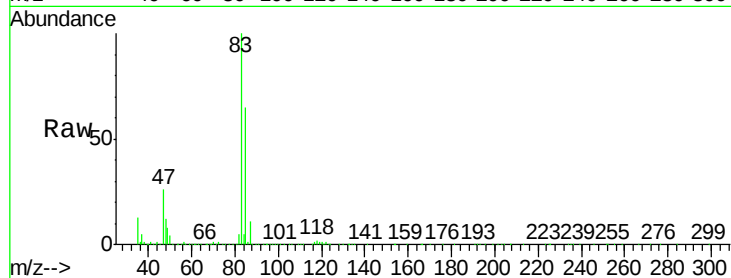
MGP209BR-29-30MSD

Manual Integrations

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#30

Cyclohexane

Concen: 47.91 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

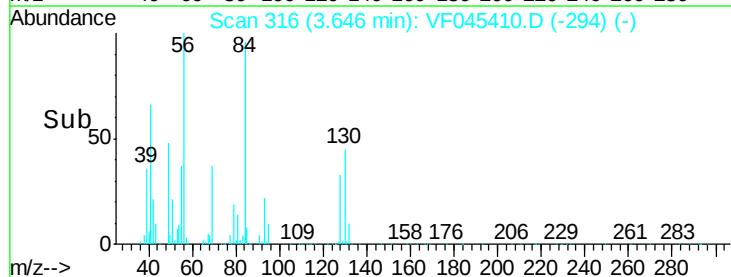
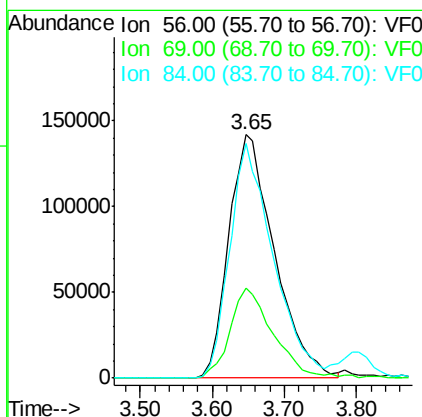
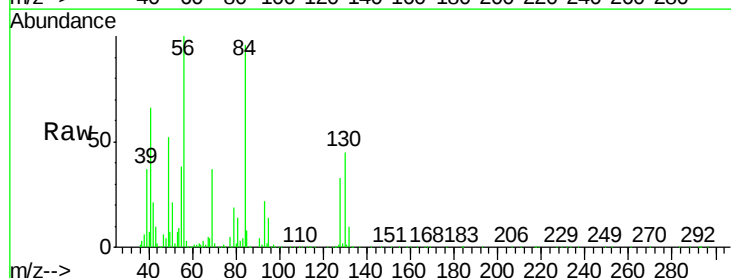
Tgt Ion: 56 Resp: 623342

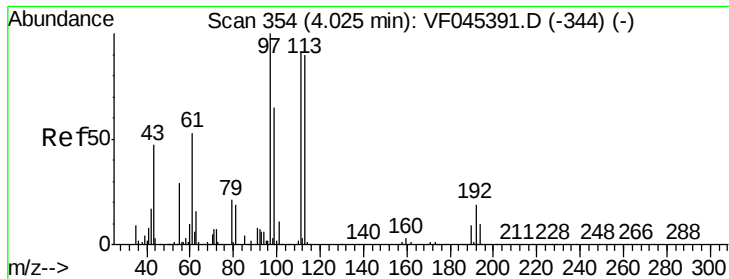
Ion Ratio Lower Upper

56 100

69 36.8 26.1 39.1

84 96.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 46.19 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

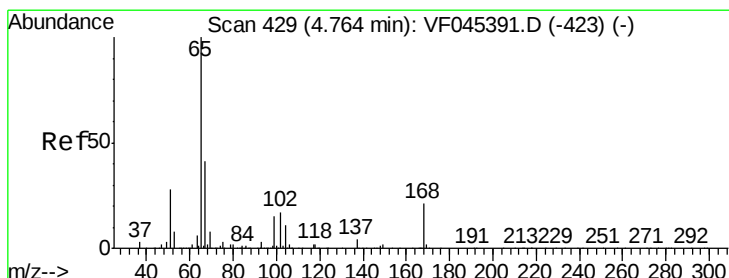
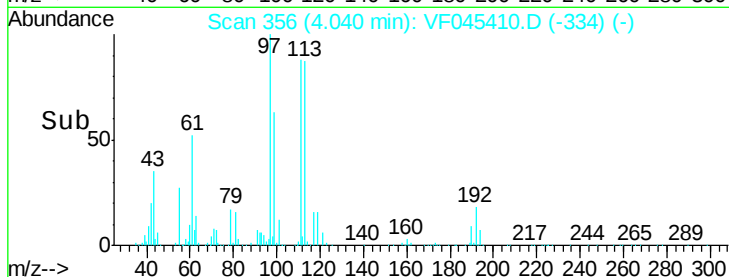
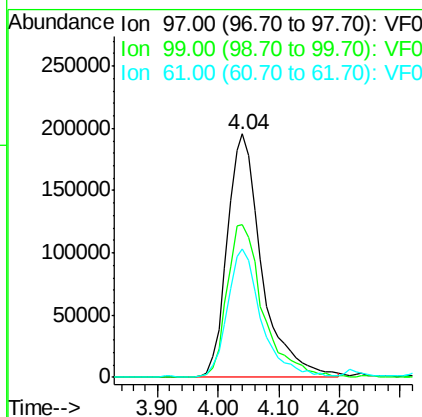
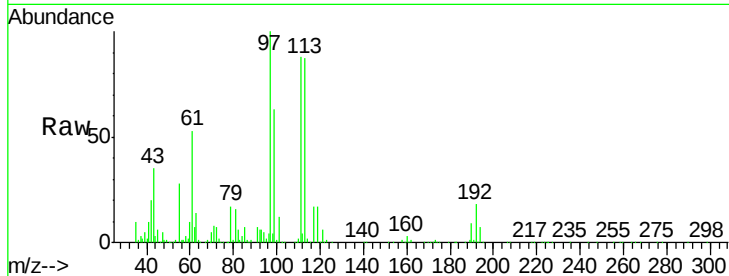
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	97	Resp:	775539
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.1	76.7
61	52.5	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 46.81 ug/l

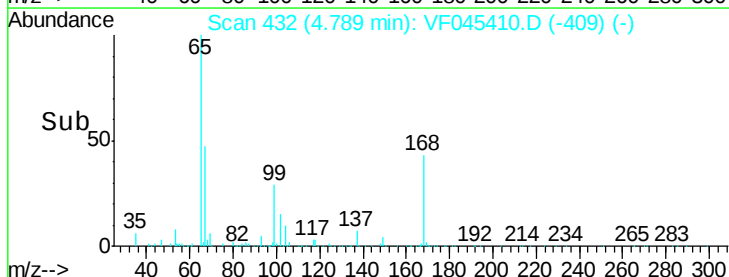
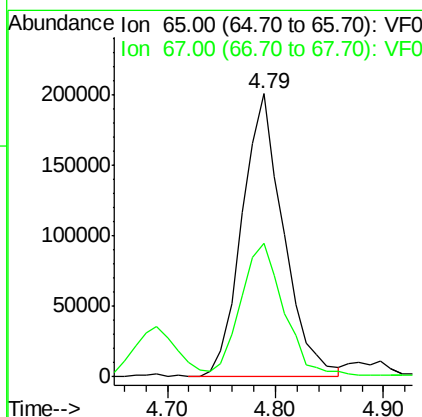
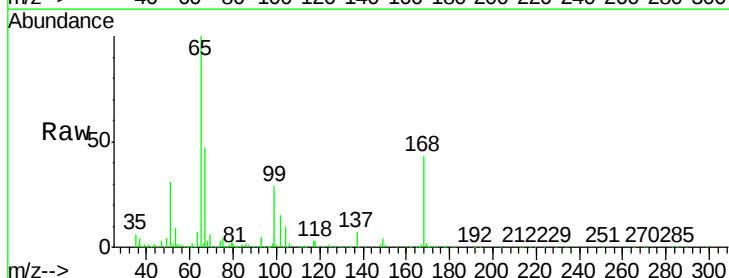
RT: 4.79 min Scan# 432

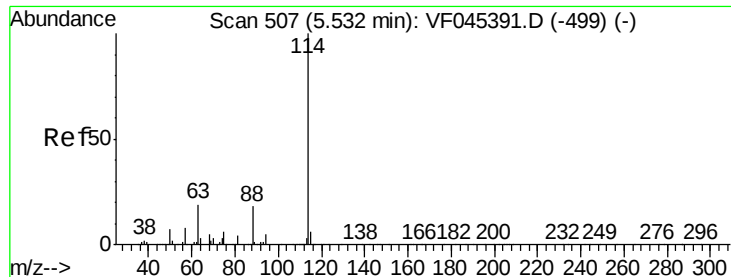
Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	65	Resp:	528126
Ion Ratio	Lower	Upper	
65	100		
67	47.3	0.0	102.2





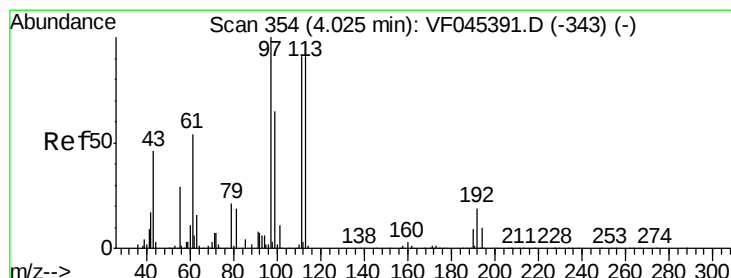
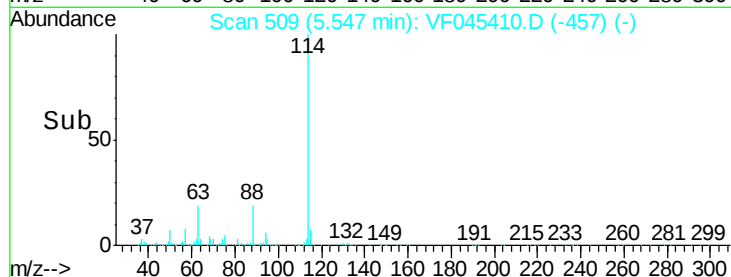
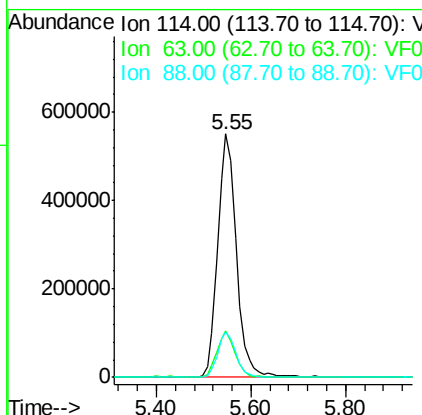
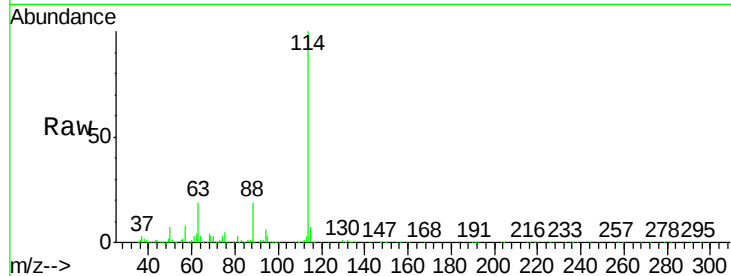
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

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

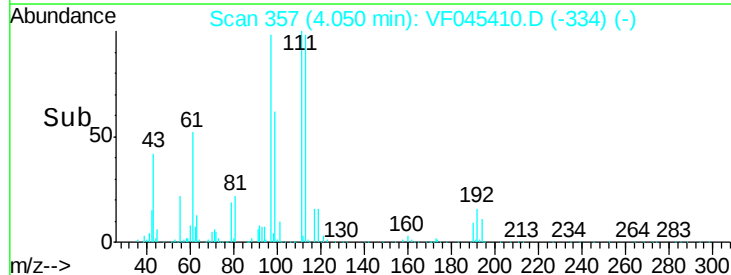
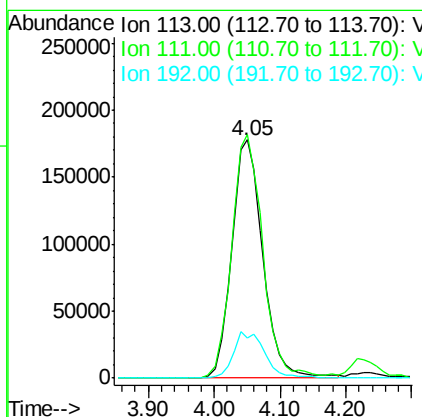
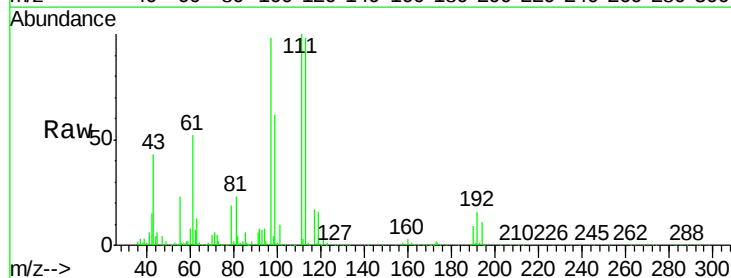
Manual Integrations
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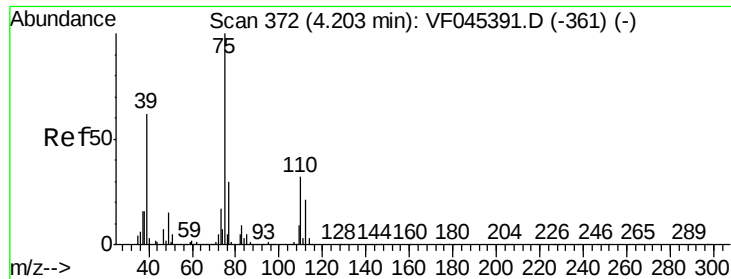
MMDadoda
 9/18/2015 12:29:00 PM



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

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	75.5	113.3
192	16.9	15.6	23.4





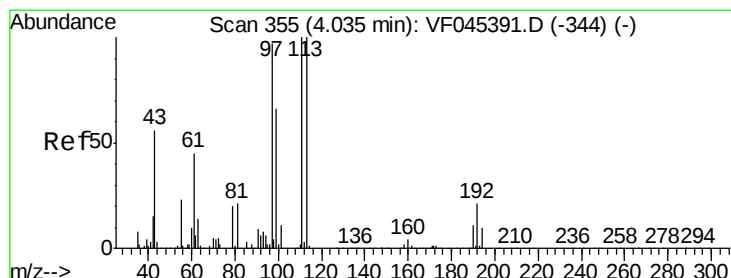
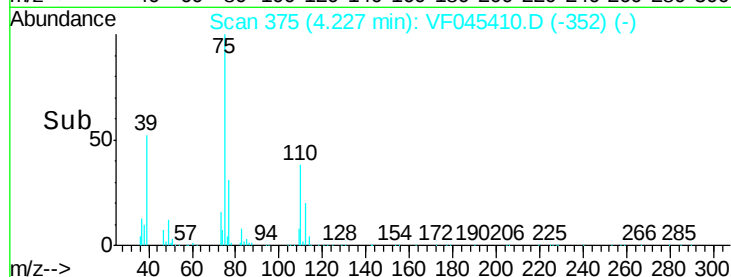
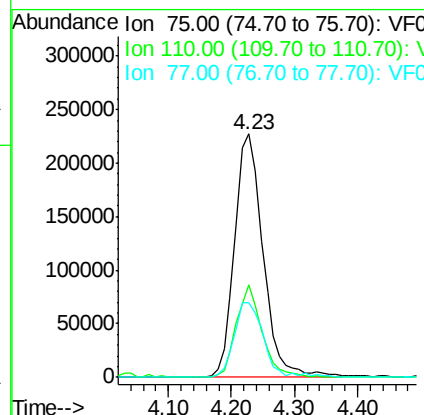
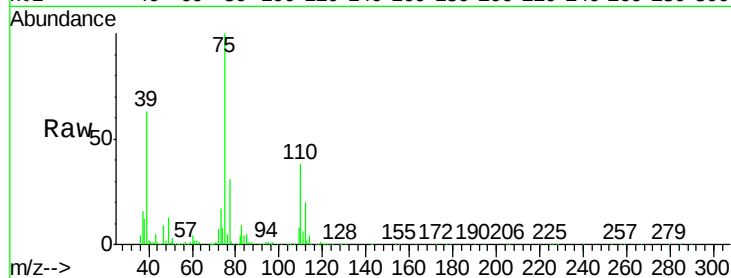
#35
 1,1-Dichloropropene
 Concen: 49.56 ug/l
 RT: 4.23 min Scan# 375
 Delta R.T. 0.02 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	15.9	47.6
77	30.9	24.2	36.4

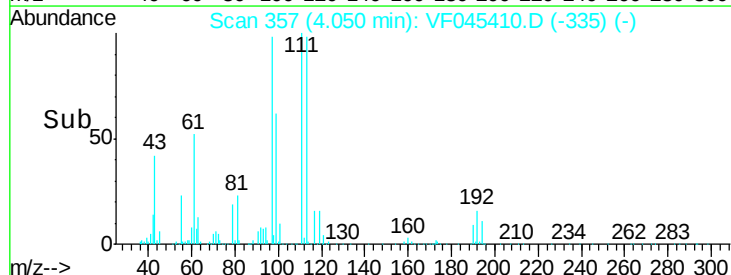
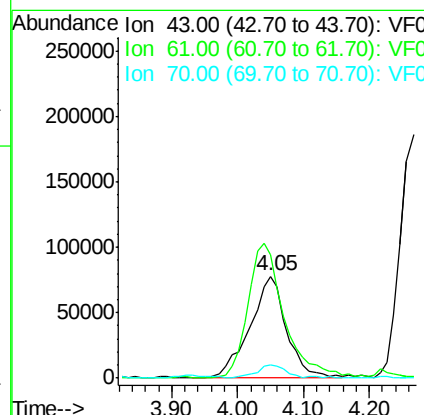
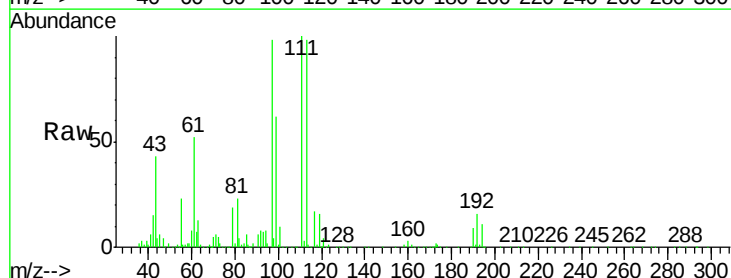
Manual Integrations
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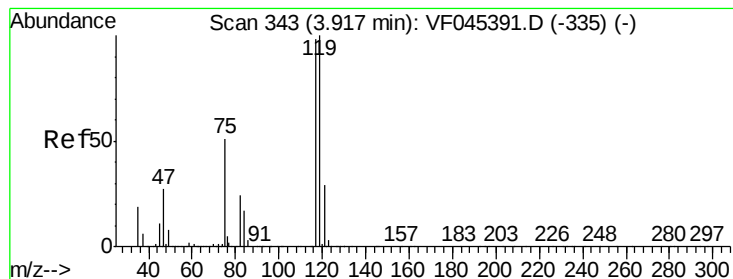
MMDadoda
 9/18/2015 12:29:00 PM



#36
 Ethyl Acetate
 Concen: 41.66 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	121.2	49.4	74.0#
70	12.6	10.8	16.2





#37

Carbon Tetrachloride

Concen: 49.93 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

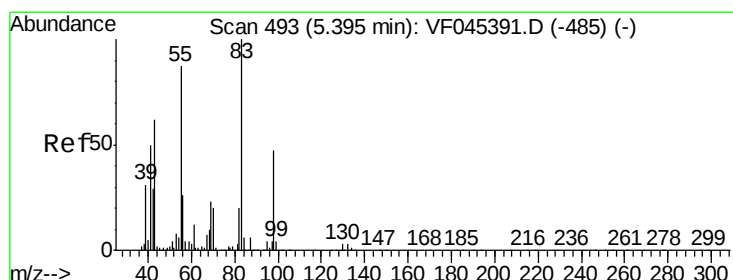
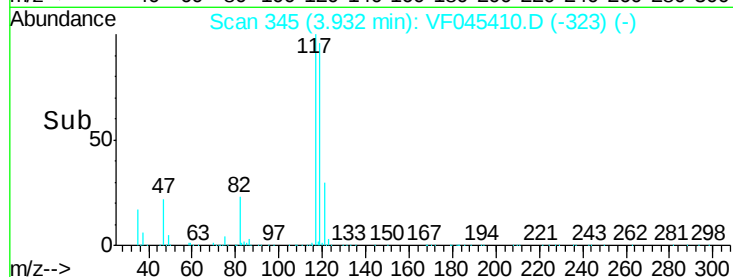
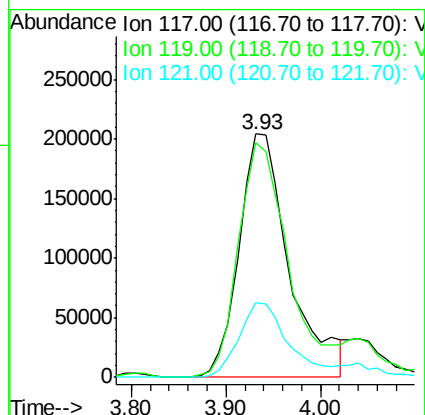
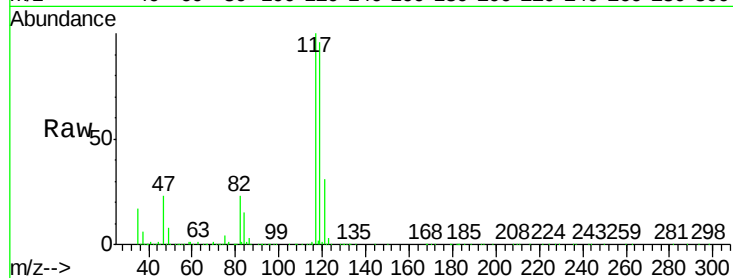
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	117	Resp:	752417
Ion Ratio	Lower	Upper	
117	100		
119	96.1	77.8	116.8
121	30.7	25.4	38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 51.94 ug/l

