

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045389.D
 Acq On : 16 Sep 2015 13:43
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:40 PM

Quant Time: Sep 16 15:57:45 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	1136238	50.00	ug/l	-0.01
33) 1,4-Difluorobenzene	5.53	114	1709710	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.69	117	1653086	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.48	152	952605	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.76	65	134110	11.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.36%	
34) Dibromofluoromethane	4.02	113	145885	11.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.26%	
49) Toluene-d8	7.48	98	402017	10.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	20.44%	
61) 4-Bromofluorobenzene	11.34	95	202188	11.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	99362	10.77	ug/l	100
3) Chloromethane	1.02	50	87606	8.65	ug/l	95
4) Vinyl Chloride	1.09	62	76945	9.85	ug/l	99
5) Bromomethane	1.25	94	45569	11.95	ug/l	93
6) Chloroethane	1.33	64	30751	11.85	ug/l	94
7) Trichlorofluoromethane	1.44	101	156113m	12.28	ug/l	
8) Diethyl Ether	1.59	74	34778	10.85	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.76	101	89834	11.02	ug/l	96
10) Methyl Iodide	1.80	142	185300	11.58	ug/l	97
11) Tert butyl alcohol	2.49	59	6415m	47.19	ug/l	
12) 1,1-Dichloroethene	1.71	96	76019	11.17	ug/l	90
13) Acrolein	1.95	56	28716	40.46	ug/l	92
14) Allyl chloride	2.05	41	111541	8.78	ug/l	95
15) Acrylonitrile	2.87	53	69301	42.04	ug/l	85
16) Acetone	2.18	43	143024	48.76	ug/l	97
17) Carbon Disulfide	1.73	76	262035	11.60	ug/l	98
18) Methyl Acetate	2.29	43	114218	8.49	ug/l	100
19) Methyl tert-butyl Ether	2.38	73	54053	10.16	ug/l #	81
20) Methylene Chloride	2.13	84	108559	14.12	ug/l	83
21) trans-1,2-Dichloroethene	2.26	96	86697	10.99	ug/l	93
22) Diisopropyl ether	2.74	45	235669	8.48	ug/l	99
23) Vinyl Acetate	3.12	43	358701	42.29	ug/l	97
24) 1,1-Dichloroethane	2.81	63	161894	9.78	ug/l	98
25) 2-Butanone	4.25	43	201604	40.08	ug/l	90
26) 2,2-Dichloropropane	3.53	77	155574	10.81	ug/l	93
27) cis-1,2-Dichloroethene	3.40	96	139076	11.16	ug/l	94
28) Bromochloromethane	3.64	49	62703	7.24	ug/l #	92
29) Chloroform	3.77	83	237541	10.82	ug/l	95
30) Cyclohexane	3.62	56	154234	8.91	ug/l	97
31) 1,1,1-Trichloroethane	4.02	97	204181	12.00	ug/l	94
35) 1,1-Dichloropropene	4.20	75	171441	10.53	ug/l	95
36) Ethyl Acetate	4.03	43	88019	9.01	ug/l #	78
37) Carbon Tetrachloride	3.91	117	185848	13.29	ug/l	84
38) Methylcyclohexane	5.38	83	191170	10.87	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.55	78	417508	10.23	ug/l	97
40) Methacrylonitrile	4.65	41	39450	8.52	ug/l #	81
41) 1,2-Dichloroethane	4.86	62	158718	11.58	ug/l	93
42) Isopropyl Acetate	6.90	43	116695	8.83	ug/l #	96
43) Trichloroethene	5.43	130	139171	11.87	ug/l	94
44) 1,2-Dichloropropane	6.17	63	116607	9.49	ug/l	93
45) Dibromomethane	6.01	93	80402	10.52	ug/l	91
46) Bromodichloromethane	6.31	83	187380	11.58	ug/l	95
47) Methyl methacrylate	6.65	41	67545	8.76	ug/l #	85
48) 1,4-Dioxane	6.63	88	16701	212.90	ug/l #	70
50) 4-Methyl-2-Pentanone	8.19	43	428299	44.99	ug/l	97
51) Toluene	7.55	92	336609	12.04	ug/l	100
52) t-1,3-Dichloropropene	8.21	75	164881	10.62	ug/l	95
53) cis-1,3-Dichloropropene	7.22	75	198474	10.47	ug/l	97
54) 1,1,2-Trichloroethane	8.41	97	105005	10.84	ug/l	89
55) Ethyl methacrylate	8.55	69	135720	10.05	ug/l	97
56) 1,3-Dichloropropane	8.77	76	174669	10.41	ug/l	96
58) 2-Hexanone	9.42	43	349392	46.29	ug/l	98
59) Dibromochloromethane	8.63	129	155486	12.72	ug/l	98
60) 1,2-Dibromoethane	8.90	107	116402	10.67	ug/l	87
63) Tetrachloroethene	8.08	164	151082	13.35	ug/l	96
64) Chlorobenzene	9.71	112	377373	11.12	ug/l	98
65) 1,1,1,2-Tetrachloroethane	9.84	131	133094	11.41	ug/l	95
66) Ethyl Benzene	9.82	91	683798	11.34	ug/l	98
67) m/p-Xylenes	10.05	106	490444	23.47	ug/l	100
68) o-Xylene	10.64	106	241180	11.02	ug/l	94
69) Styrene	10.72	104	393089	11.20	ug/l	98
70) Bromoform	10.70	173	94659	11.47	ug/l	93
72) Isopropylbenzene	11.06	105	707022	10.14	ug/l	96
73) N-amyl acetate	11.31	43	177531	7.37	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	11.63	83	156843	9.37	ug/l	98
75) 1,2,3-Trichloropropane	11.72	75	115757	9.61	ug/l	92
76) Bromobenzene	11.43	156	205176	11.43	ug/l	92
77) n-propylbenzene	11.54	91	925629	10.35	ug/l	99
78) 2-Chlorotoluene	11.65	91	499342	10.06	ug/l	96
79) 1,3,5-Trimethylbenzene	11.76	105	593324	10.63	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.80	75	50333m	8.56	ug/l	
81) 4-Chlorotoluene	11.83	91	537908	10.11	ug/l	99
82) tert-Butylbenzene	12.07	119	582622	10.80	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	573688	10.17	ug/l	97
84) sec-Butylbenzene	12.25	105	813051	10.95	ug/l	95
85) p-Isopropyltoluene	12.40	119	674058	12.04	ug/l	94
86) 1,3-Dichlorobenzene	12.40	146	367900	12.26	ug/l	99
87) 1,4-Dichlorobenzene	12.50	146	346470	11.57	ug/l	98
88) n-Butylbenzene	12.78	91	624760	10.48	ug/l	96
89) Hexachloroethane	12.85	117	146585	11.85	ug/l	78
90) 1,2-Dichlorobenzene	12.88	146	313037	11.46	ug/l	93
91) 1,2-Dibromo-3-Chloropropan	13.57	75	19924	10.08	ug/l	87
92) 1,2,4-Trichlorobenzene	14.13	180	182261	12.34	ug/l	96
93) Hexachlorobutadiene	14.12	225	133607	11.77	ug/l	96