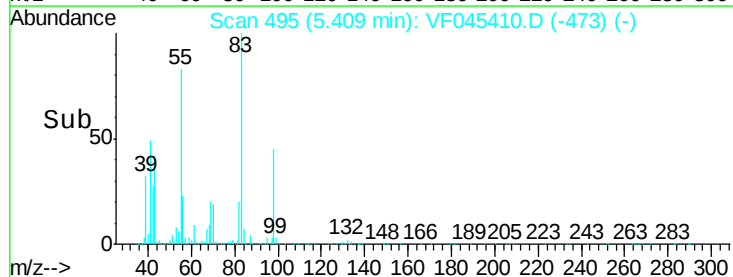
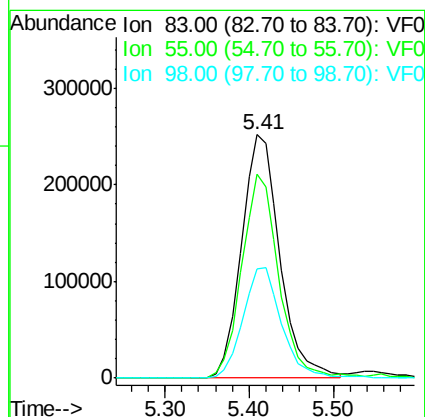
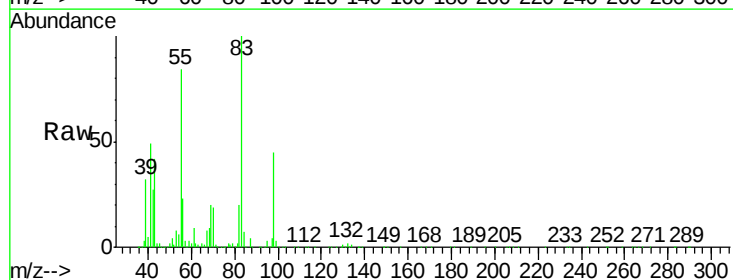
RT: 5.41 min Scan# 495

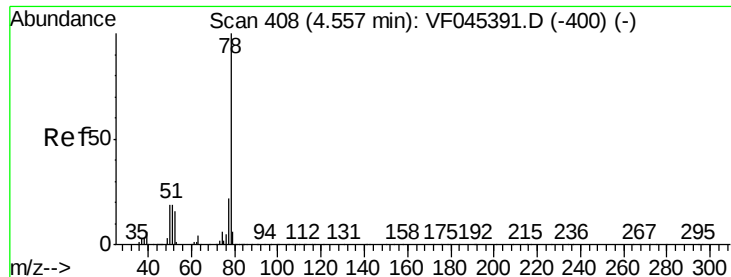
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	83	Resp:	798709
Ion Ratio	Lower	Upper	
83	100		
55	83.5	60.5	90.7
98	45.0	38.1	57.1





#39

Benzene

Concen: 50.79 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 78 Resp: 1698718

Ion Ratio Lower Upper

78 100

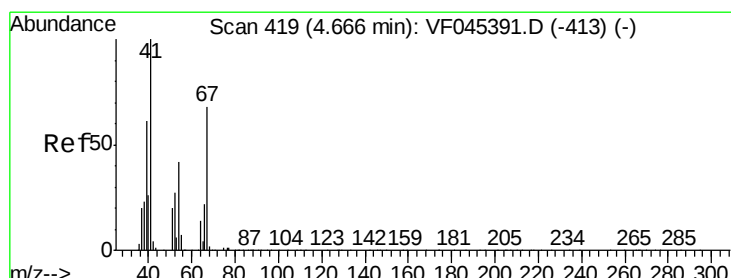
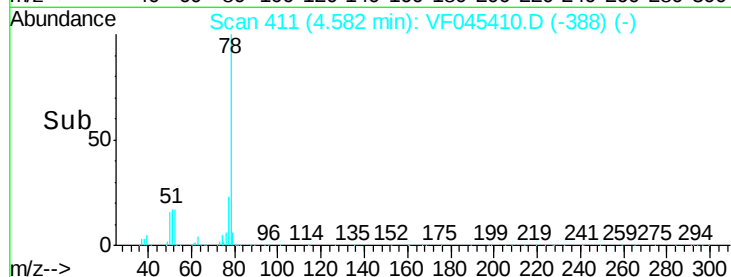
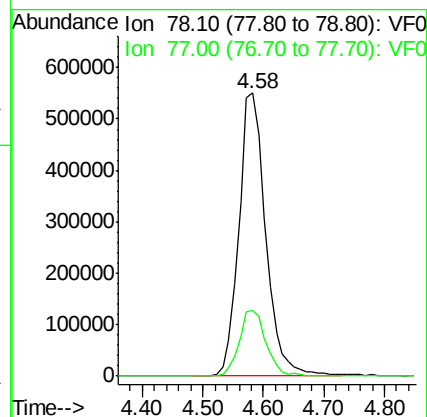
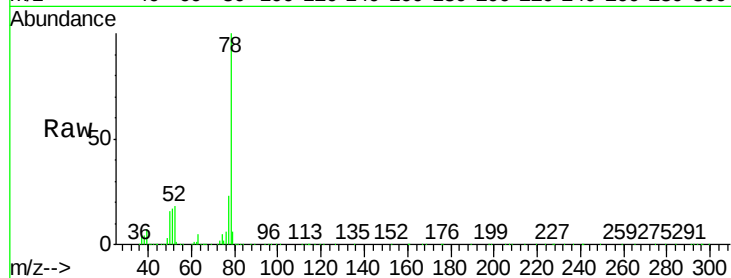
77 23.3 18.6 28.0

Manual Integrations

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#40

Methacrylonitrile

Concen: 42.33 ug/l

RT: 4.68 min Scan# 421

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion: 41 Resp: 145033

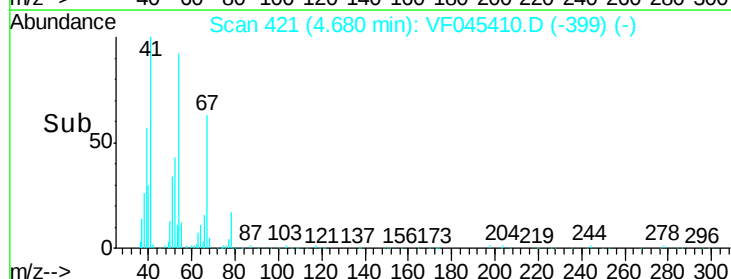
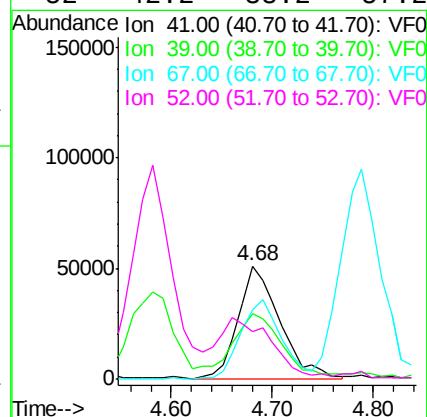
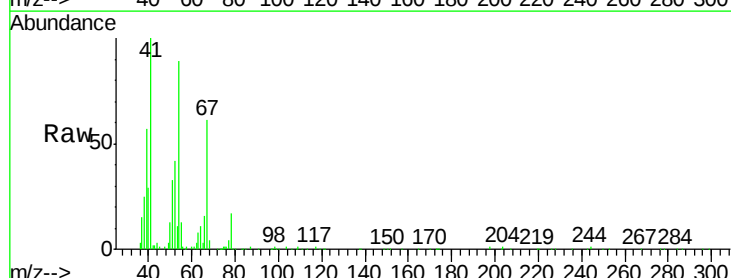
Ion Ratio Lower Upper

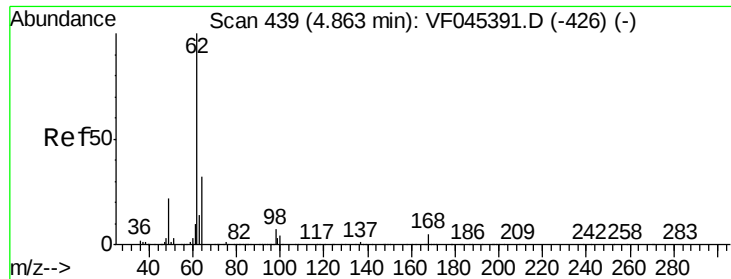
41 100

39 57.4 44.9 67.3

67 61.1 49.0 73.4

52 42.2 38.2 57.2





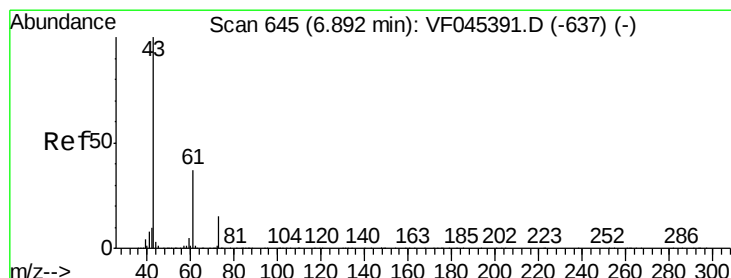
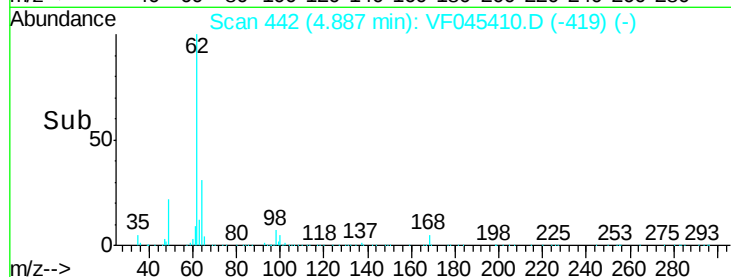
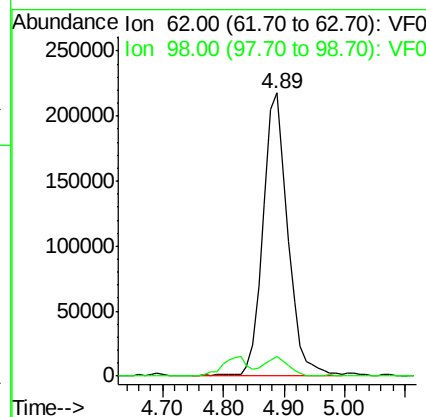
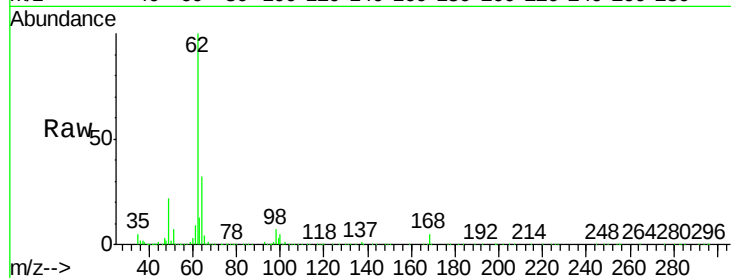
#41
 1,2-Dichloroethane
 Concen: 46.15 ug/l
 RT: 4.89 min Scan# 442
 Delta R.T. 0.02 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Tot Ion	Ratio	Resp Lower	Upper
62	100		
98	6.9	0.0	17.0

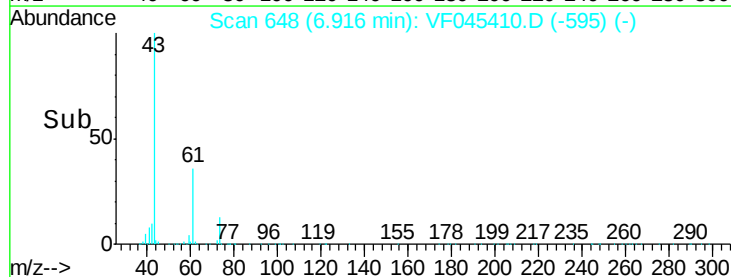
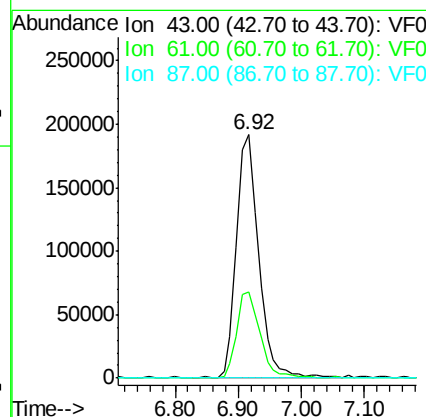
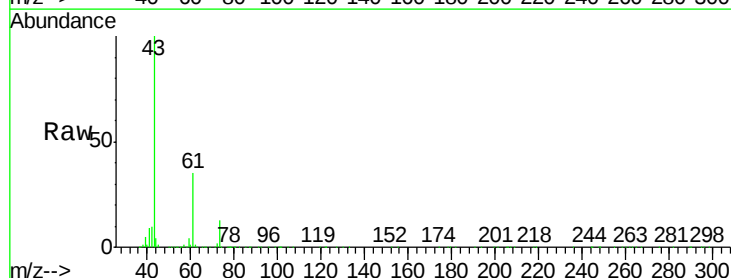
Manual Integrations
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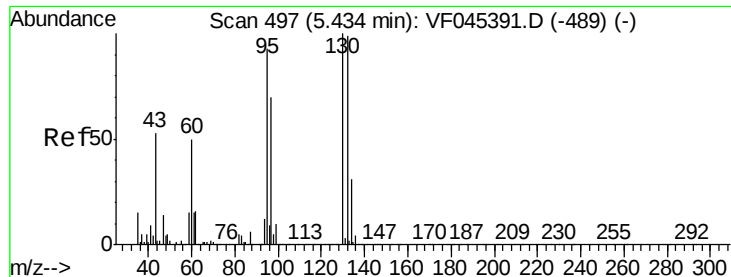
MMDadoda
 9/18/2015 12:29:00 PM



#42
 Isopropyl Acetate
 Concen: 48.48 ug/l
 RT: 6.92 min Scan# 648
 Delta R.T. 0.02 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
61	35.4	29.8	44.6
87	0.2	0.2	0.2#





#43

Trichloroethene

Concen: 49.69 ug/l

RT: 5.45 min Scan# 499

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:130 Resp: 567589

Ion Ratio Lower Upper

130 100

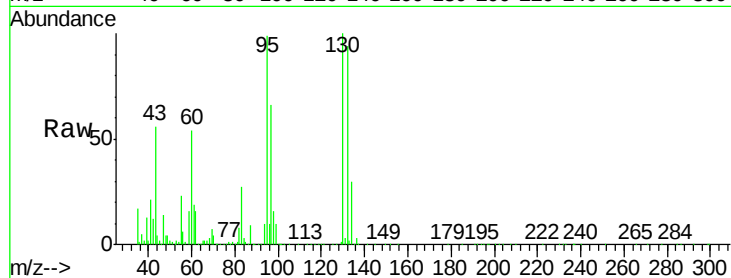
95 98.8 0.0 192.2

Manual Integrations

APPROVED

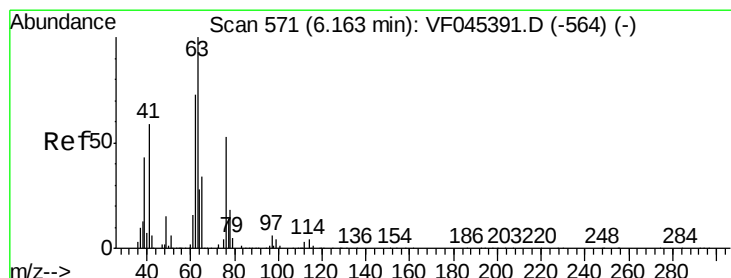
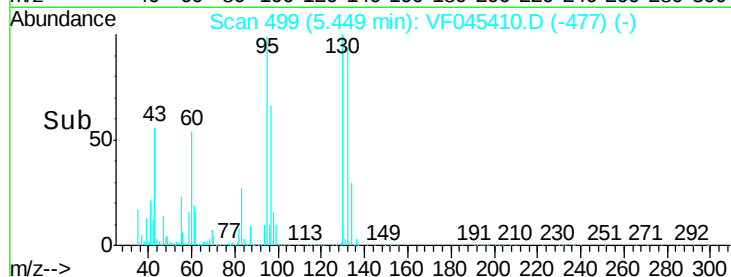
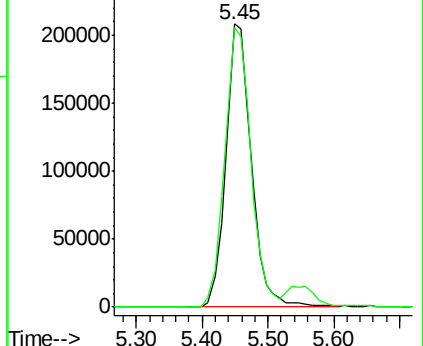
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#44

1,2-Dichloropropane

Concen: 49.84 ug/l

RT: 6.19 min Scan# 574

Delta R.T. 0.02 min

Lab File: VF045410.D

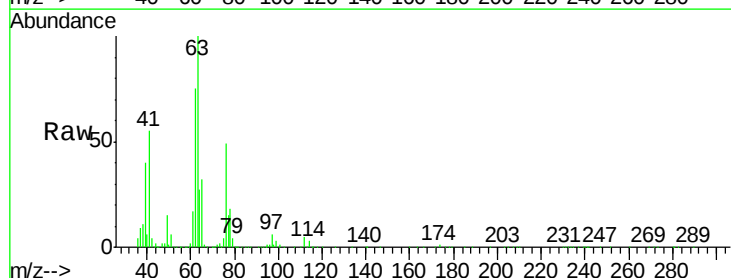
Acq: 17 Sep 2015 16:58

Tgt Ion: 63 Resp: 485686

Ion Ratio Lower Upper

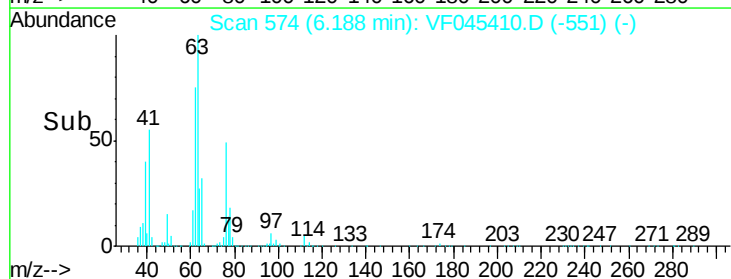
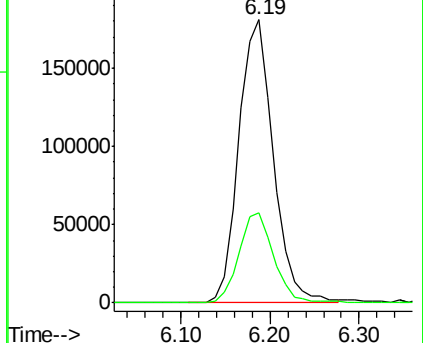
63 100

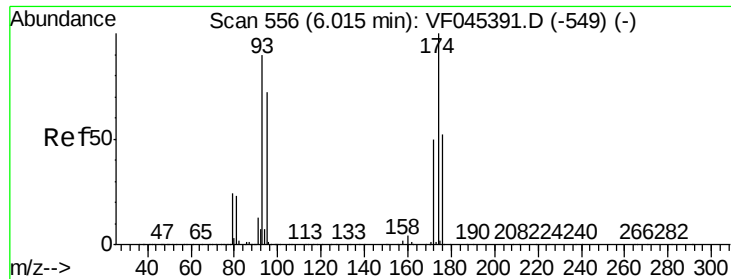
65 31.8 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#45

Dibromomethane

Concen: 49.00 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

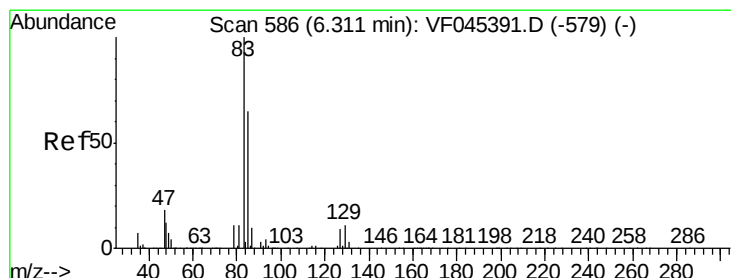
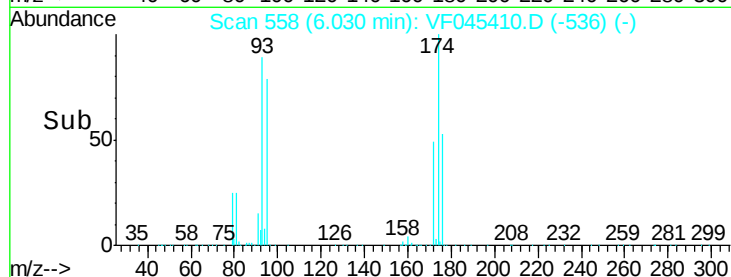
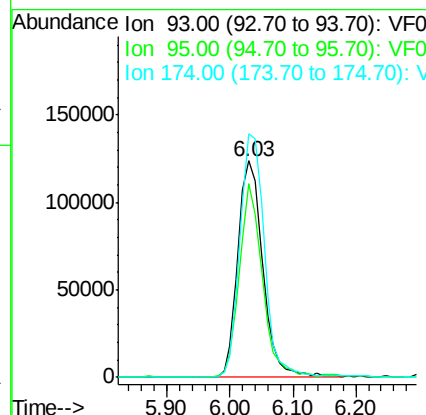
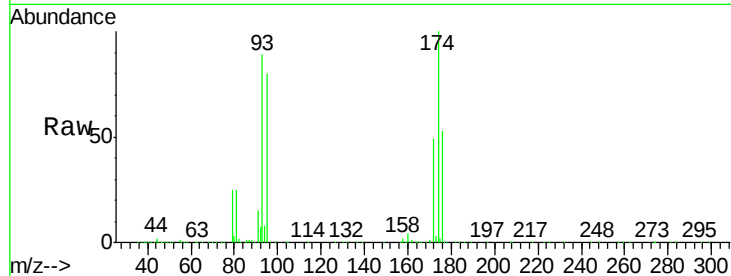
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	93	Resp:	339801
Ion Ratio	Lower	Upper	
93	100		
95	89.3	69.8	104.6
174	112.4	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 47.72 ug/l

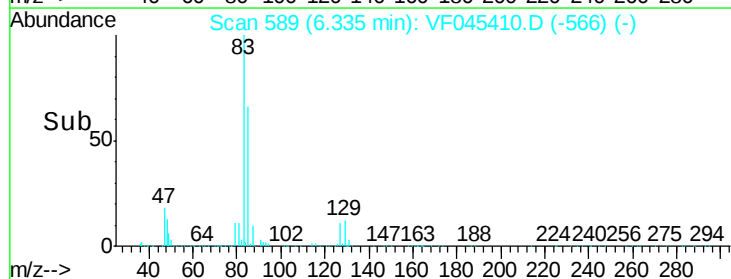
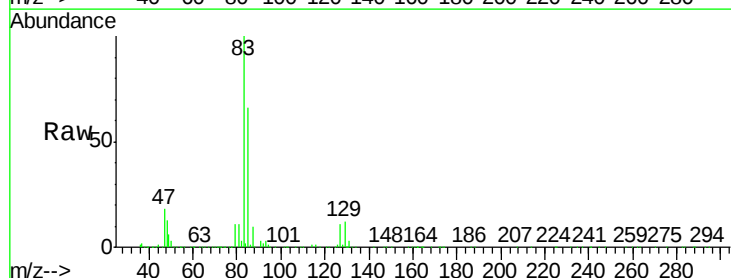
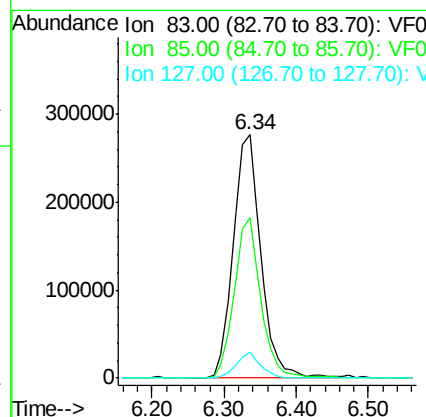
RT: 6.34 min Scan# 589

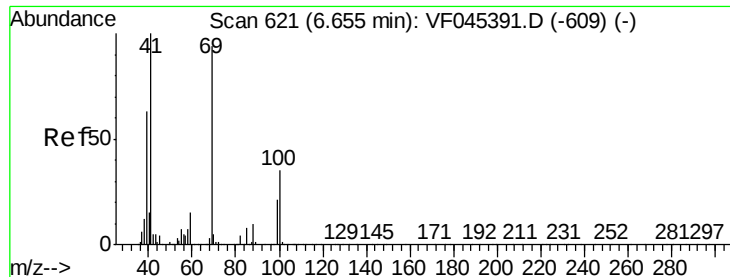
Delta R.T. 0.02 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	83	Resp:	740937
Ion Ratio	Lower	Upper	
83	100		
85	66.1	50.6	75.8
127	10.9	7.7	11.5





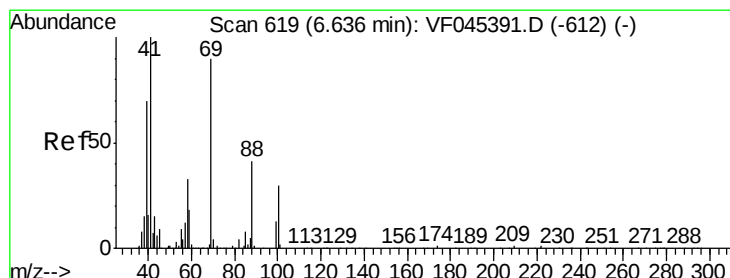
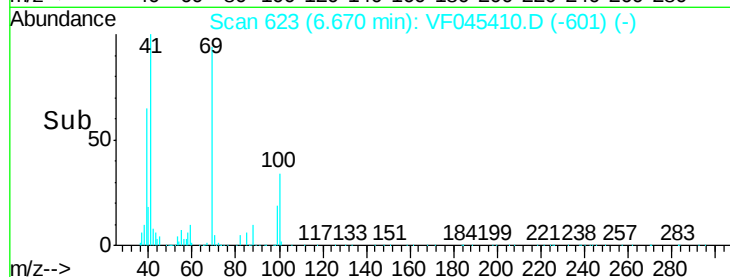
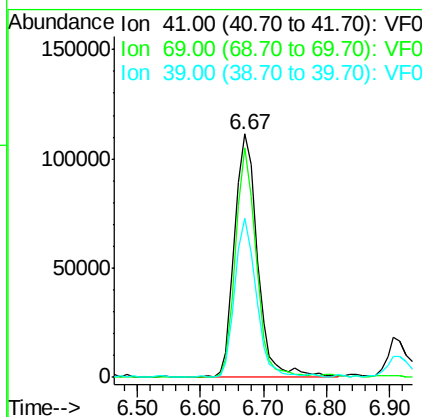
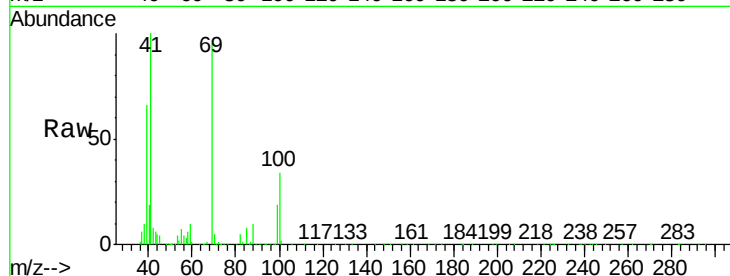
#47
Methvl methacrvlate
Concen: 48.26 ug/l
RT: 6.67 min Scan# 623
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

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

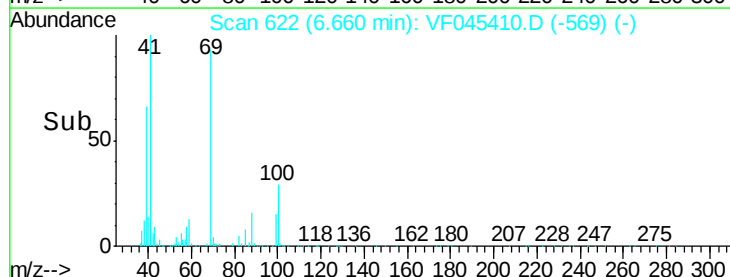
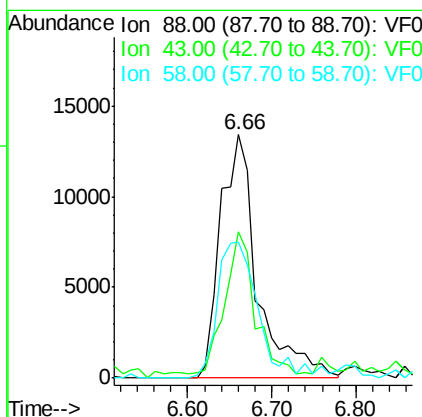
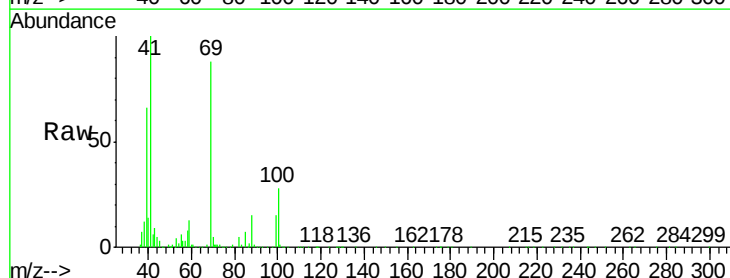
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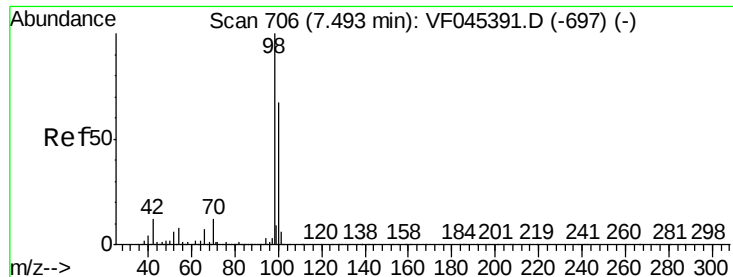
MMDadoda
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#48
1,4-Dioxane
Concen: 591.88 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

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





#49

Toluene-d8

Concen: 54.78 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 98 Resp: 1885250

Ion Ratio Lower Upper

98 100

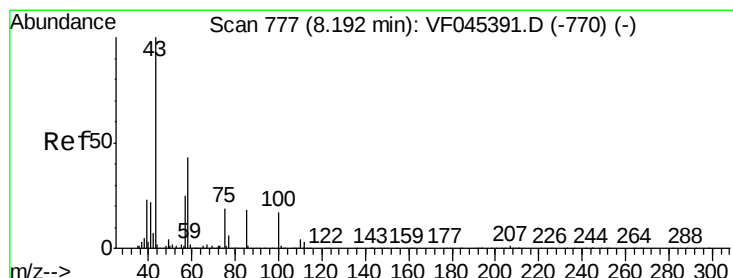
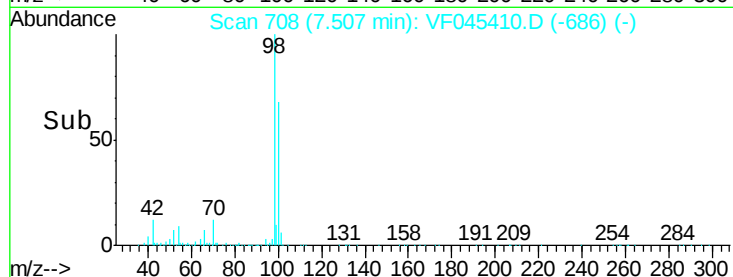
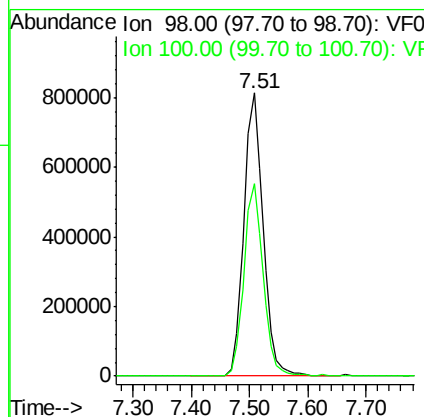
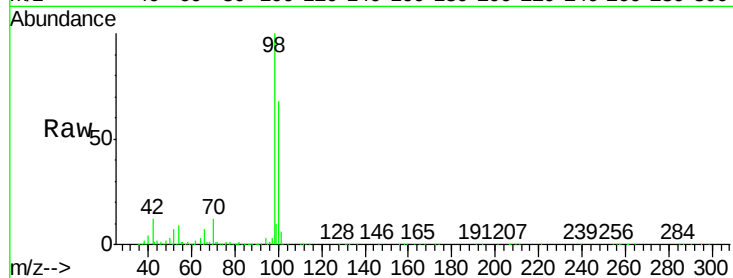
100 68.0 54.4 81.6

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#50

4-Methyl-2-Pentanone

Concen: 236.61 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045410.D

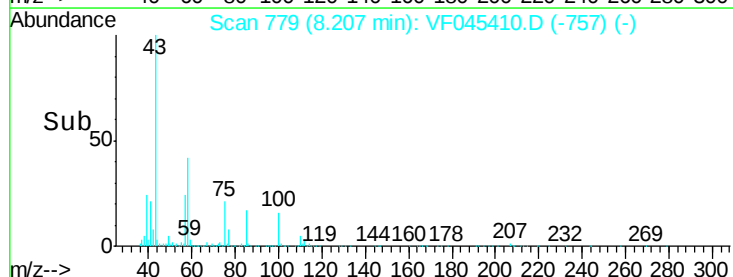
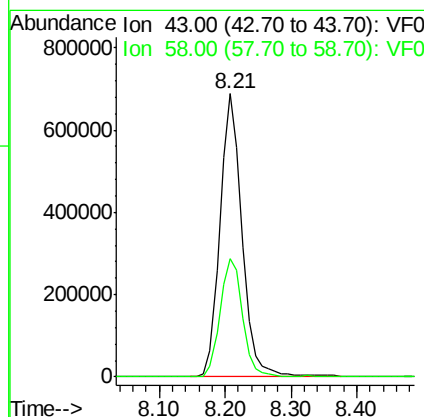
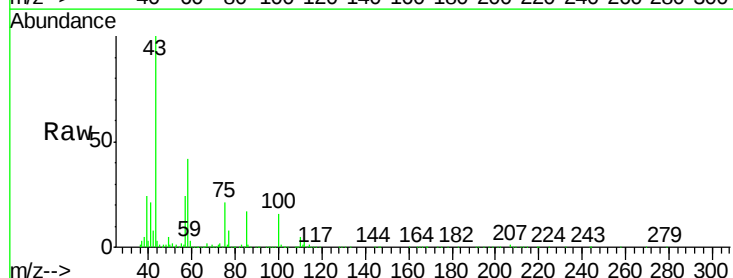
Acq: 17 Sep 2015 16:58

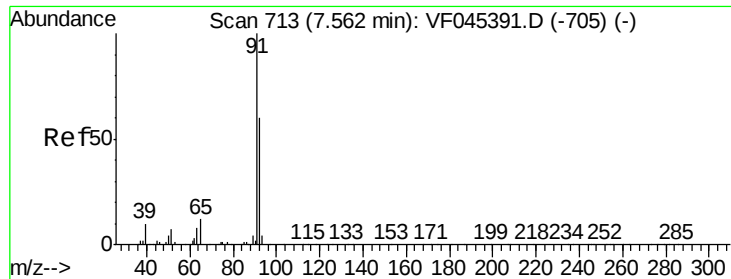
Tgt Ion: 43 Resp: 1604681

Ion Ratio Lower Upper

43 100

58 41.9 33.6 50.4





#51

Toluene

Concen: 51.75 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tot Ion: 92 Resp: 1333870

Ion Ratio Lower Upper

92 100

91 168.1 133.4 200.0

Instrument :

MSVOA_F

ClientSampleId :

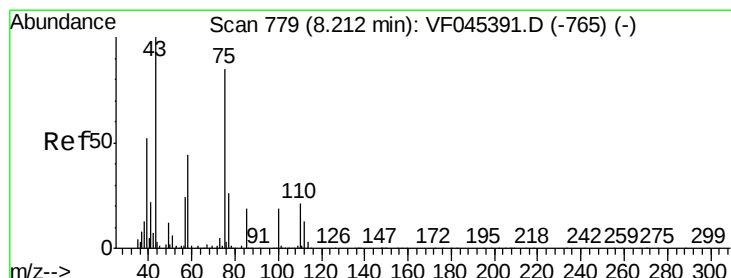
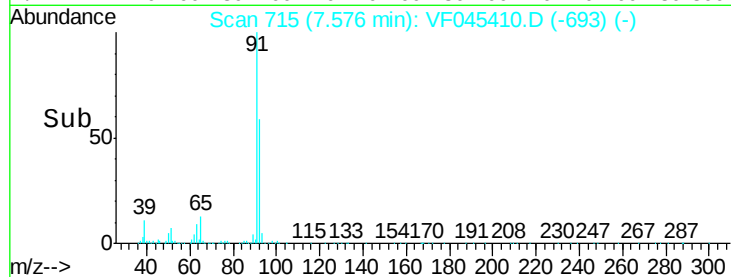
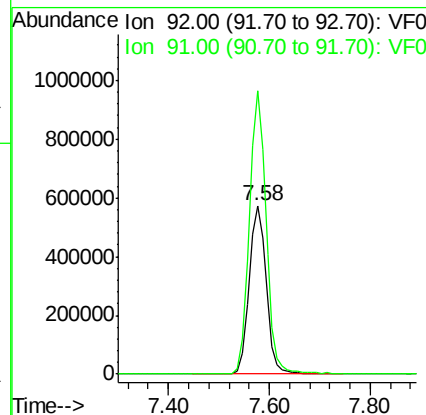
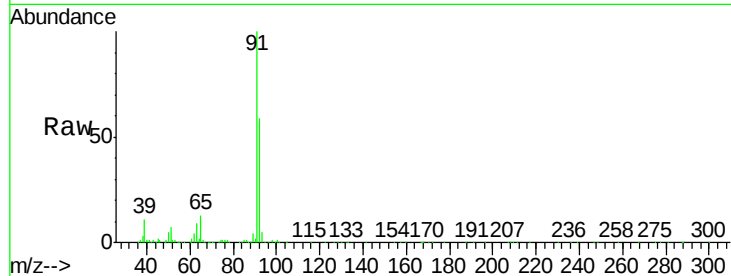
MGP209BR-29-30MSD

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#52

t-1,3-Dichloropropene

Concen: 48.92 ug/l

RT: 8.23 min Scan# 781

Delta R.T. 0.01 min

Lab File: VF045410.D

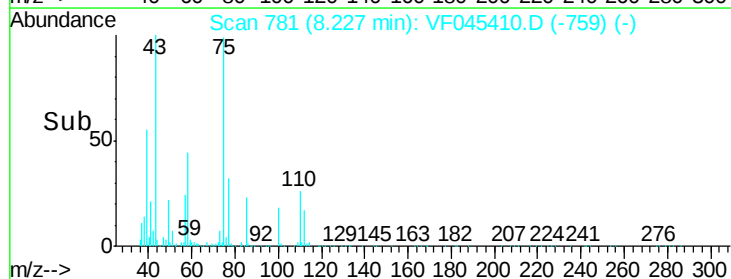
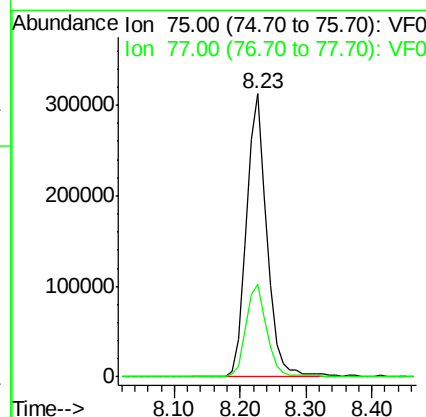
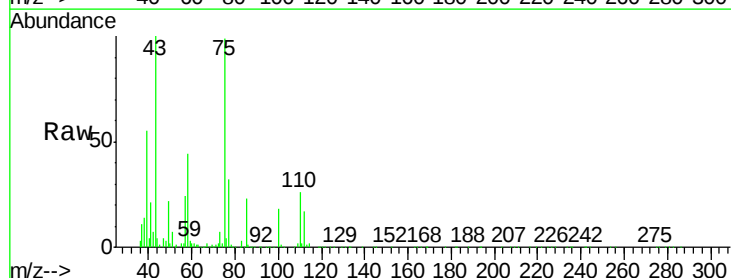
Acq: 17 Sep 2015 16:58

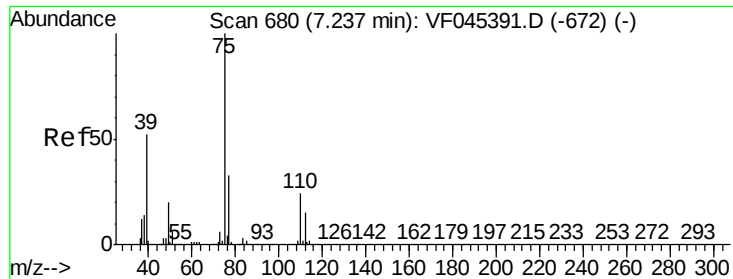
Tgt Ion: 75 Resp: 682759

Ion Ratio Lower Upper

75 100

77 32.8 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 50.98 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.01 min

Lab File: VF045410.D

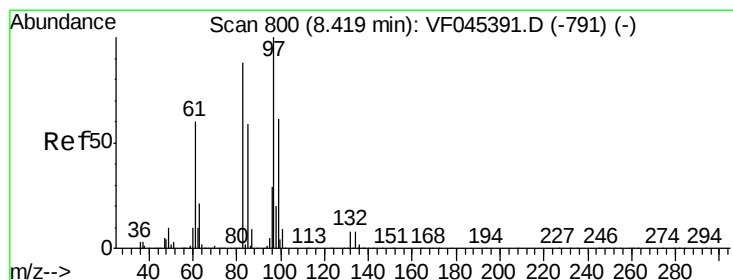
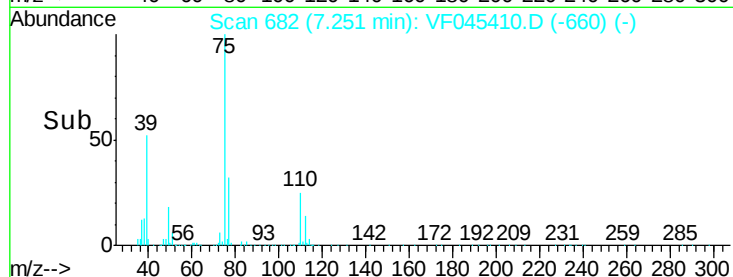
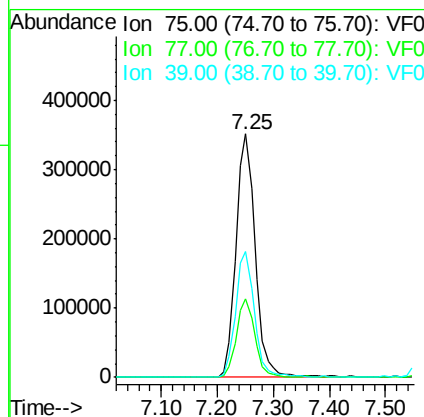
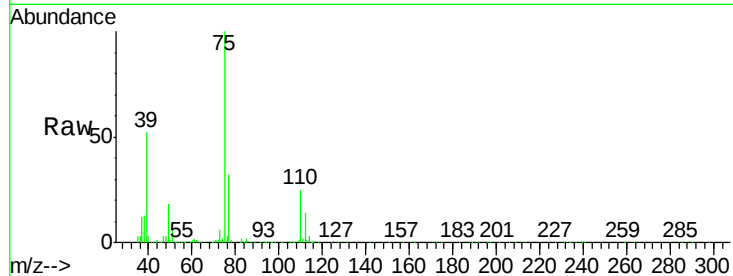
Acq: 17 Sep 2015 16:58