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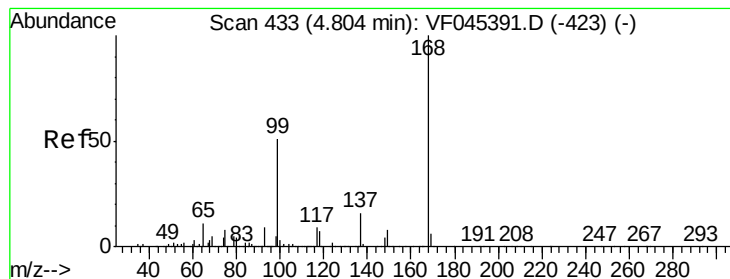
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	276255	10.60	ug/l	99
95) 1,2,3-Trichlorobenzene	14.52	180	135035	11.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 1136238

Ion Ratio Lower Upper

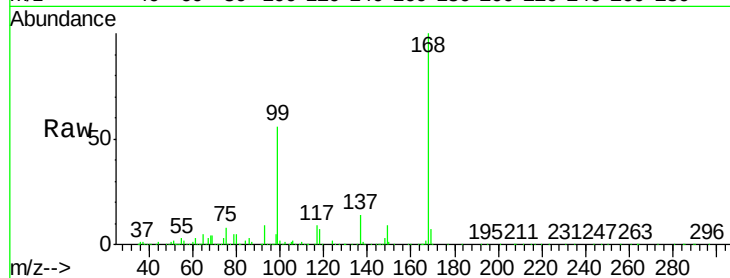
168 100

99 55.8 39.0 58.4

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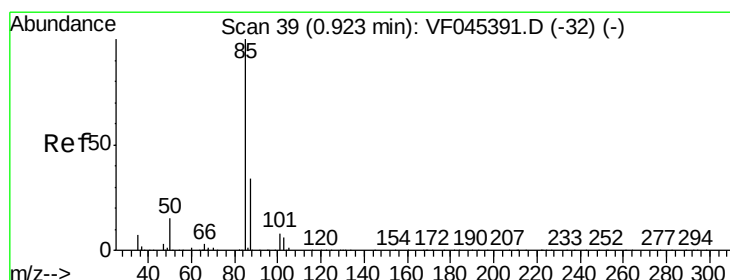
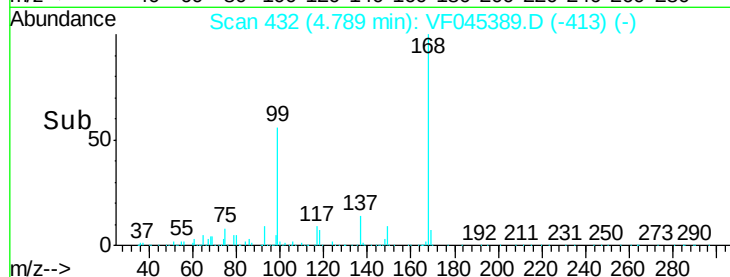
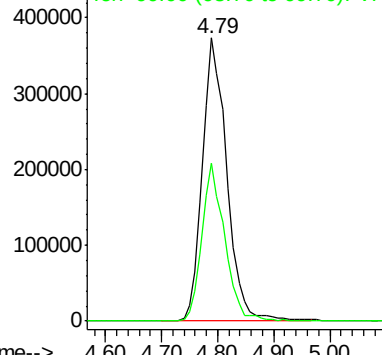
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 10.77 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045389.D