Tot Ion:	75	Resp:	840325
Ion Ratio		Lower	Upper
75	100		
77	32.1	25.5	38.3
39	51.5	41.6	62.4

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Manual Integrations
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#54

1,1,2-Trichloroethane

Concen: 48.55 ug/l

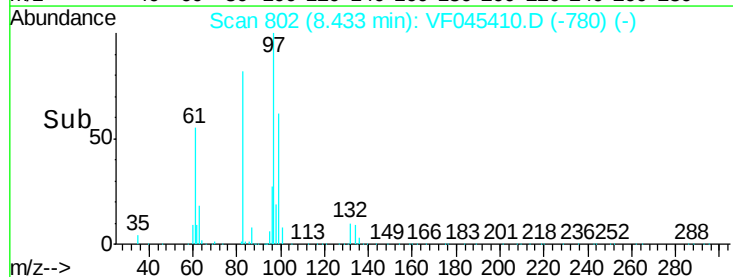
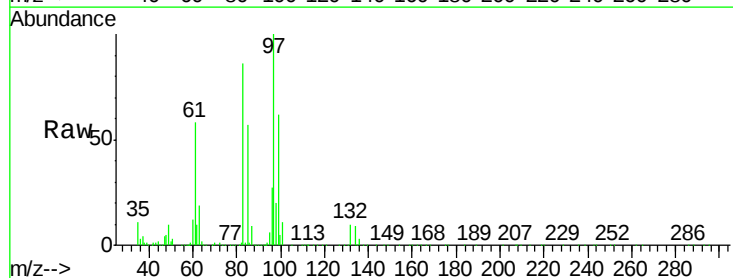
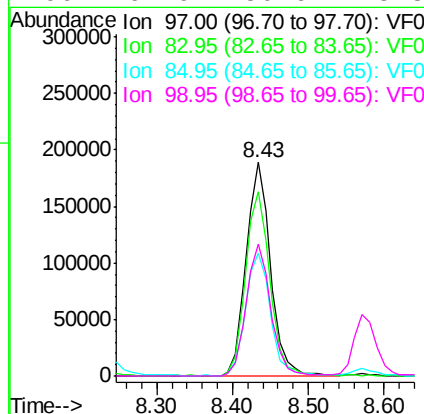
RT: 8.43 min Scan# 802

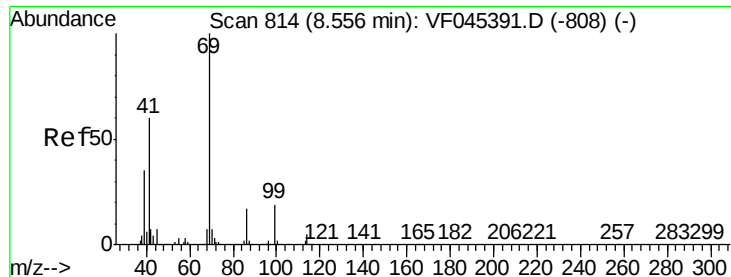
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	97	Resp:	423184
Ion Ratio		Lower	Upper
97	100		
83	86.3	70.1	105.1
85	57.5	47.4	71.2
99	61.9	50.6	75.8





#55

Ethyl methacrylate

Concen: 48.73 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

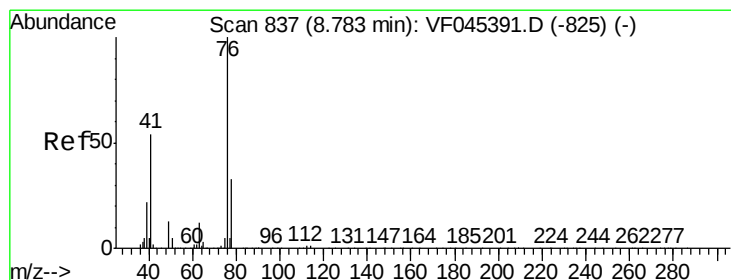
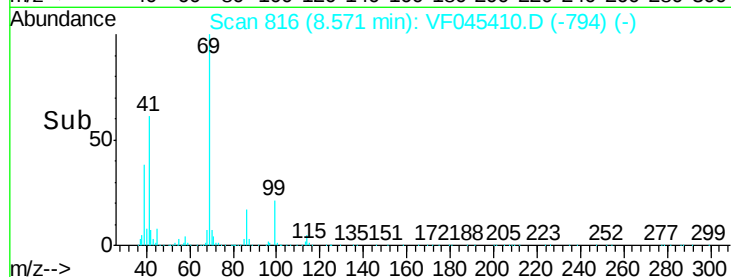
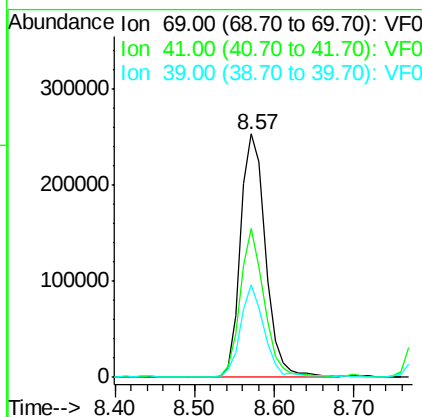
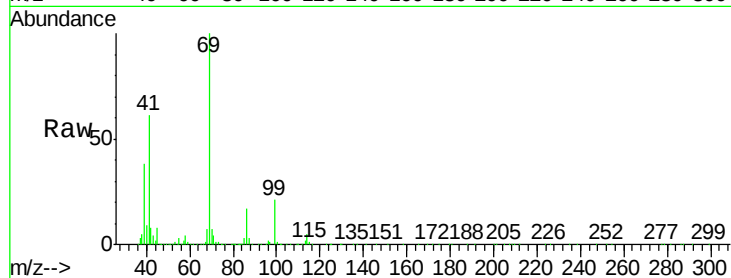
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	69	Resp:	552589
Ion Ratio	Lower	Upper	
69	100		
41	61.3	51.0	76.4
39	37.8	29.1	43.7

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#56

1,3-Dichloropropane

Concen: 48.09 ug/l

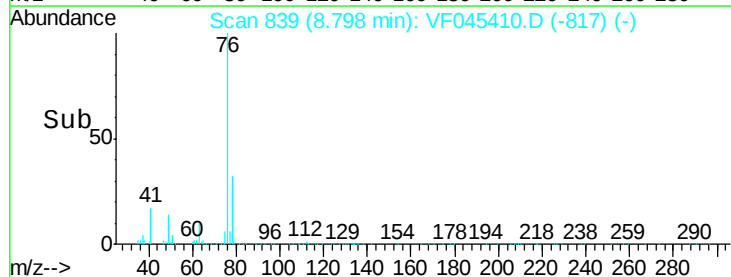
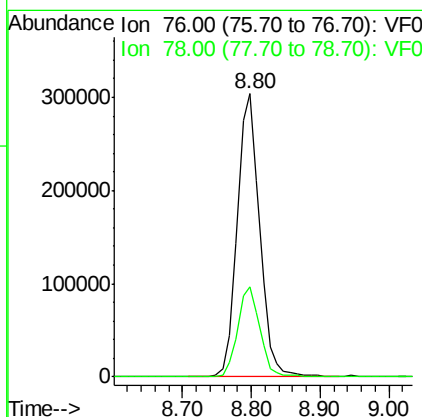
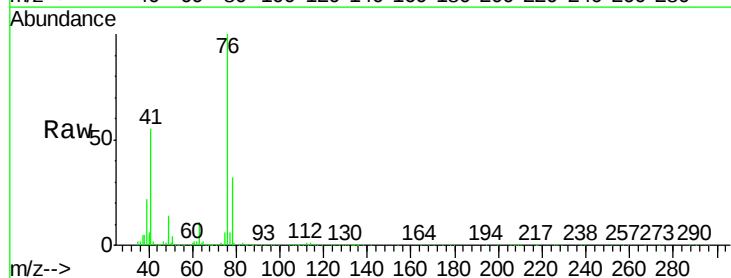
RT: 8.80 min Scan# 839

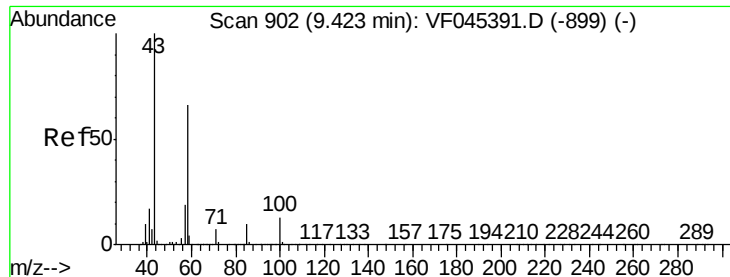
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	76	Resp:	683734
Ion Ratio	Lower	Upper	
76	100		
78	31.7	26.1	39.1





#58

2-Hexanone

Concen: 233.16 ug/l

RT: 9.44 min Scan# 904

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 43 Resp: 1258617

Ion Ratio Lower Upper

43 100

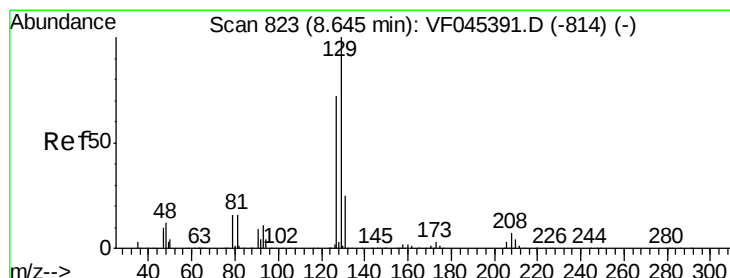
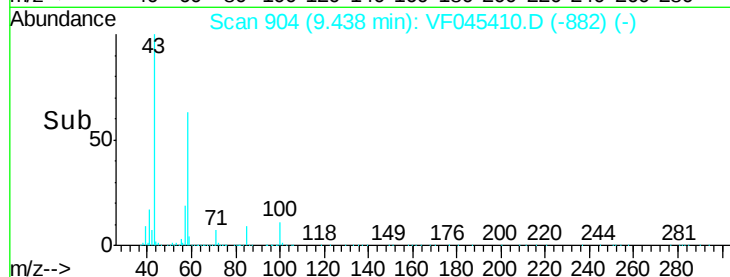
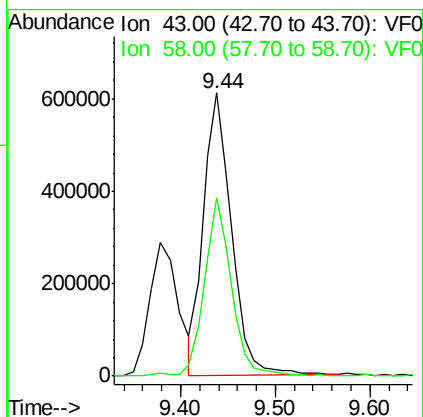
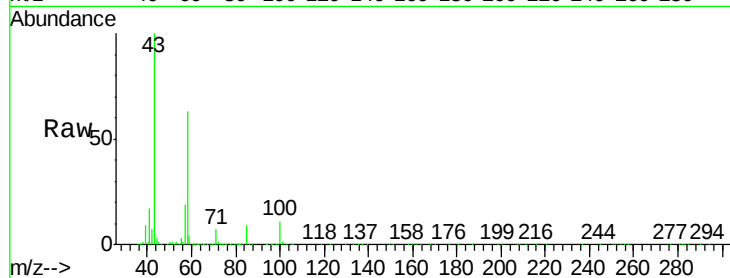
58 62.9 28.8 86.5

Manual Integrations

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#59

Dibromochloromethane

Concen: 46.72 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF045410.D

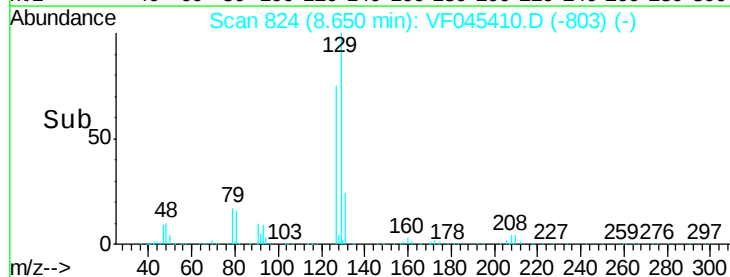
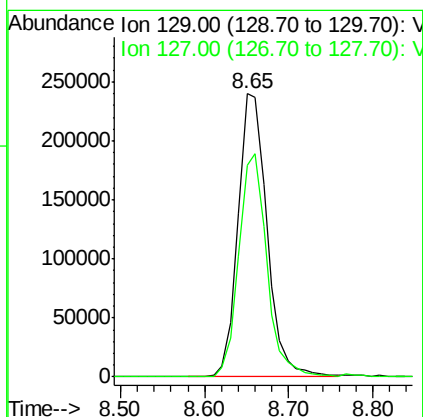
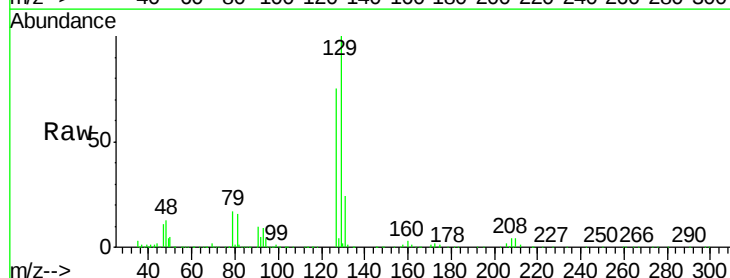
Acq: 17 Sep 2015 16:58

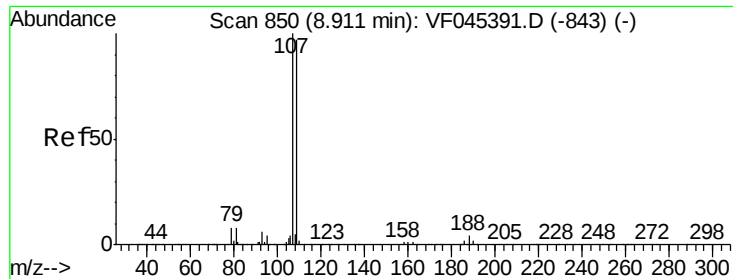
Tgt Ion: 129 Resp: 577172

Ion Ratio Lower Upper

129 100

127 74.7 38.2 114.6





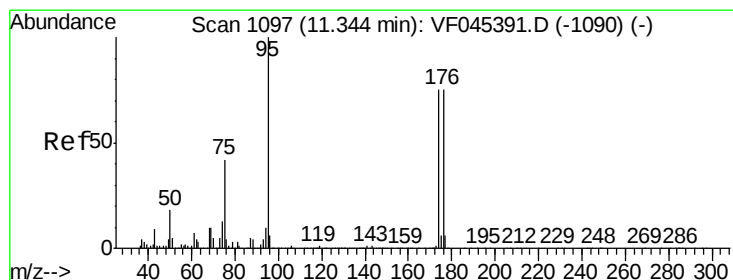
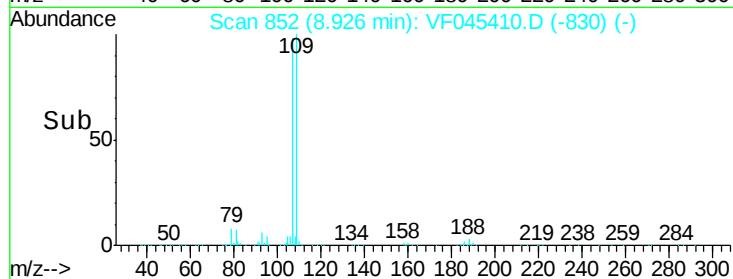
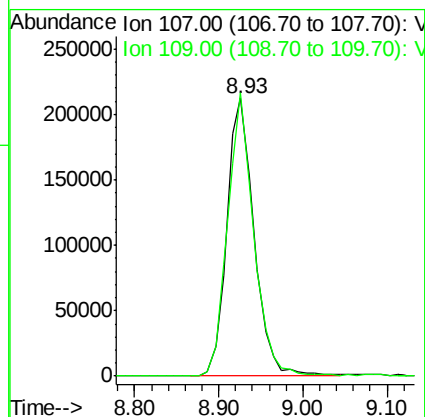
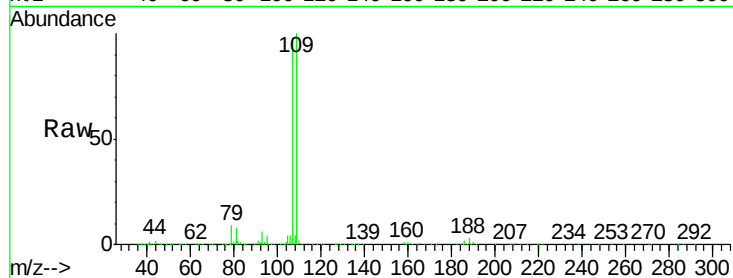
#60
 1,2-Dibromoethane
 Concen: 48.19 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

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

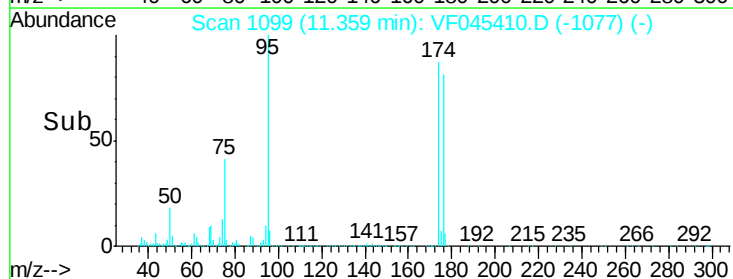
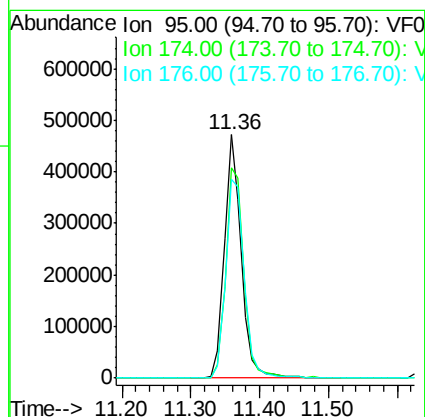
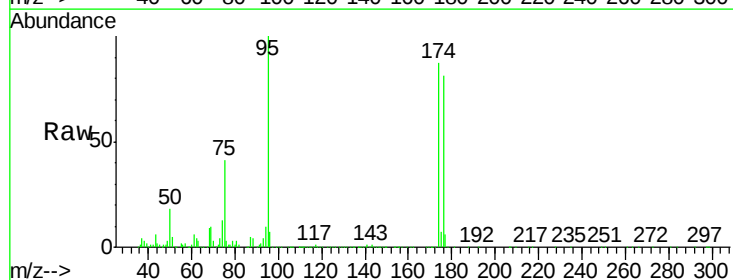
Manual Integrations
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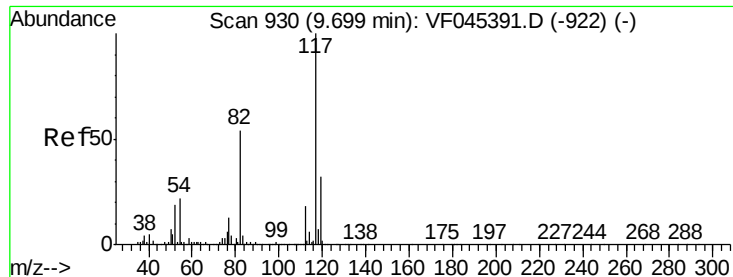
MMDadoda
 9/18/2015 12:29:00 PM



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

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





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 932

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:117 Resp: 1482923

Ion Ratio Lower Upper

117 100

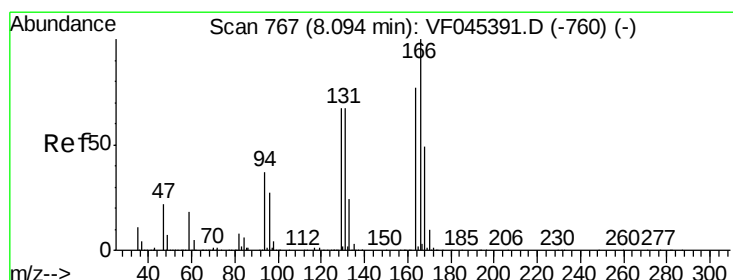
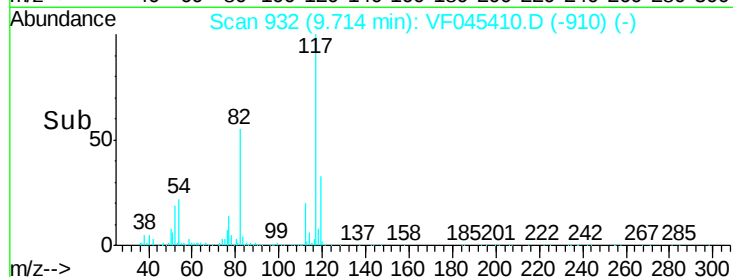
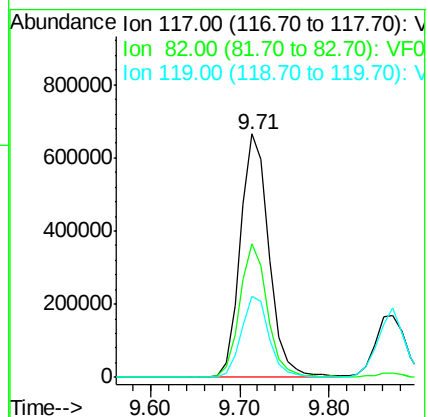
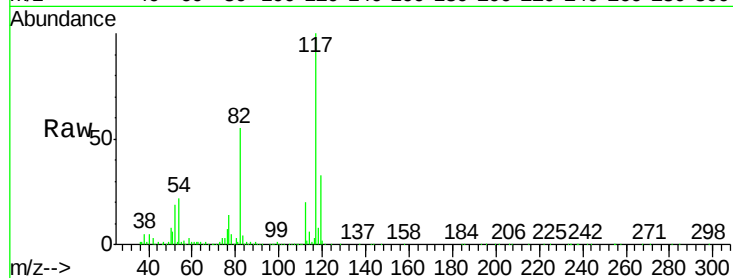
82 55.1 45.0 67.6