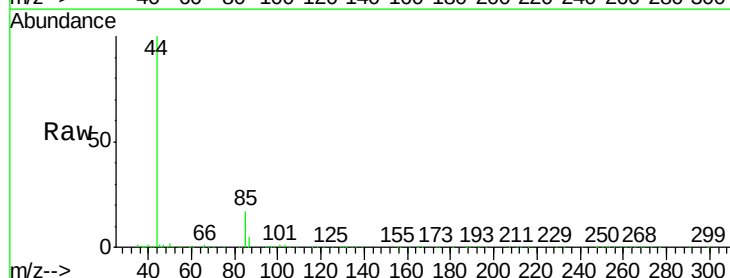
Acq: 16 Sep 2015 13:43

Tgt Ion: 85 Resp: 99362

Ion Ratio Lower Upper

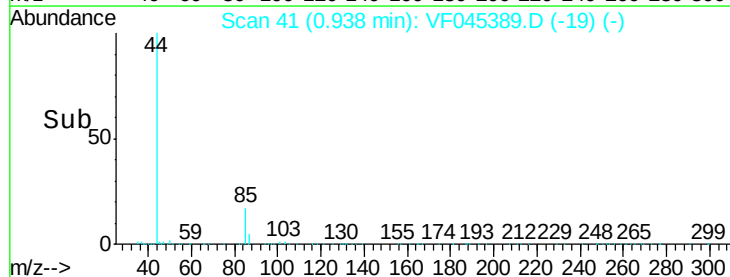
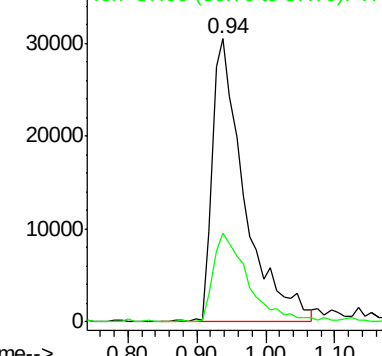
85 100

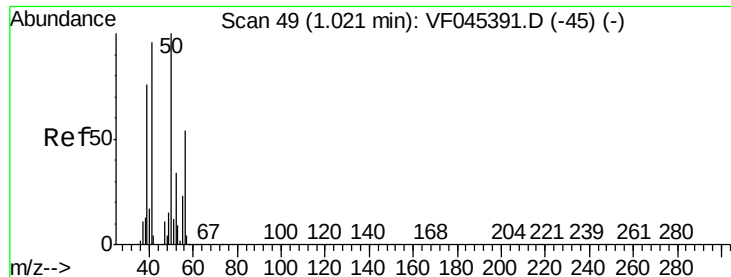
87 31.2 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 8.65 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 87606

Ion Ratio Lower Upper

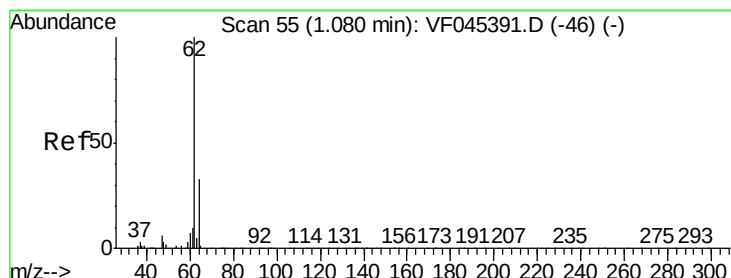
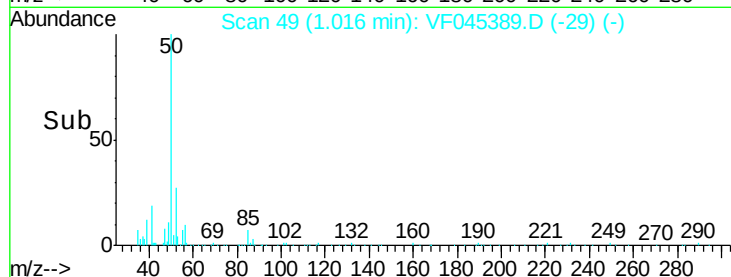
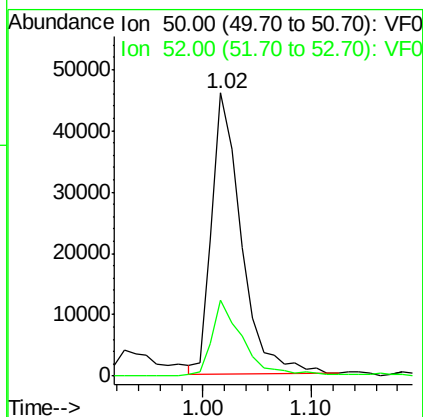
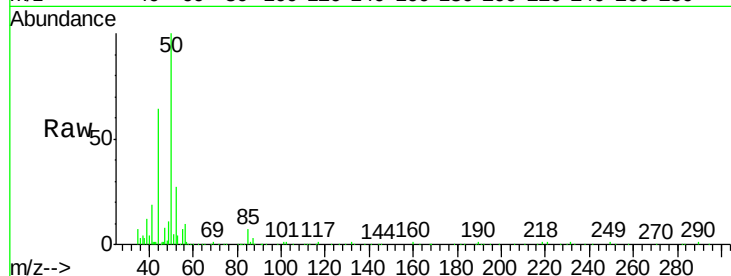
50 100