119 33.1 26.2 39.4

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#63

Tetrachloroethene

Concen: 51.19 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.00 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:164 Resp: 603120

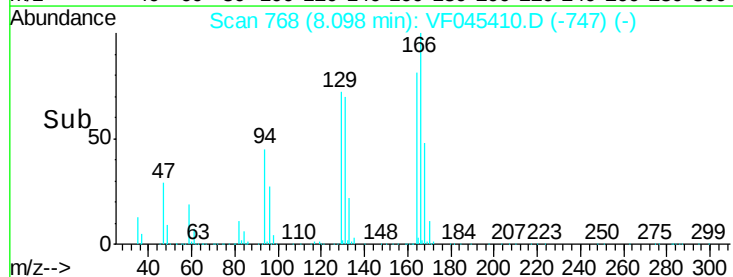
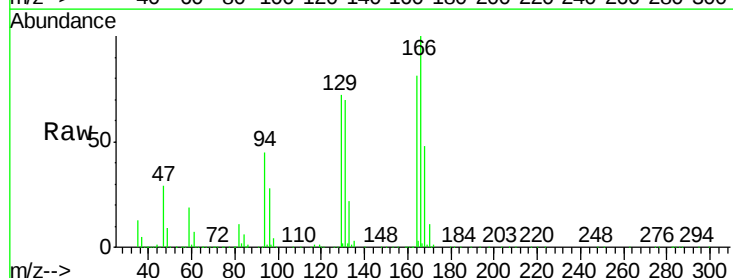
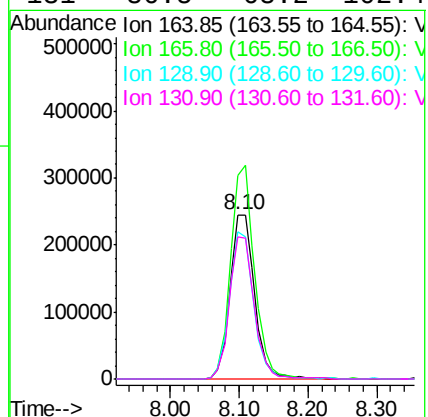
Ion Ratio Lower Upper

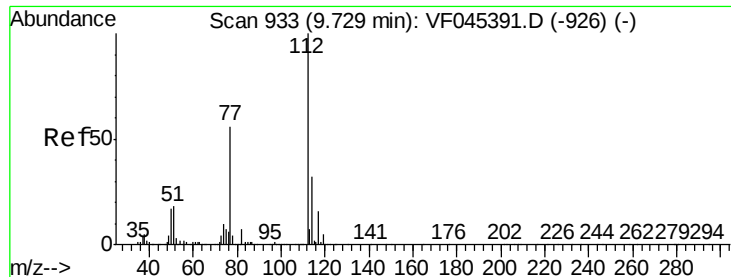
164 100

166 124.1 106.0 159.0

129 89.9 69.8 104.6

131 86.5 68.2 102.4





#64

Chlorobenzene

Concen: 49.20 ug/l

RT: 9.74 min Scan# 935

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:112 Resp: 1530619

Ion Ratio Lower Upper

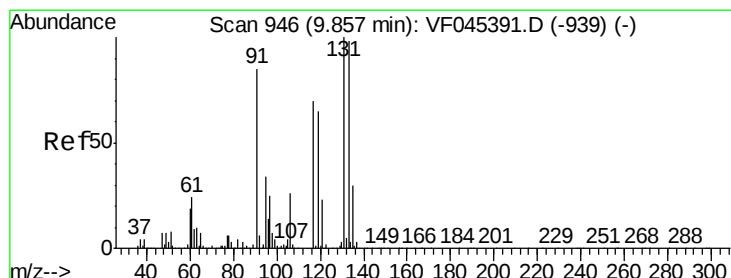
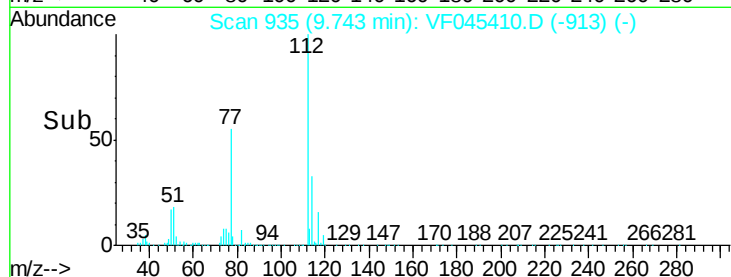
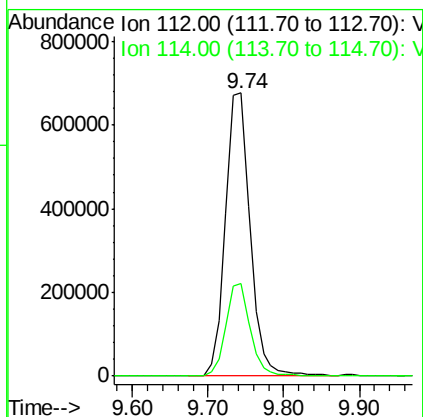
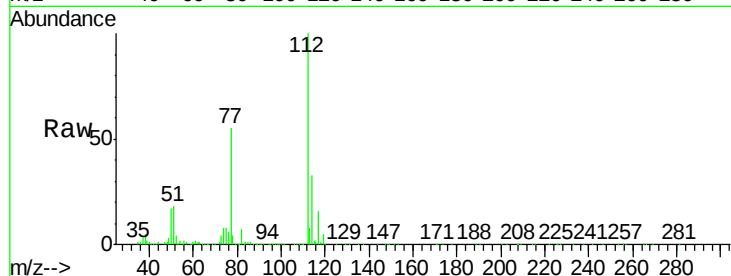
112 100

114 32.6 25.6 38.4

Manual Integrations
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#65

1,1,1,2-Tetrachloroethane

Concen: 47.68 ug/l

RT: 9.87 min Scan# 948

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

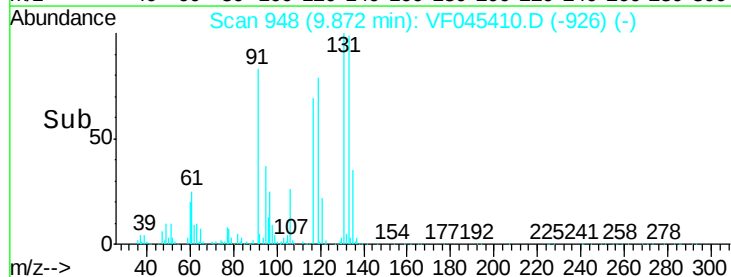
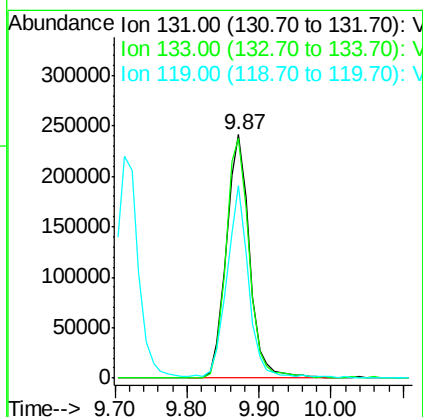
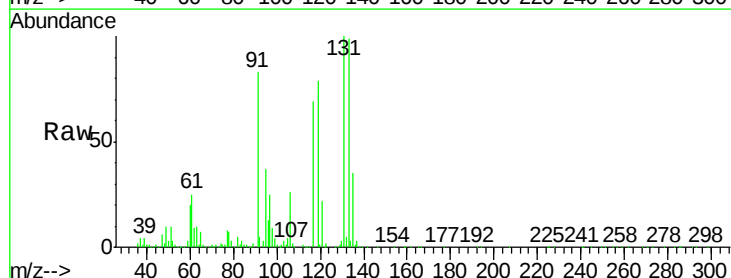
Tgt Ion:131 Resp: 542274

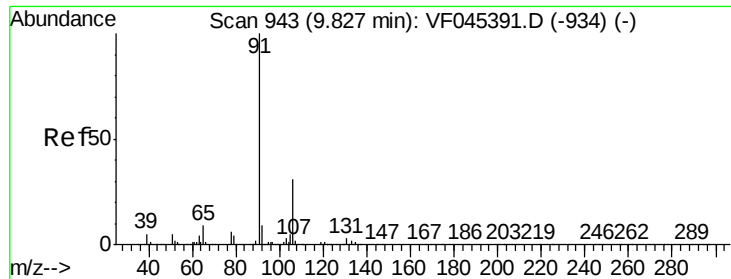
Ion Ratio Lower Upper

131 100

133 98.5 48.1 144.4

119 78.8 34.8 104.5





#66

Ethyl Benzene

Concen: 48.17 ug/l

RT: 9.84 min Scan# 945

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion: 91 Resp: 2596895

Ion Ratio Lower Upper

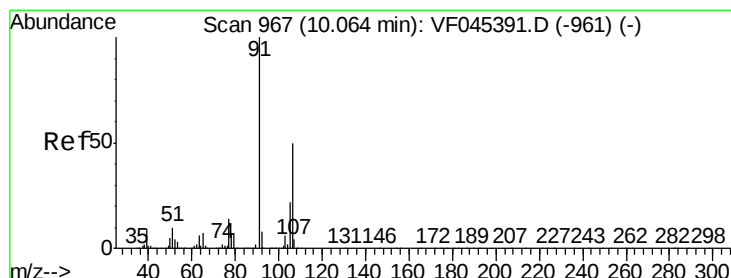
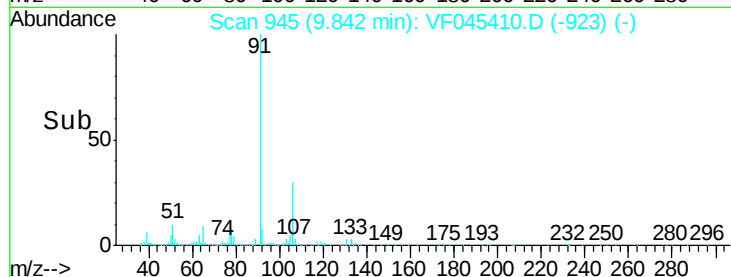
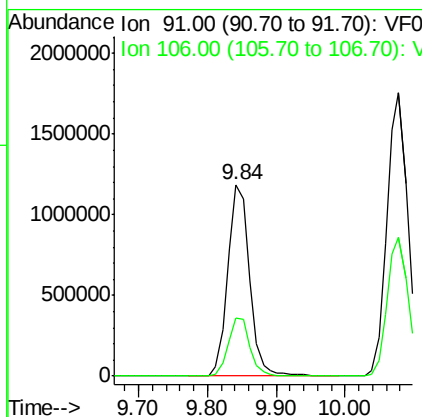
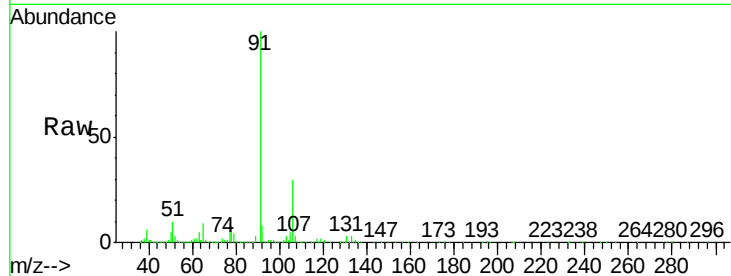
91 100

106 30.2 23.6 35.4

Manual Integrations
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#67

m/p-Xylenes

Concen: 96.36 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF045410.D

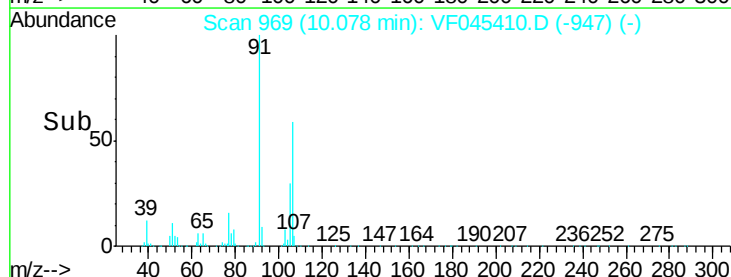
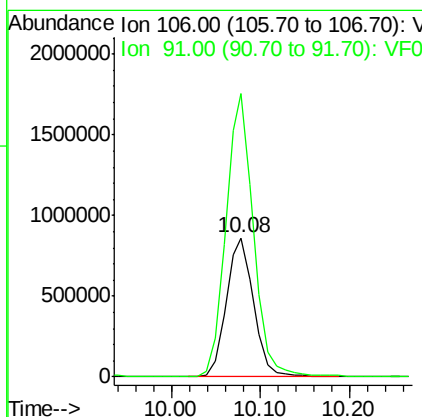
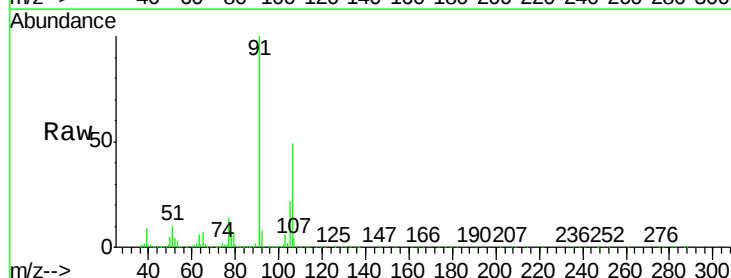
Acq: 17 Sep 2015 16:58

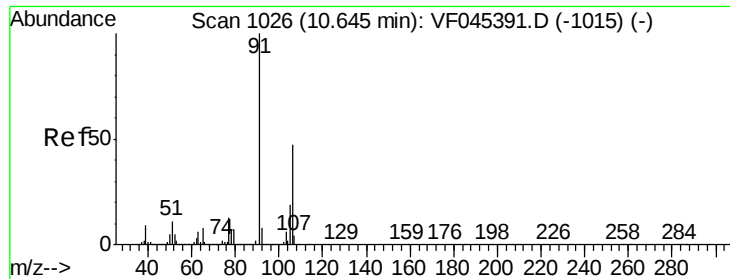
Tgt Ion: 106 Resp: 1861891

Ion Ratio Lower Upper

106 100

91 203.5 166.1 249.1





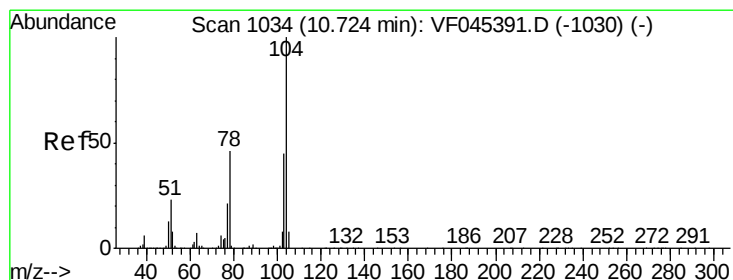
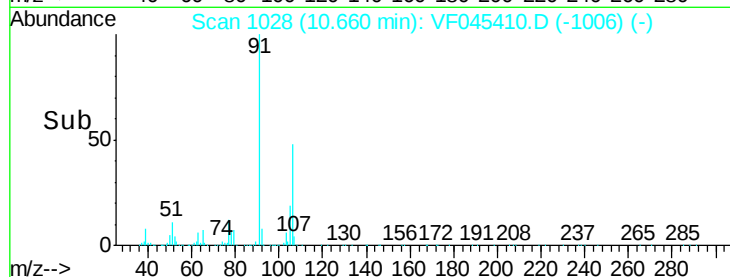
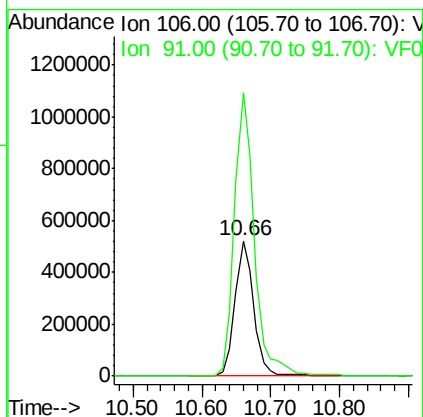
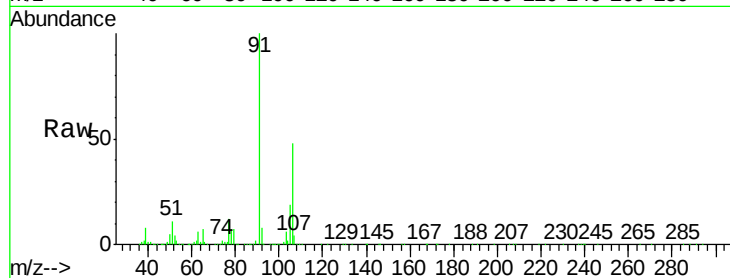
#68
o-Xylene
Concen: 49.04 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	108.1	324.2

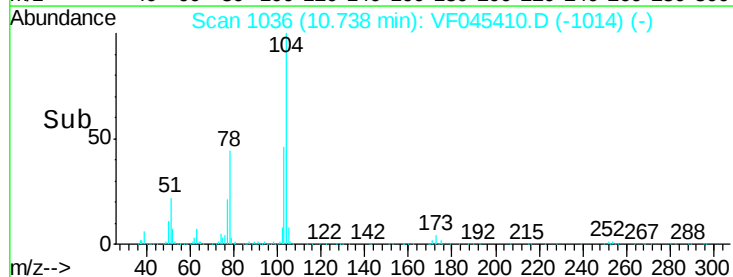
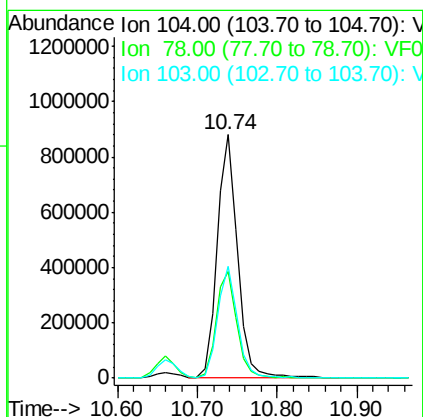
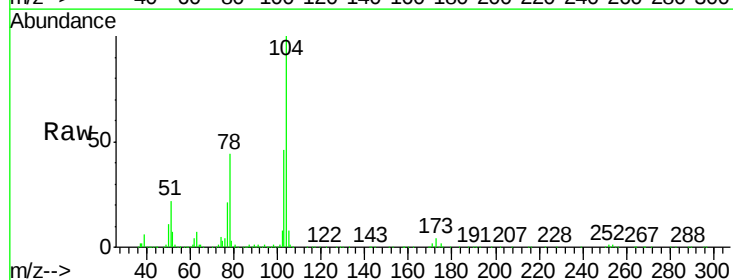
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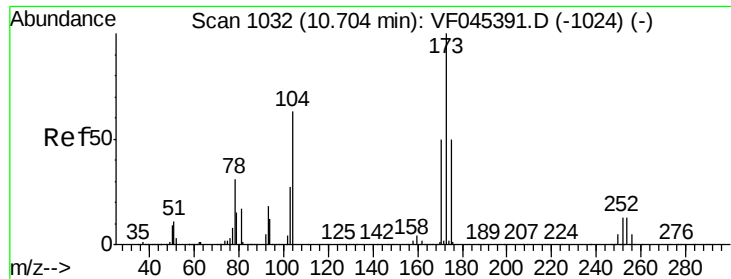
MMDadoda
9/18/2015 12:29:00 PM



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

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





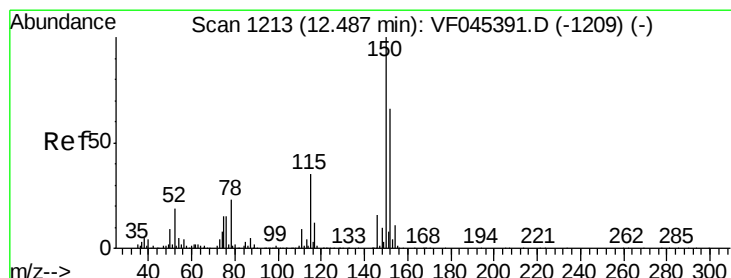
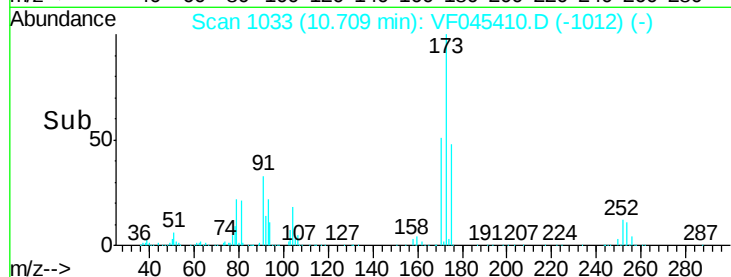
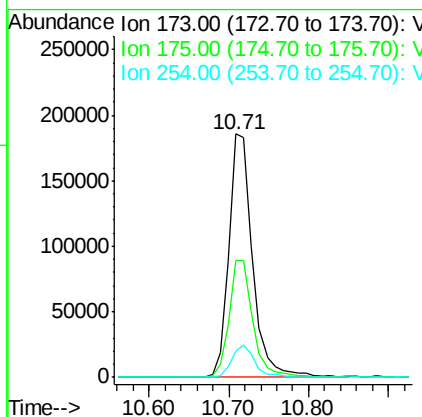
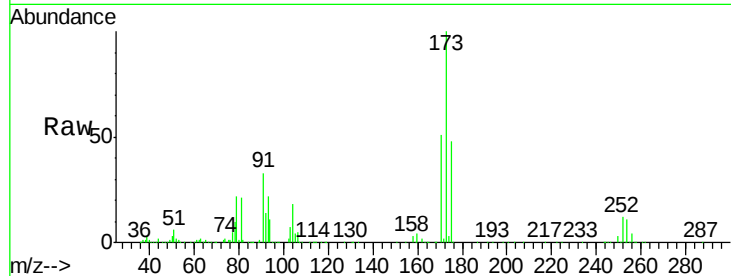
#70
Bromoform
Concen: 46.11 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion	Ratio	Resp	Lower	Upper
173	100	389156		
175	48.1	25.7	77.0	
254	10.8	9.8	14.6	