52 27.0 23.8 35.8

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#4

Vinyl Chloride

Concen: 9.85 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF045389.D

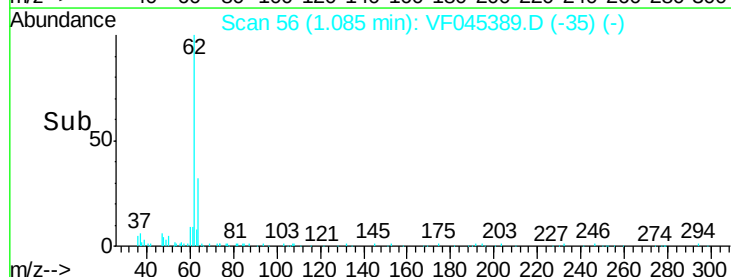
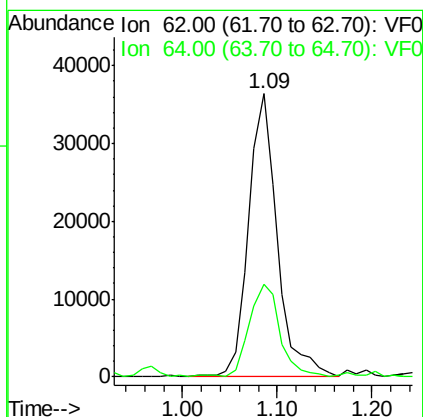
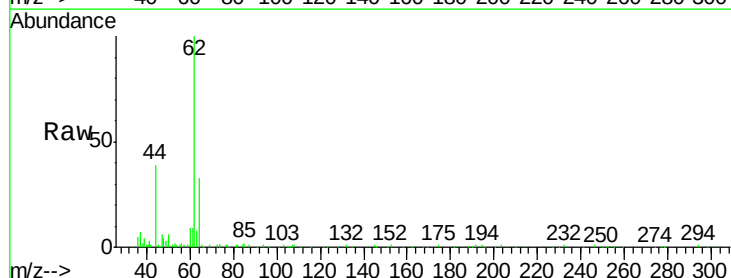
Acq: 16 Sep 2015 13:43

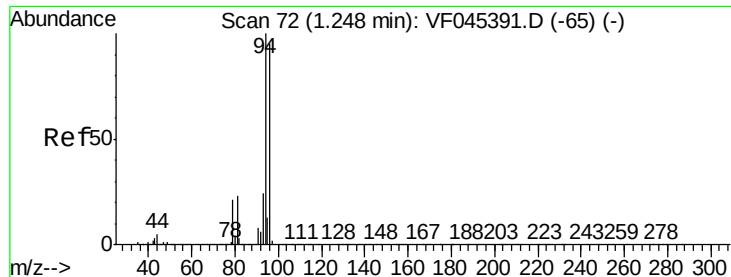
Tgt Ion: 62 Resp: 76945

Ion Ratio Lower Upper

62 100

64 32.6 26.6 39.8





#5

Bromomethane

Concen: 11.95 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 45569

Ion Ratio Lower Upper

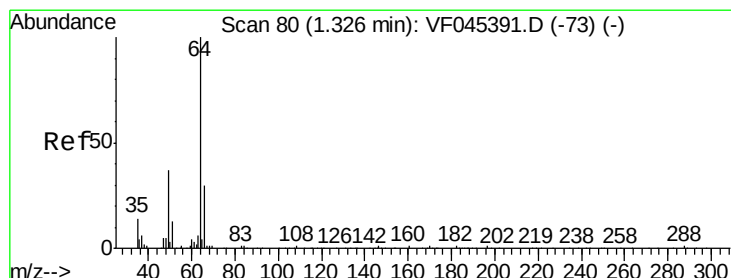
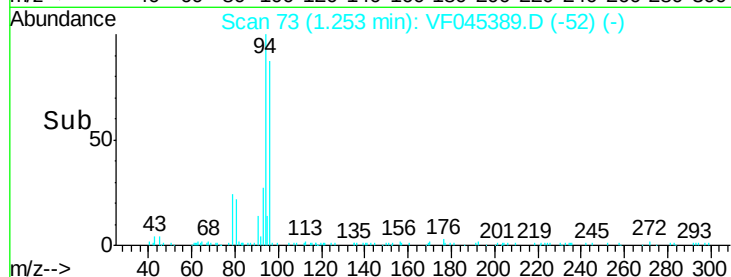
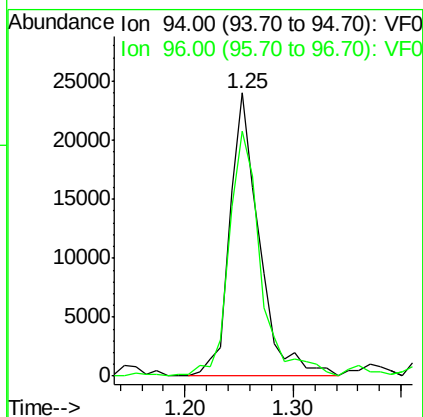
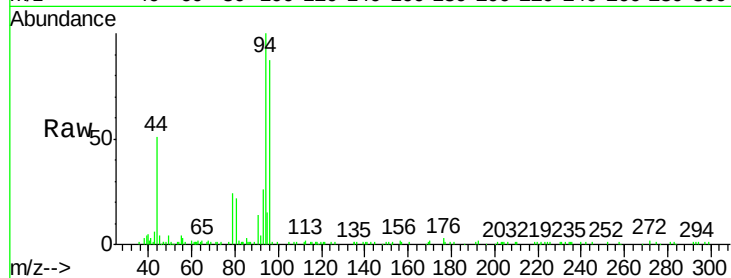
94 100

96 86.6 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 11.85 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045389.D

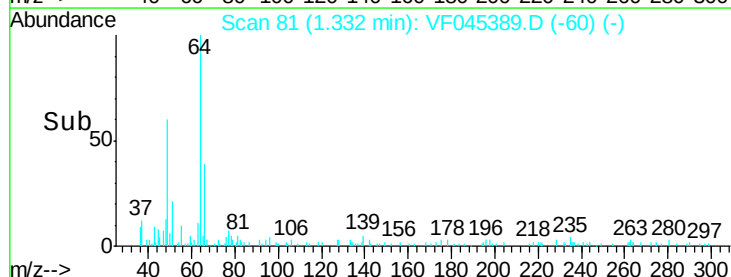
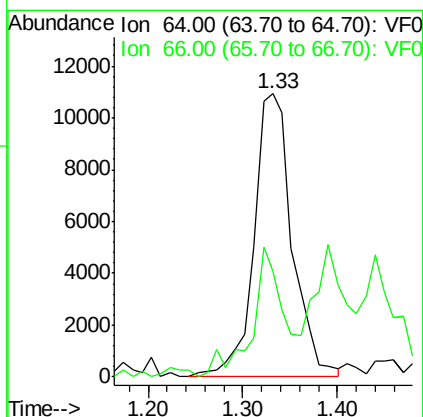
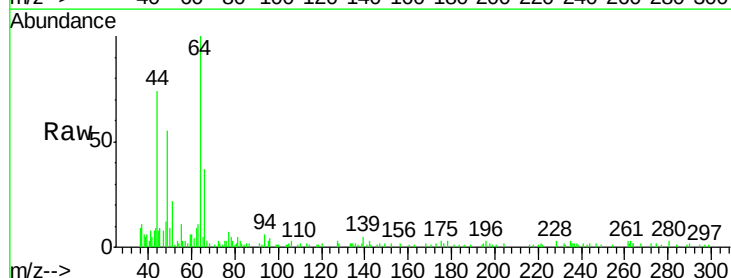
Acq: 16 Sep 2015 13:43

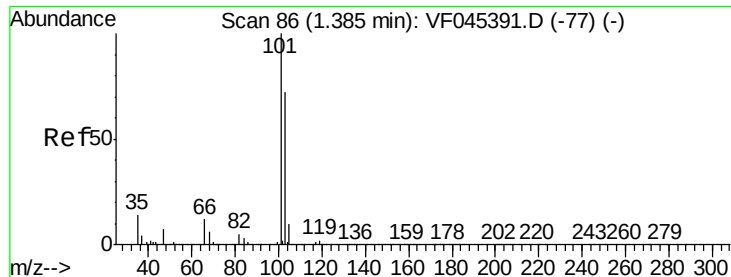
Tgt Ion: 64 Resp: 30751

Ion Ratio Lower Upper

64 100

66 37.5 27.3 40.9





#7

Trichlorofluoromethane

Concen: 12.28 ug/l m

RT: 1.44 min Scan# 92

Delta R.T. 0.05 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

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Tot Ion:101 Resp: 156113

Ion Ratio Lower Upper

101 100

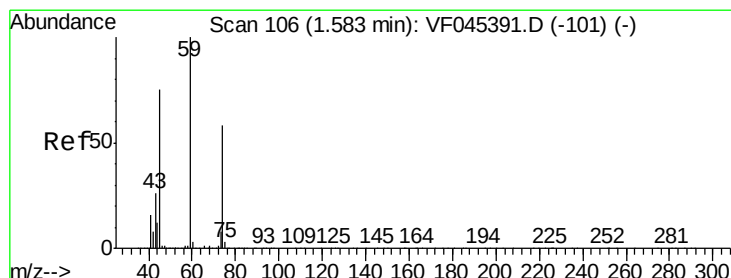
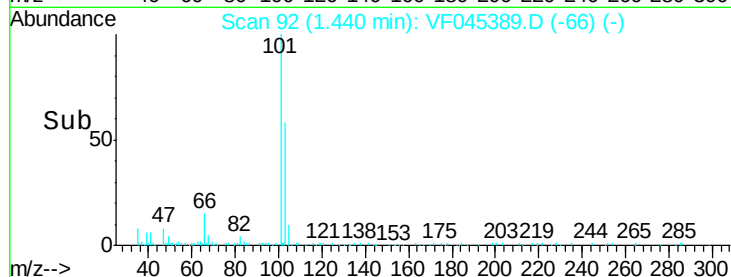
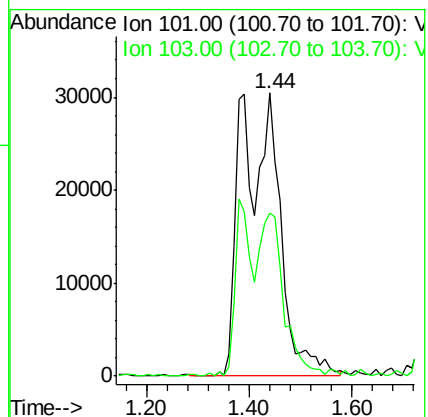
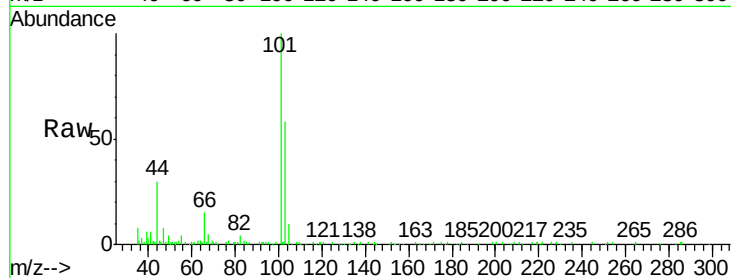
103 57.7 50.8 76.2