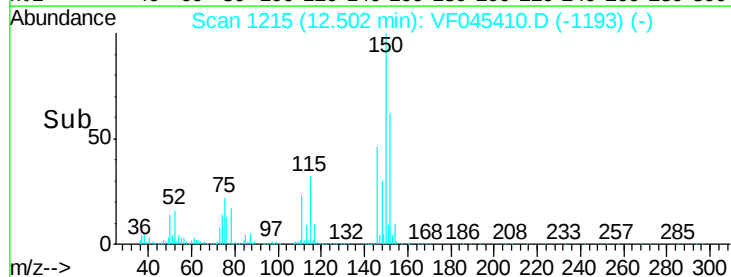
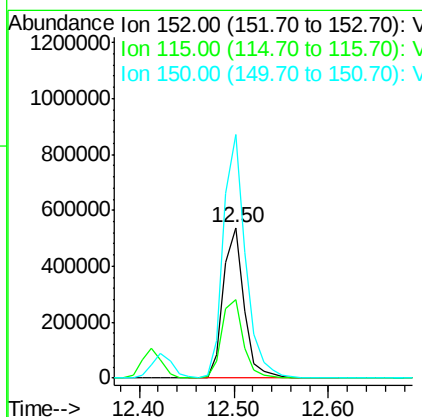
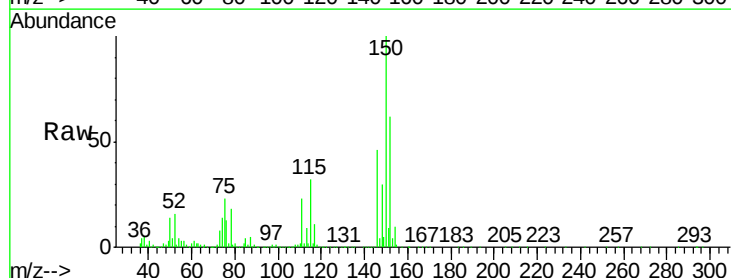
Manual Integrations
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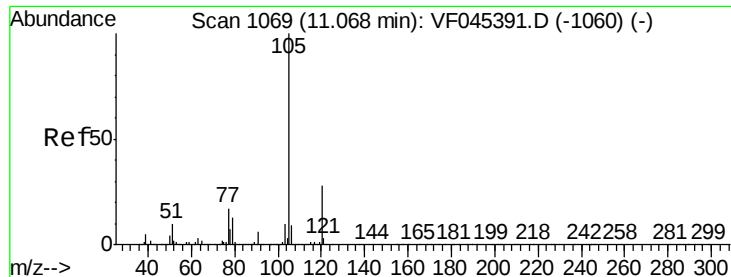
MMDadoda
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	815462		
115	52.3	28.3	85.0	
150	161.8	0.0	324.2	





#72

Isopropylbenzene

Concen: 49.48 ug/l

RT: 11.08 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:105 Resp: 2703694

Ion Ratio Lower Upper

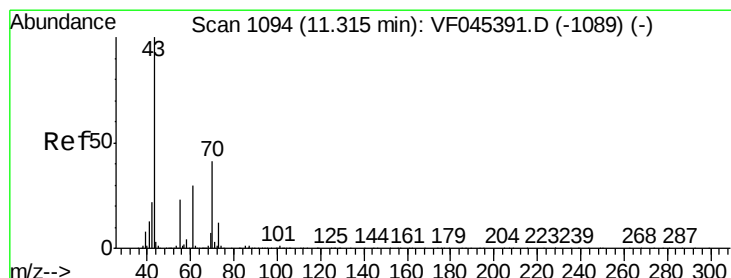
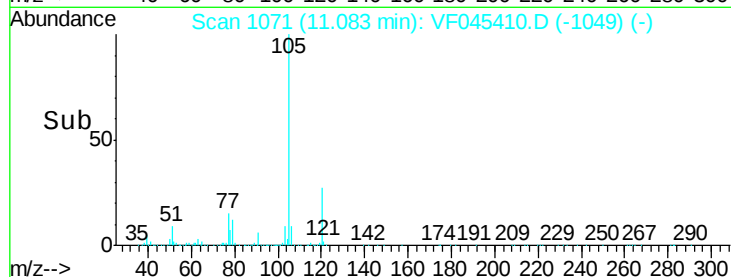
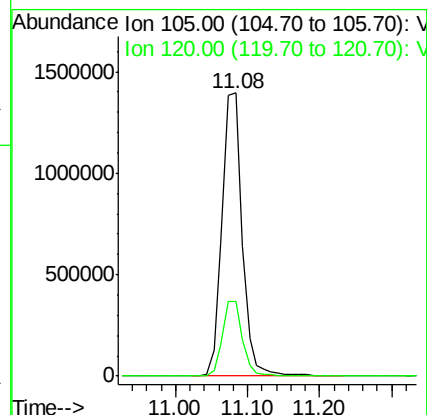
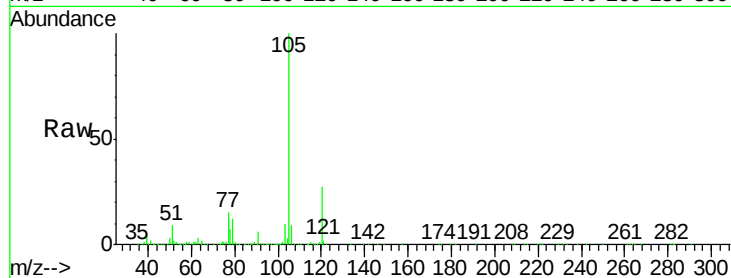
105 100

120 26.6 13.0 39.0

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#73

N-ethyl acetate

Concen: 48.47 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion: 43 Resp: 734081

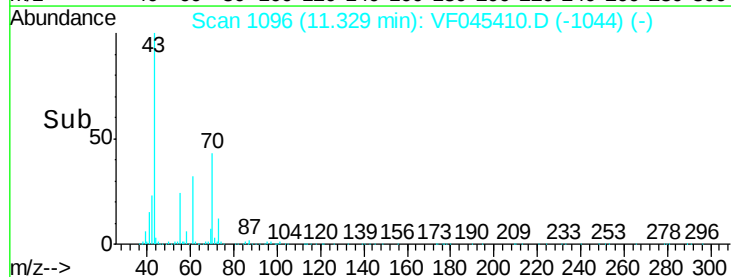
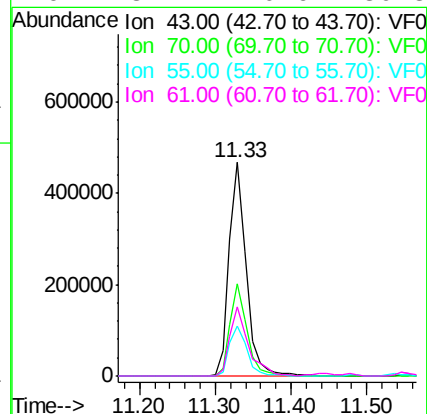
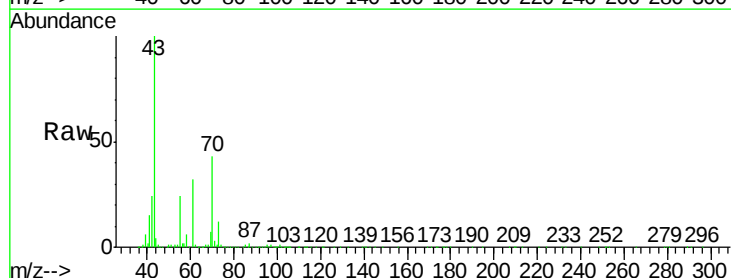
Ion Ratio Lower Upper

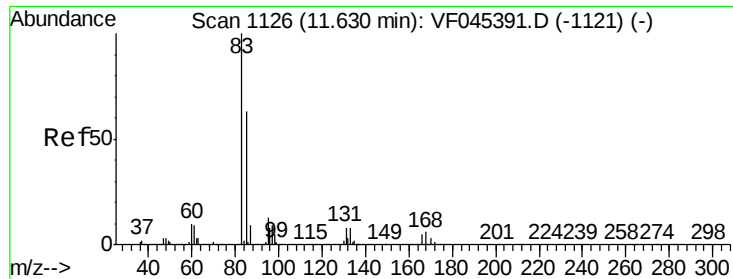
43 100

70 43.1 30.0 45.0

55 23.6 16.8 25.2

61 32.1 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 46.97 ug/l

RT: 11.64 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

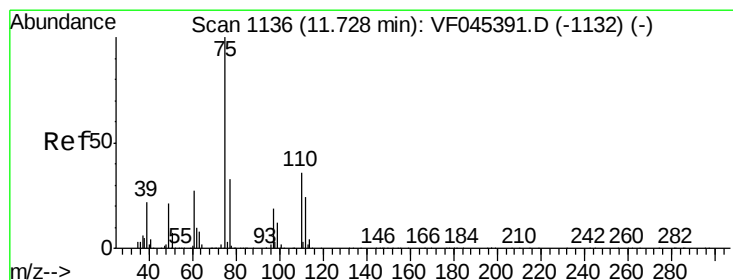
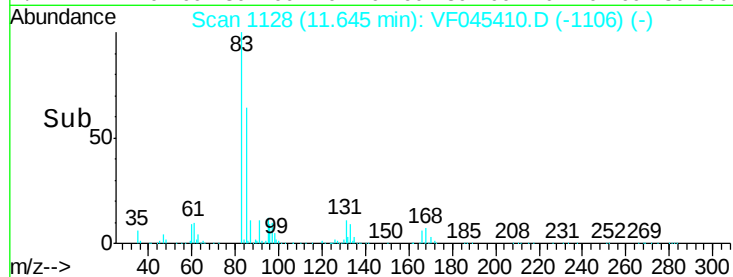
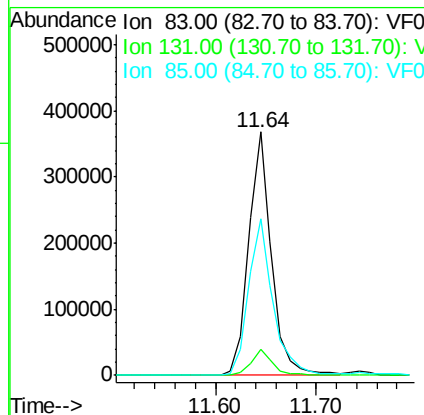
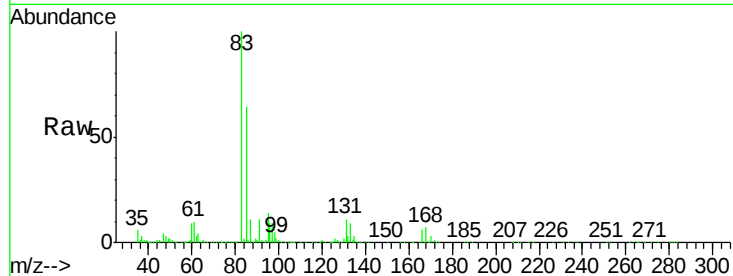
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	83	Resp:	581695
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.2	12.6
85	64.1	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 46.84 ug/l

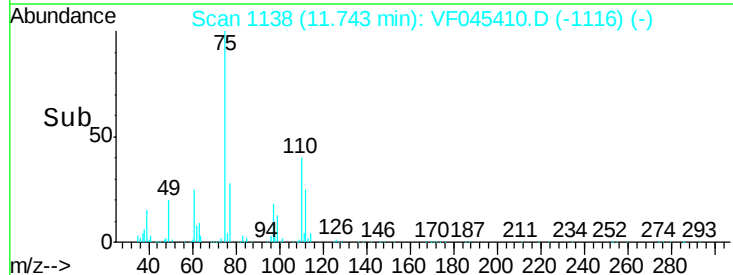
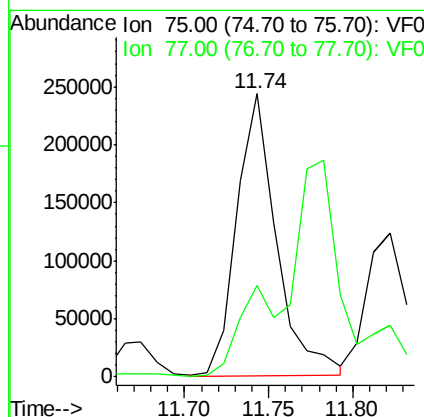
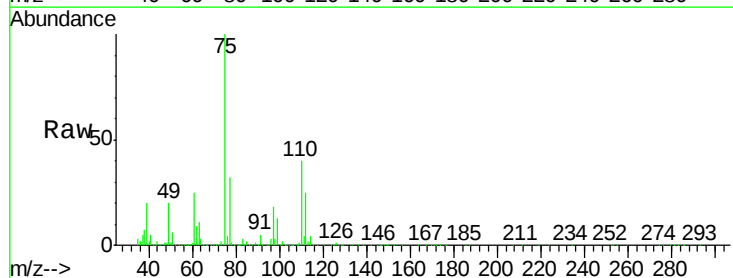
RT: 11.74 min Scan# 1138

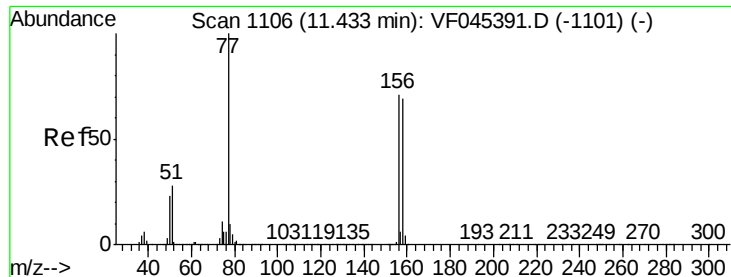
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	75	Resp:	398854
Ion Ratio	Lower	Upper	
75	100		
77	32.4	15.0	45.1





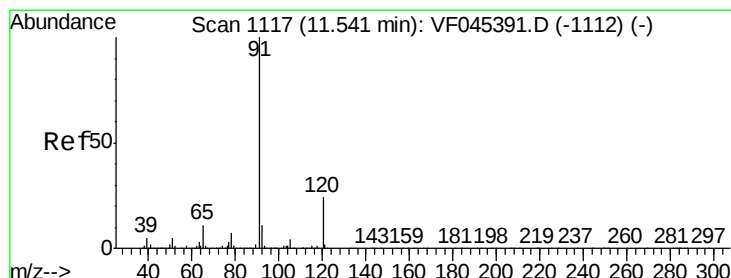
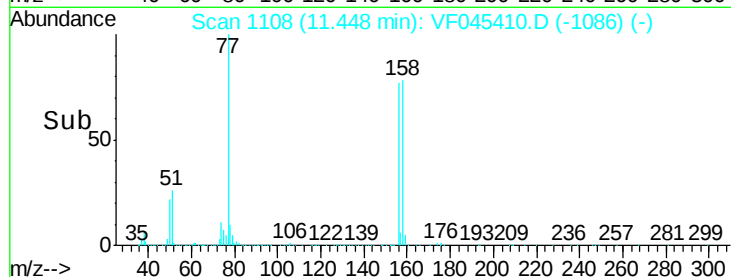
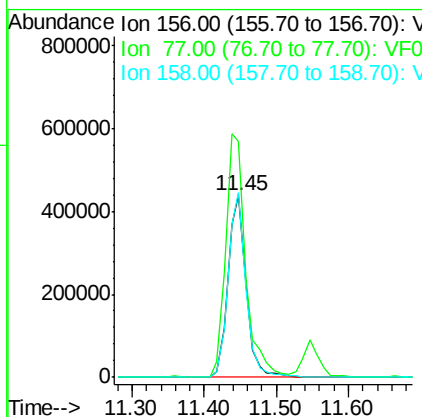
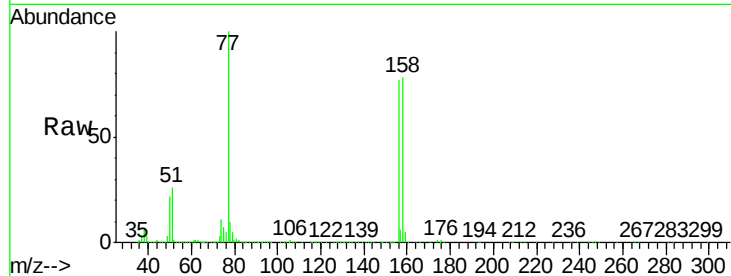
#76
Bromobenzene
Concen: 49.24 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

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

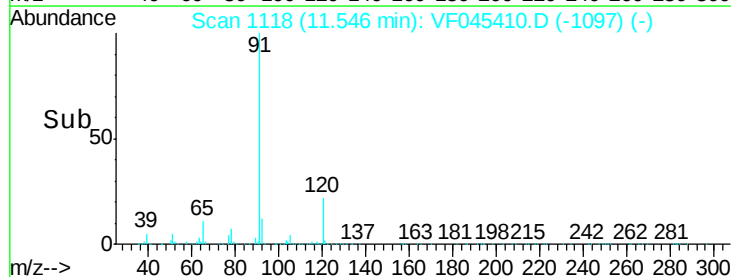
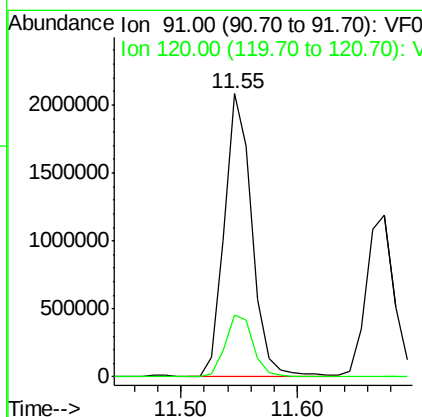
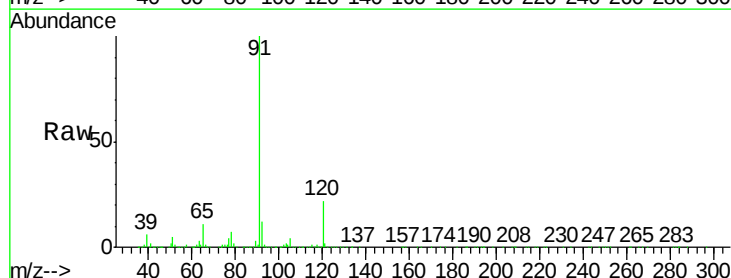
Manual Integrations
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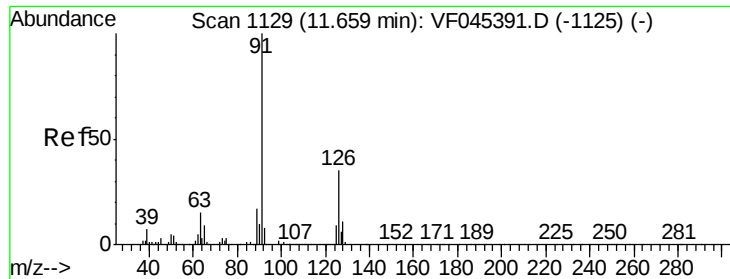
MMDadoda
9/18/2015 12:29:00 PM



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

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.6	34.7





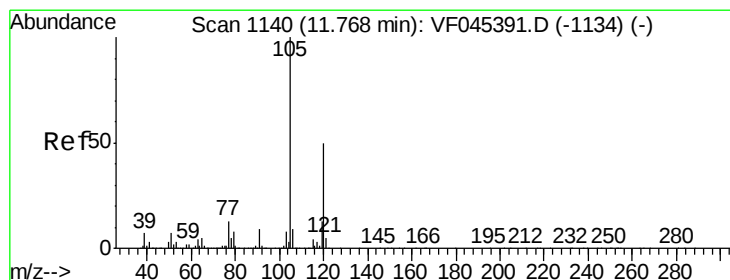
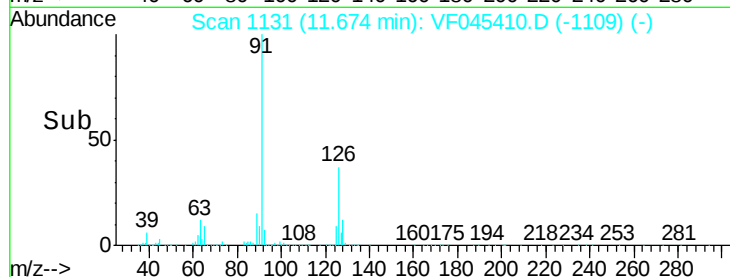
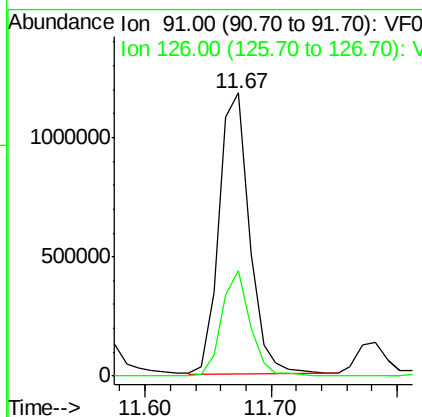
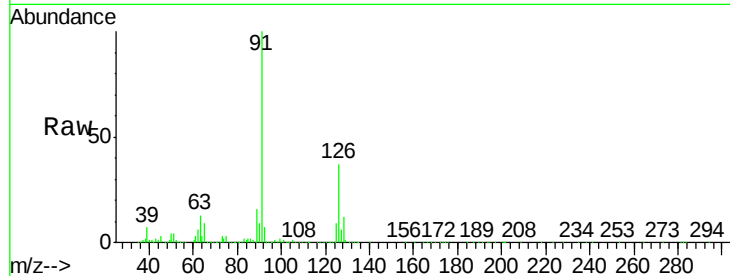
#78
 2-Chlorotoluene
 Concen: 51.76 ug/l
 RT: 11.67 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Tot Ion: 91 Resp: 1963834
 Ion Ratio Lower Upper
 91 100
 126 37.2 16.9 50.7