Manual Integrations

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#8

Diethyl Ether

Concen: 10.85 ug/l

RT: 1.59 min Scan# 107

Delta R.T. 0.01 min

Lab File: VF045389.D

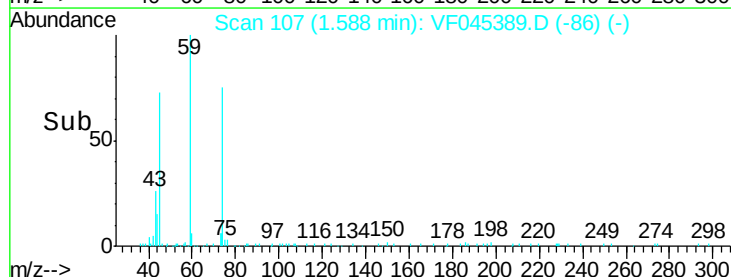
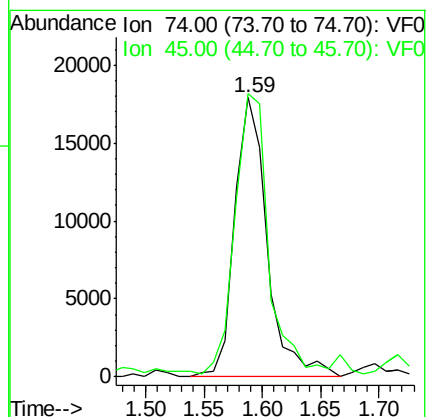
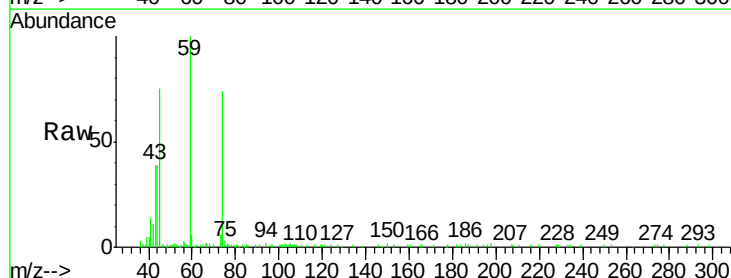
Acq: 16 Sep 2015 13:43

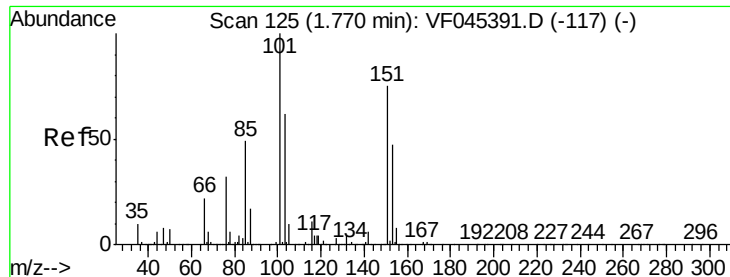
Tgt Ion: 74 Resp: 34778

Ion Ratio Lower Upper

74 100

45 101.3 60.9 182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.02 ug/l

RT: 1.76 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

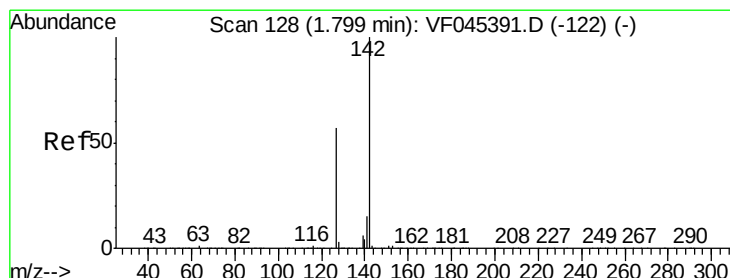
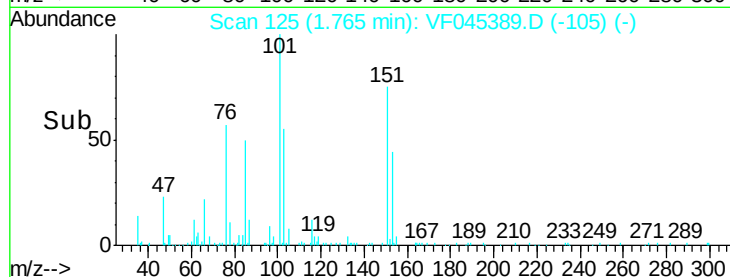
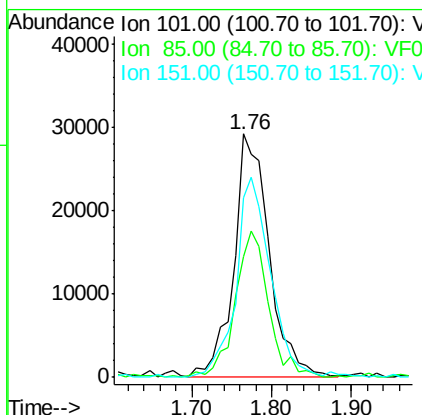
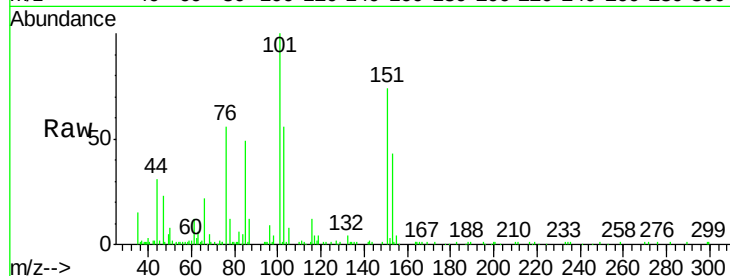
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	89834
Ion Ratio	Lower	Upper	
101	100		
85	49.5	40.0	60.0
151	73.6	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 11.58 ug/l

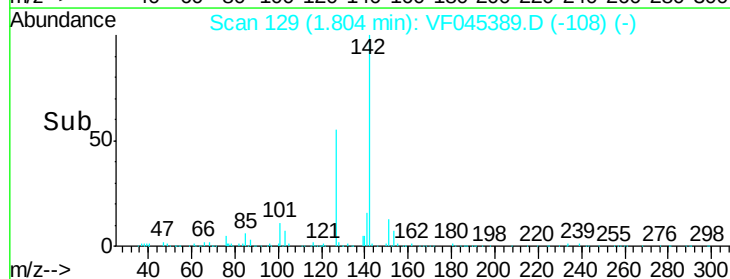
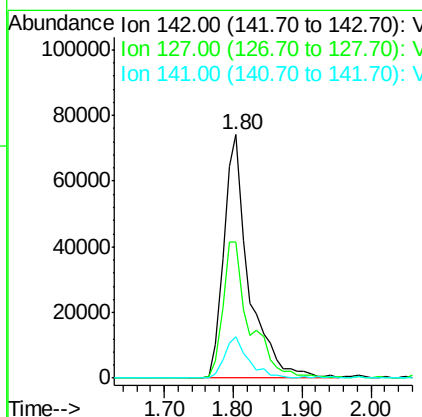
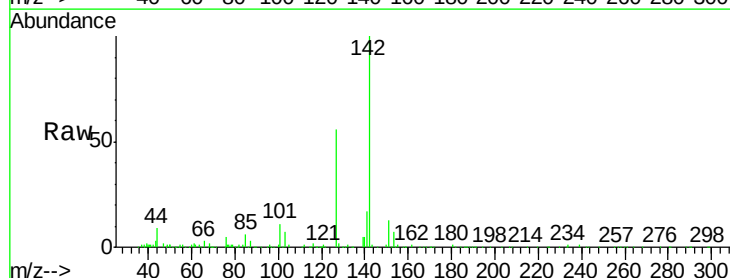
RT: 1.80 min Scan# 129

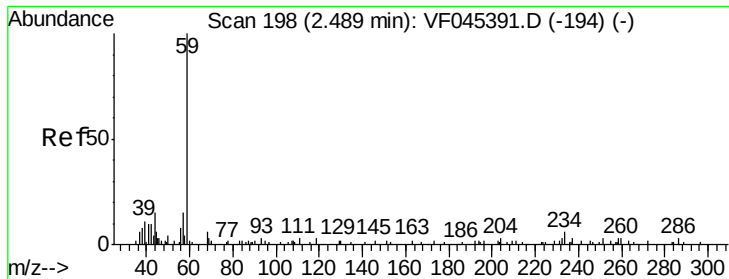
Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	142	Resp:	185300
Ion Ratio	Lower	Upper	
142	100		
127	56.1	43.3	64.9
141	16.9	12.1	18.1