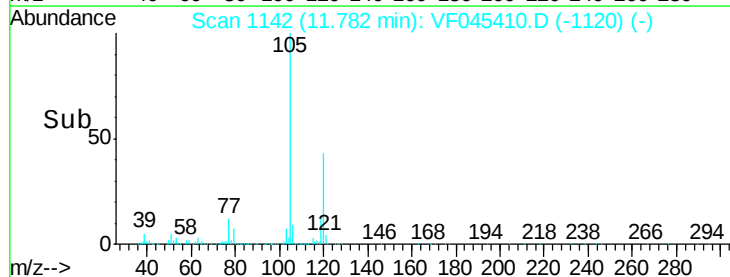
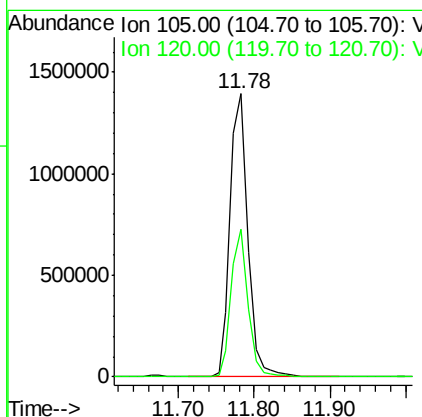
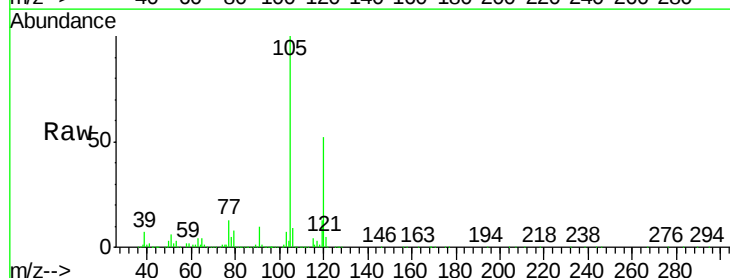
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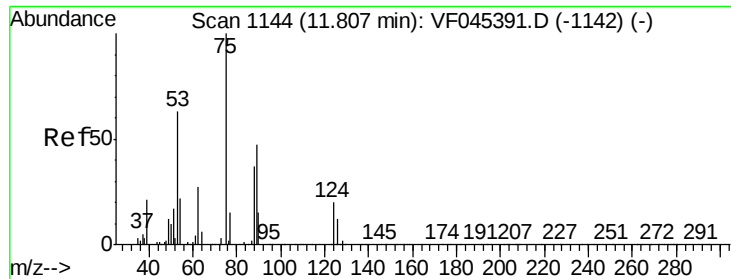
MMDadoda
 9/18/2015 12:29:00 PM



#79
 1,3,5-Trimethylbenzene
 Concen: 50.59 ug/l
 RT: 11.78 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion:105 Resp: 2252583
 Ion Ratio Lower Upper
 105 100
 120 52.1 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 53.39 ug/l m

RT: 11.82 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Instrument :

MSVOA_F

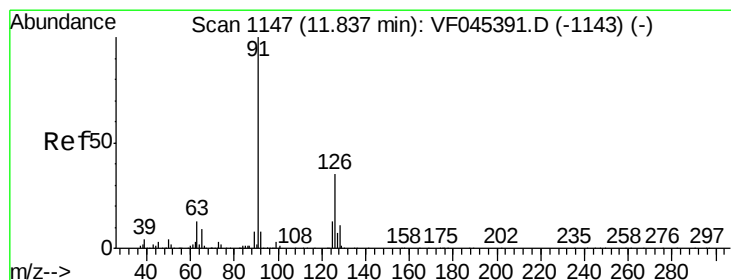
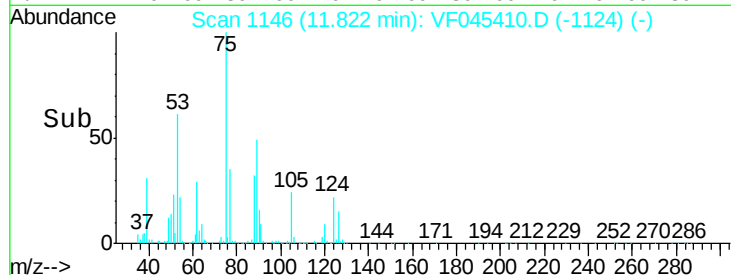
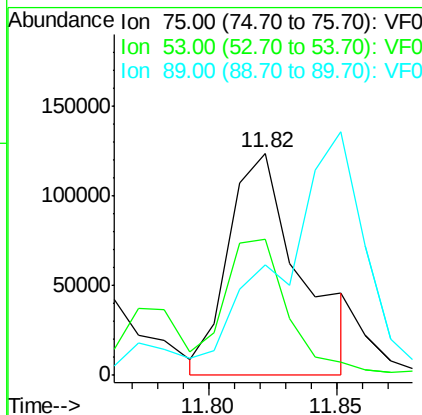
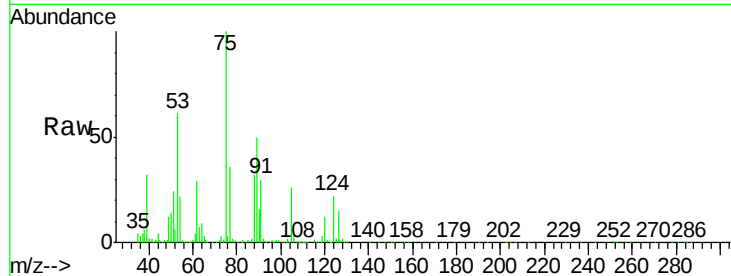
ClientSampleId :

MGP209BR-29-30MSD

Tot Ion:	75	Resp:	243523
Ion Ratio	Lower	Upper	
75	100		
53	61.1	51.0	76.6
89	49.8	38.6	57.8

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#81

4-Chlorotoluene

Concen: 50.14 ug/l

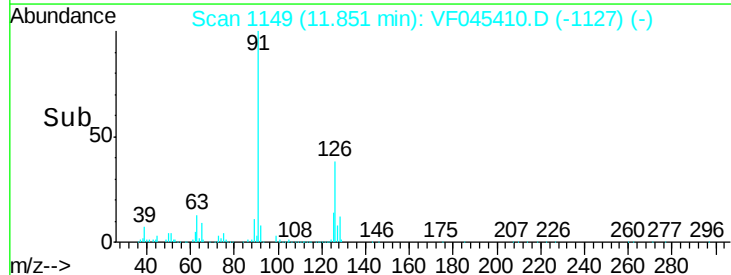
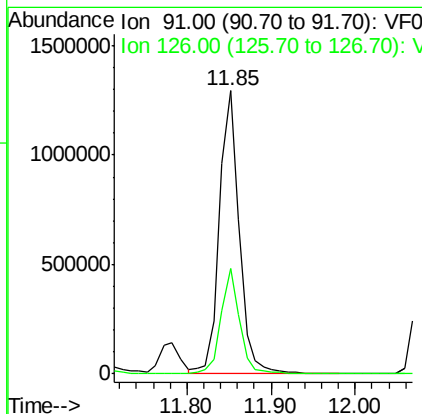
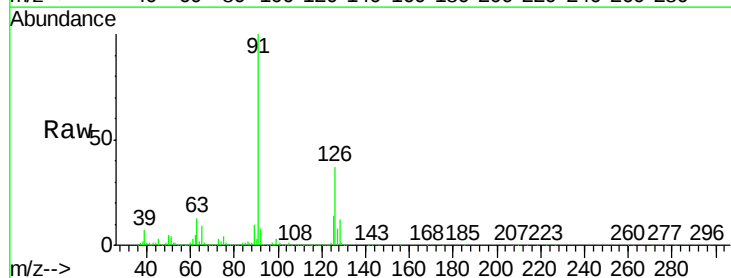
RT: 11.85 min Scan# 1149

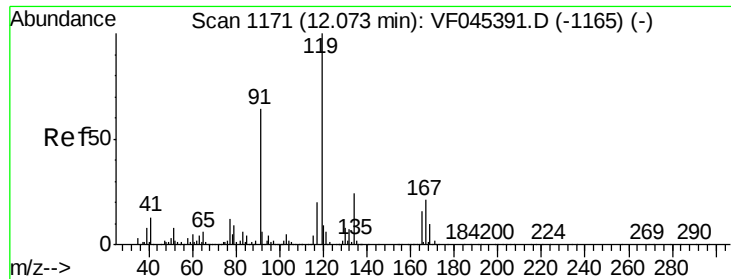
Delta R.T. 0.01 min

Lab File: VF045410.D

Acq: 17 Sep 2015 16:58

Tgt Ion:	91	Resp:	2102607
Ion Ratio	Lower	Upper	
91	100		
126	37.3	15.8	47.4





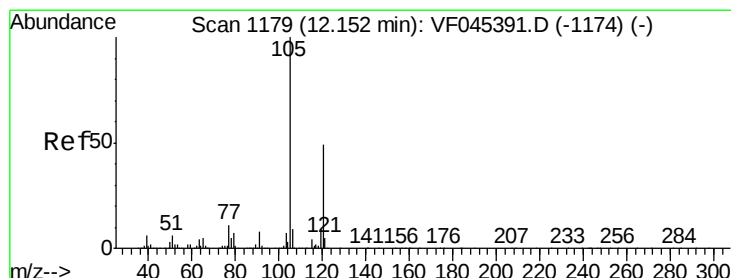
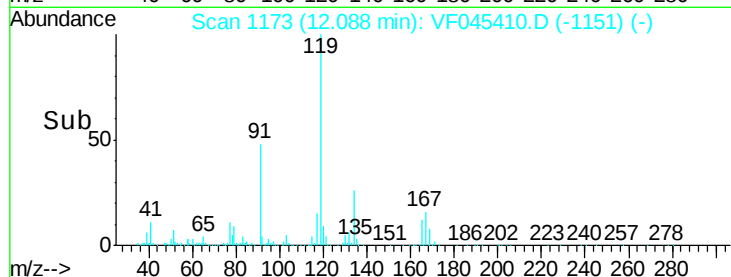
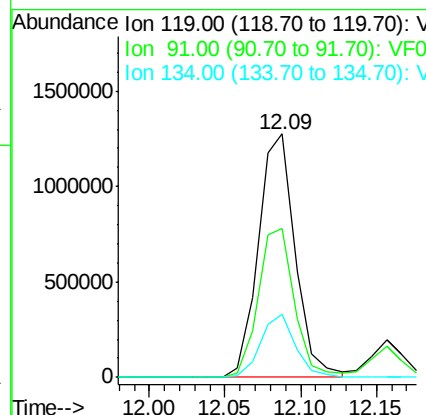
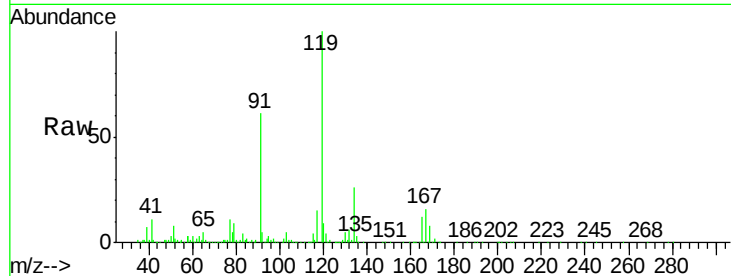
#82
 tert-Butylbenzene
 Concen: 49.30 ug/l
 RT: 12.09 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.1	93.2
134	26.0	12.2	36.6

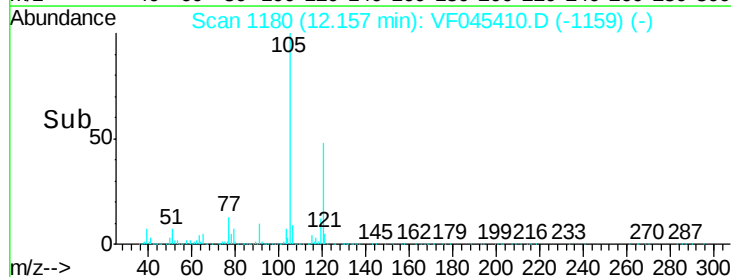
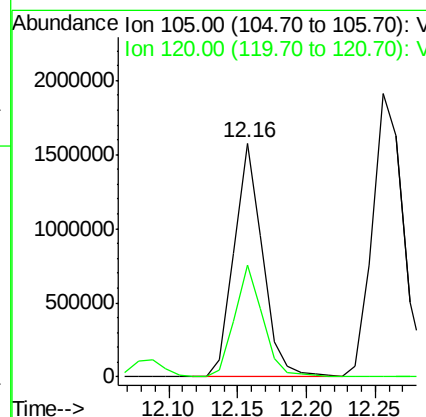
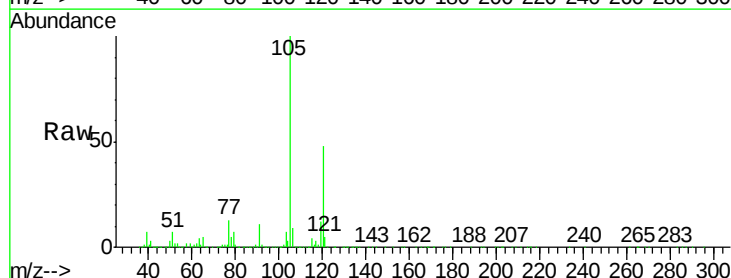
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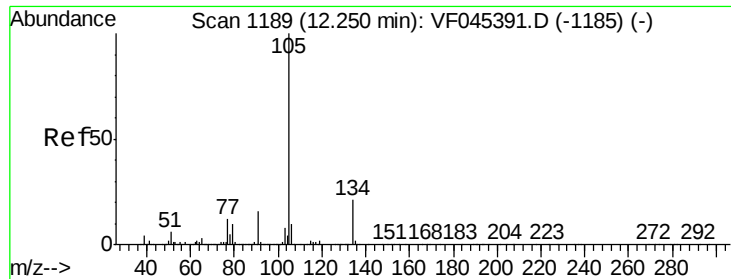
MMDadoda
 9/18/2015 12:29:00 PM



#83
 1,2,4-Trimethylbenzene
 Concen: 50.03 ug/l
 RT: 12.16 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	22.9	68.7





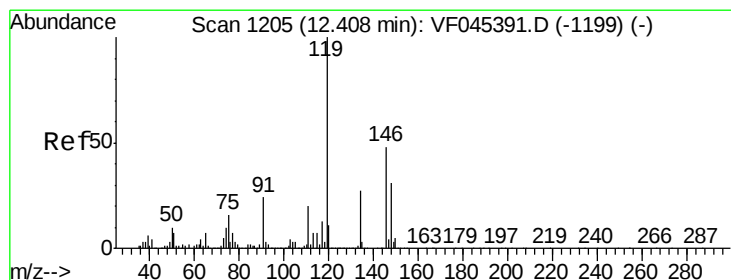
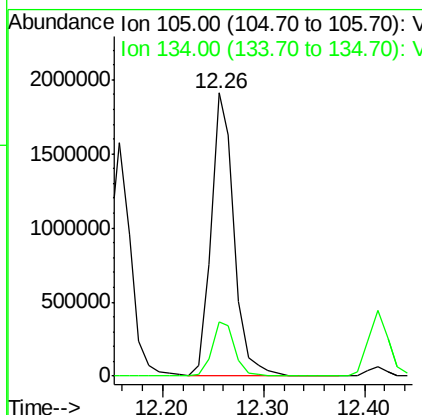
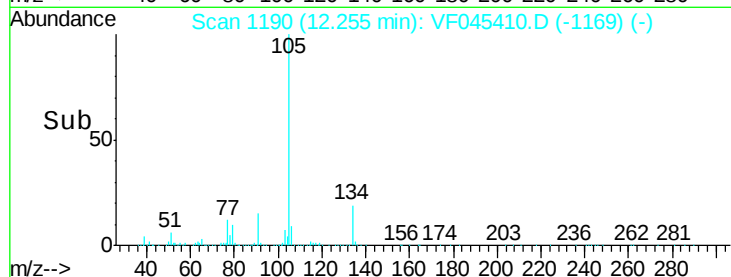
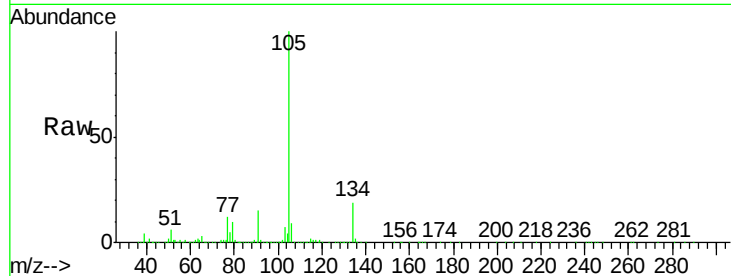
#84
 sec-Butylbenzene
 Concen: 49.37 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

Tot Ion:105 Resp: 3022288
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.5 31.6

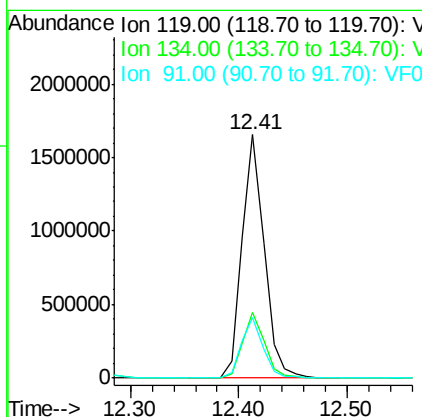
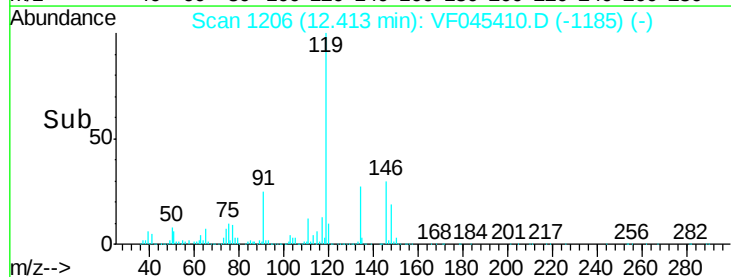
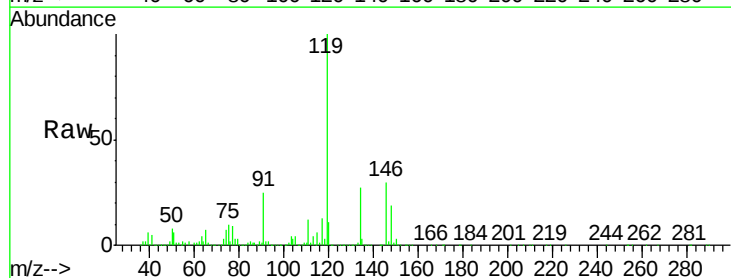
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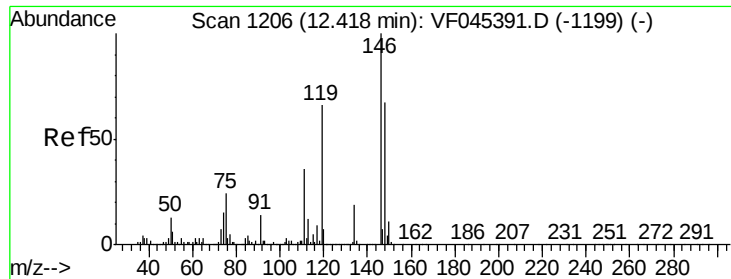
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#85
 p-Isopropyltoluene
 Concen: 49.51 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Tgt Ion:119 Resp: 2359550
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.0 38.9
 91 24.7 12.2 36.6





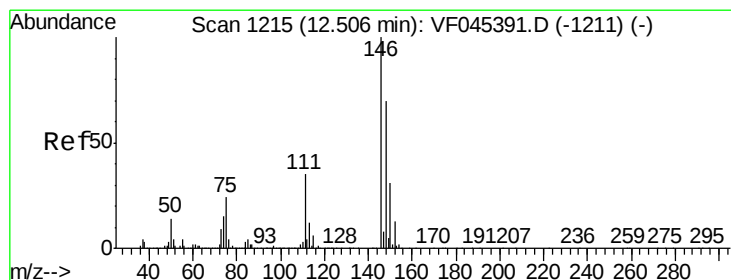
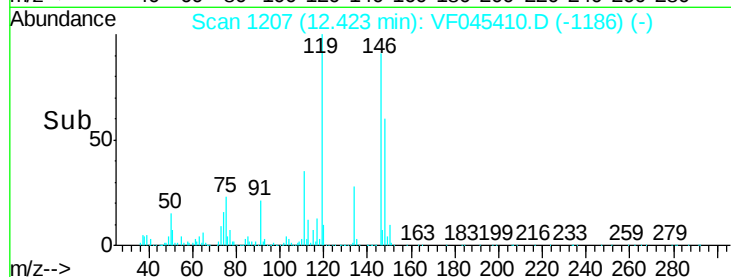
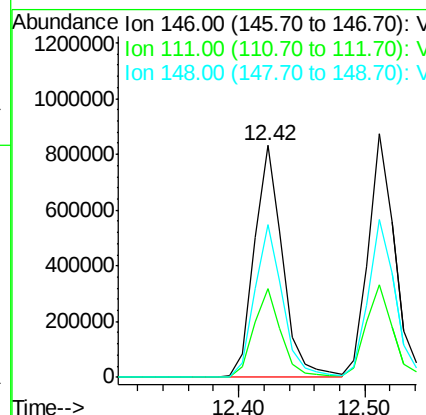
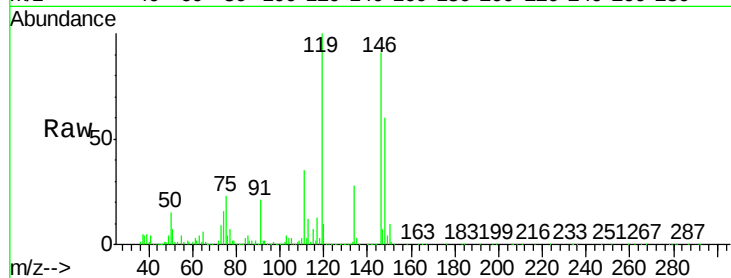
#86
 1,3-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 12.42 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

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

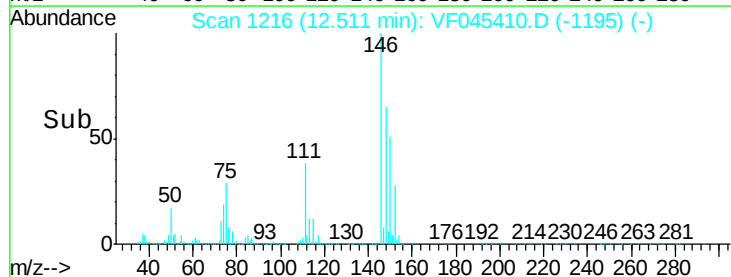
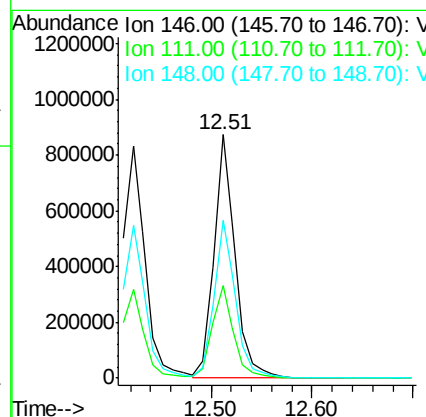
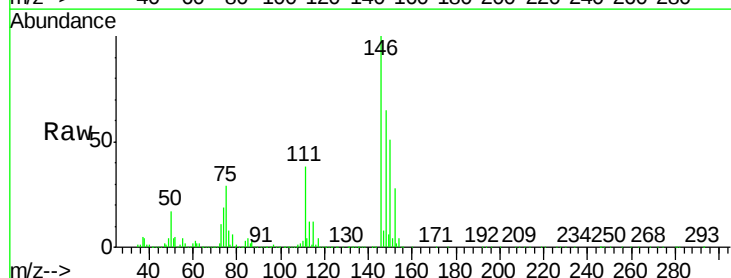
Manual Integrations
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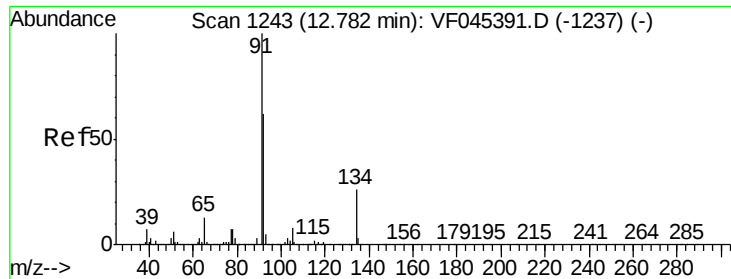
MMDadoda
 9/18/2015 12:29:00 PM



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

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





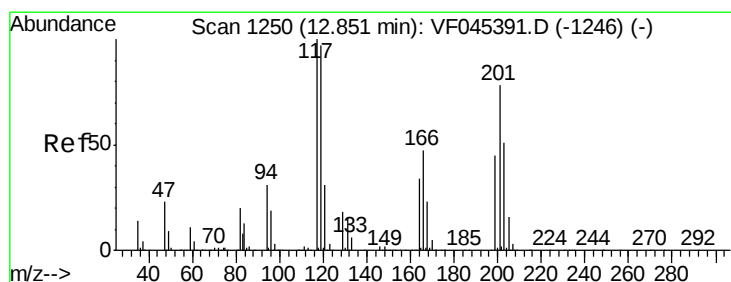
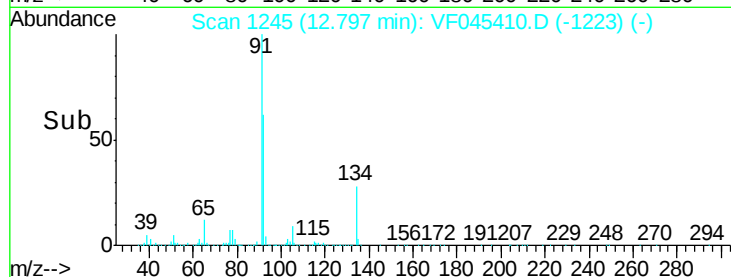
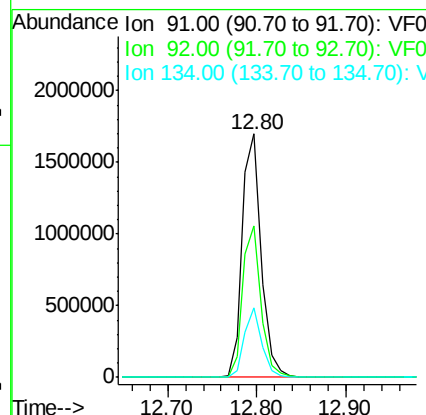
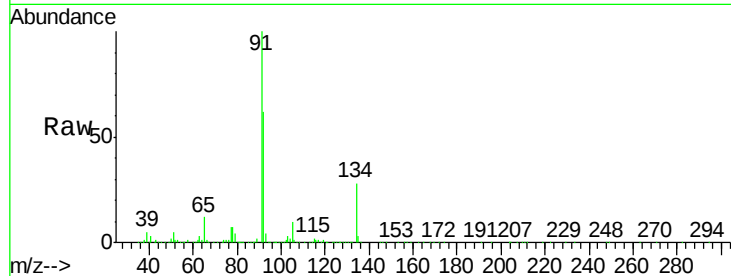
#88
n-Butylbenzene
Concen: 52.93 ug/l
RT: 12.80 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

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

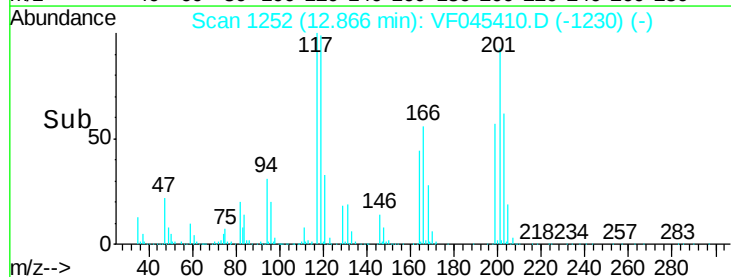
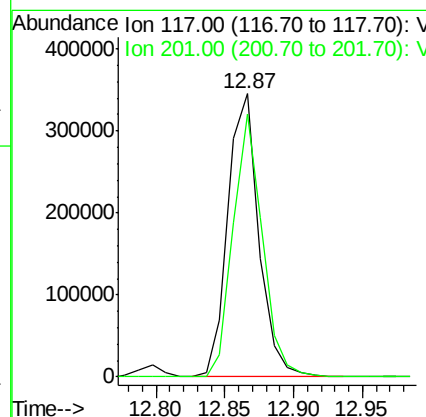
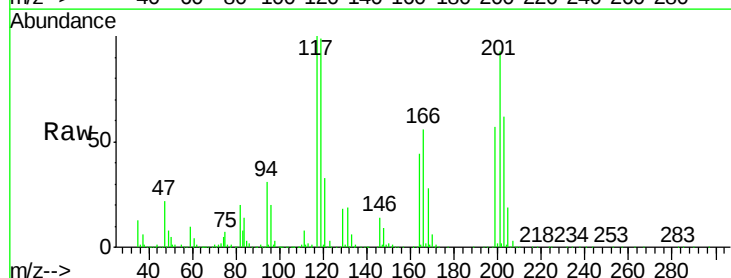
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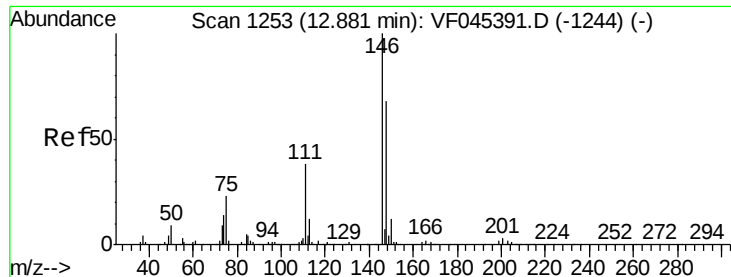
MMDadoda
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#89
Hexachloroethane
Concen: 47.69 ug/l
RT: 12.87 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	42.0	126.1





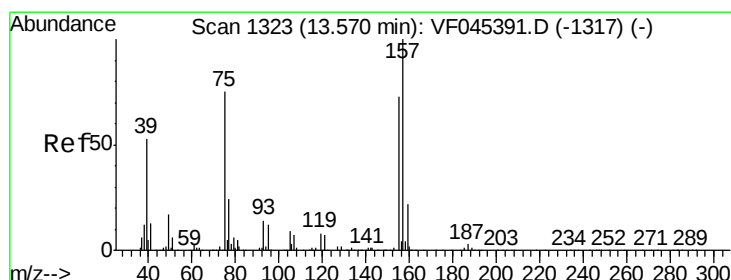
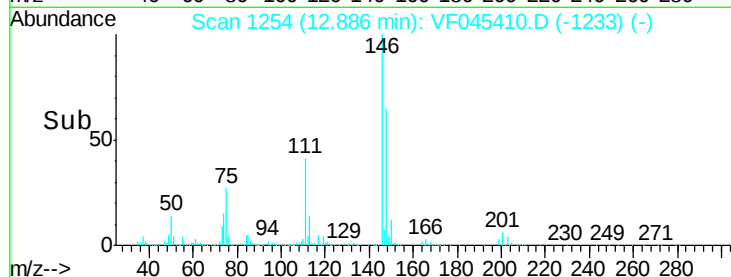
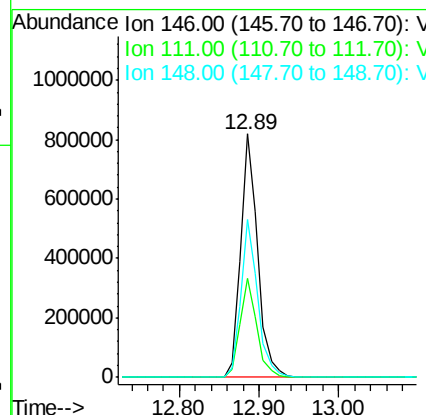
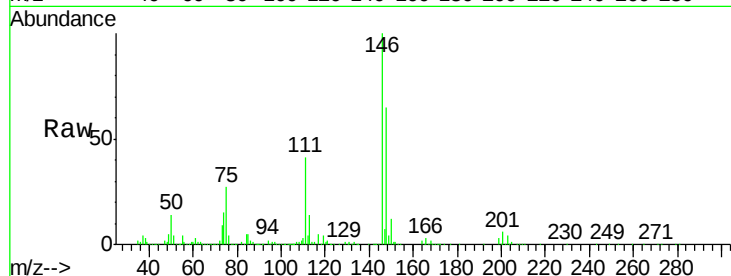
#90
 1,2-Dichlorobenzene
 Concen: 50.79 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

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

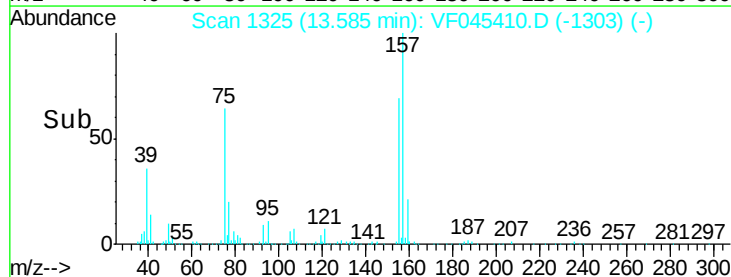
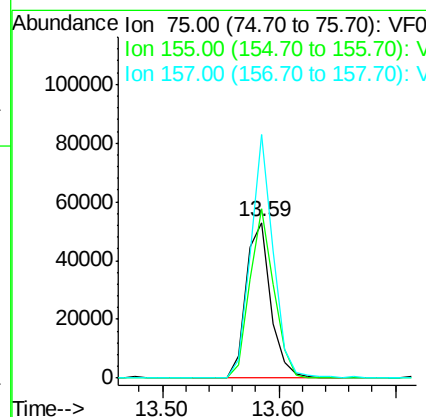
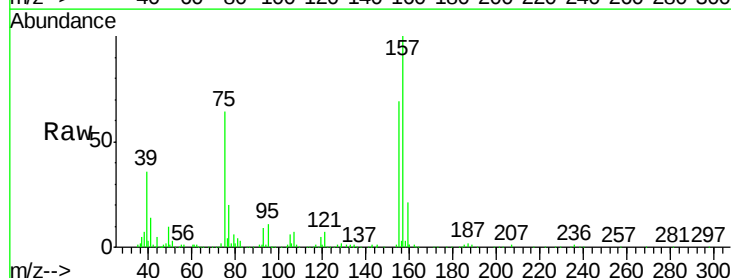
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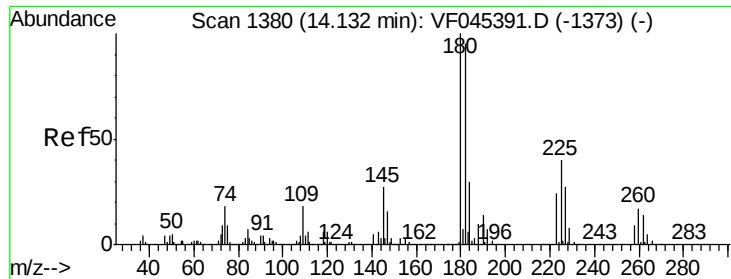
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 47.56 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

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





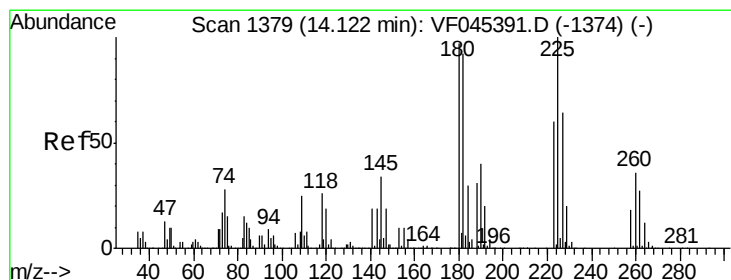
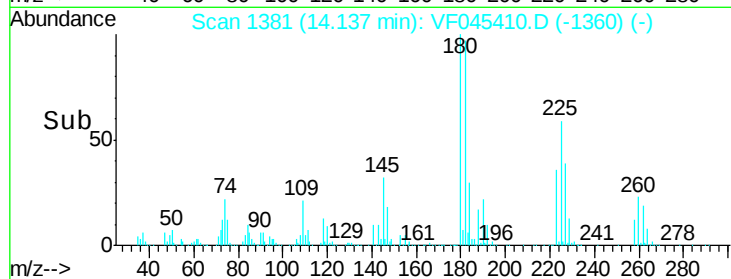
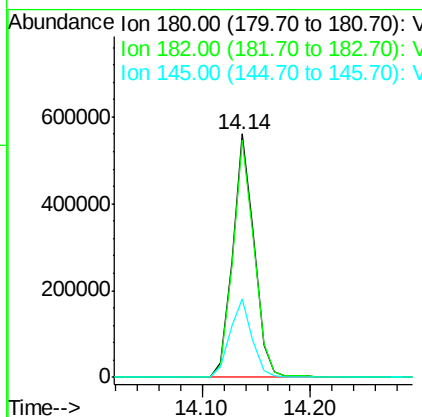
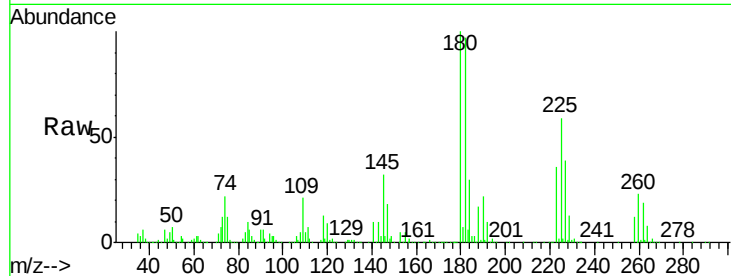
#92
 1,2,4-Trichlorobenzene
 Concen: 55.24 ug/l
 RT: 14.14 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30MSD

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

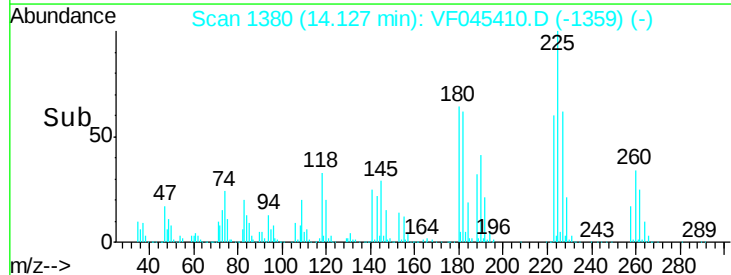
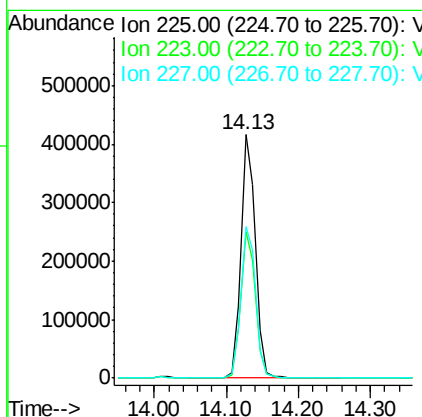
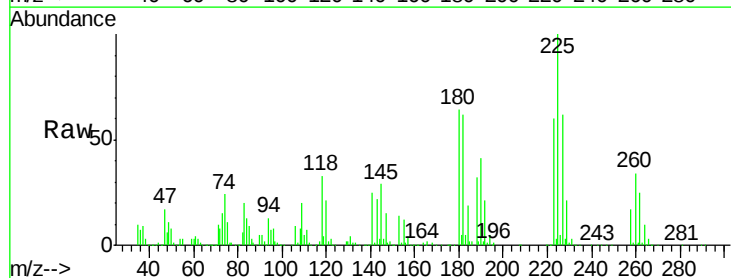
Manual Integrations
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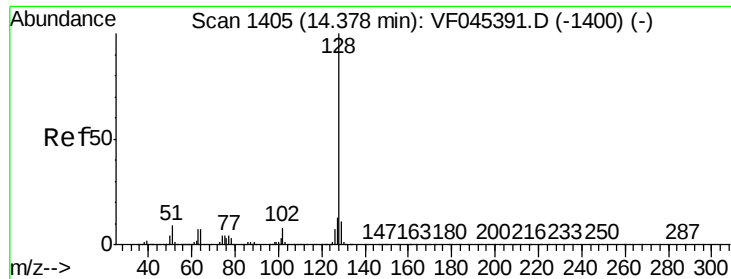
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#93
 Hexachlorobutadiene
 Concen: 54.68 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF045410.D
 Acq: 17 Sep 2015 16:58

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





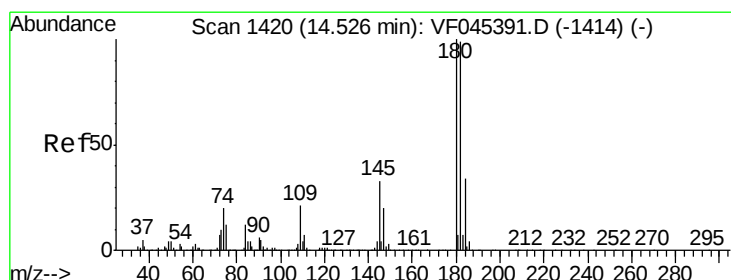
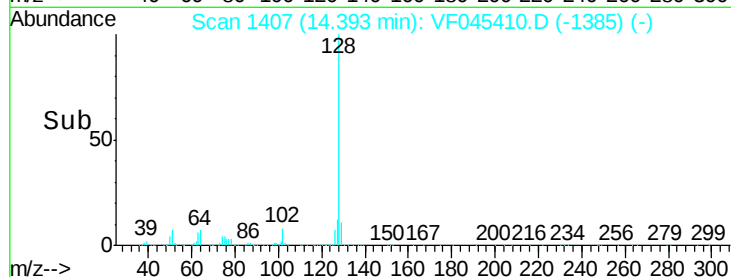
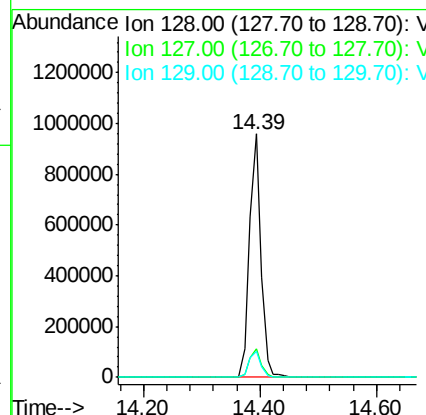
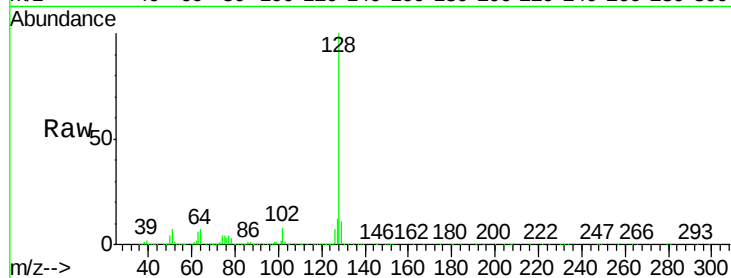
#94
Naphthalene
Concen: 49.45 ug/l
RT: 14.39 min Scan# 1407
Delta R.T. 0.02 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:29:00 PM



#95
1,2,3-Trichlorobenzene
Concen: 58.75 ug/l
RT: 14.54 min Scan# 1422
Delta R.T. 0.01 min
Lab File: VF045410.D
Acq: 17 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.6	142.8
145	29.0	14.5	43.6