#11

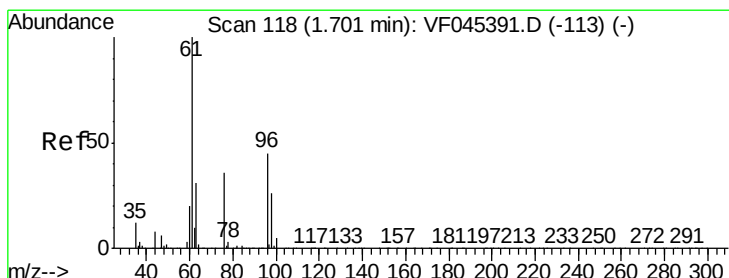
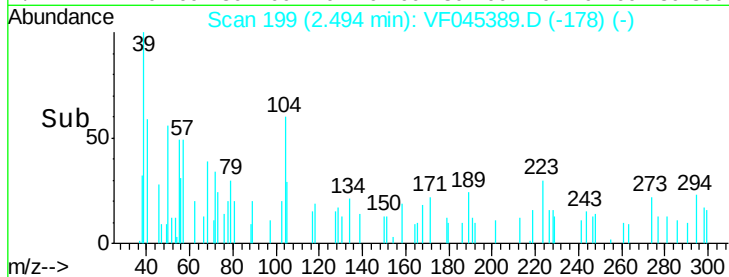
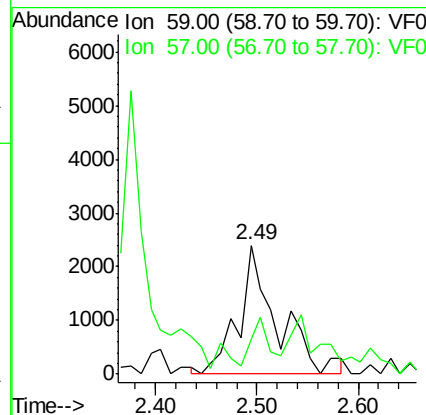
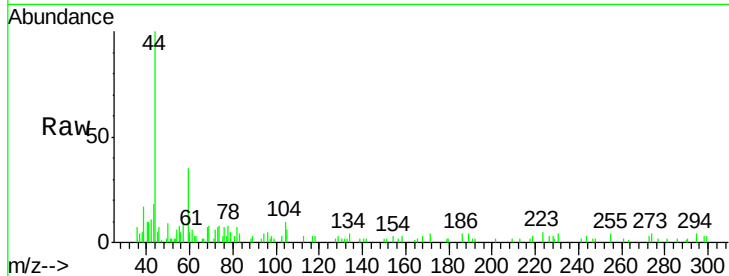
Tert butyl alcohol
 Concen: 47.19 ug/l m
 RT: 2.49 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	27.6	8.6	13.0#

Manual Integrations
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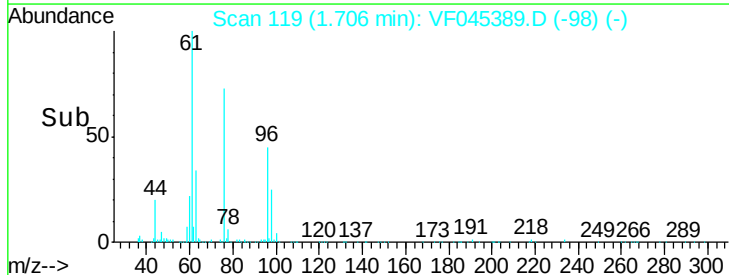
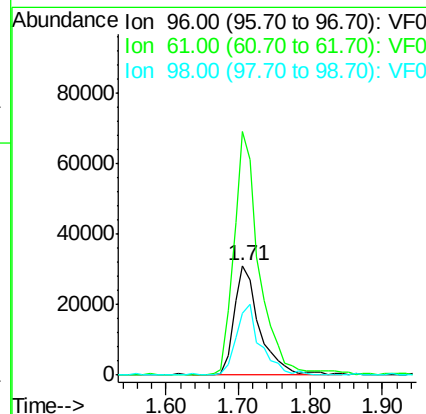
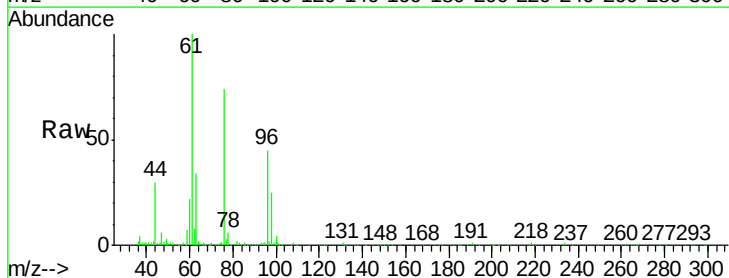
MMDadoda
 9/17/2015 12:50:40 PM

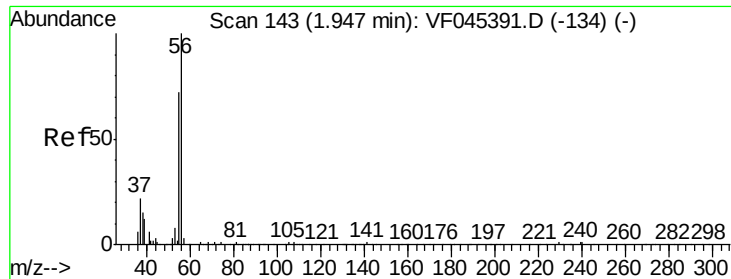


#12

1,1-Dichloroethene
 Concen: 11.17 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	222.4	165.8	248.8
98	56.3	51.2	76.8





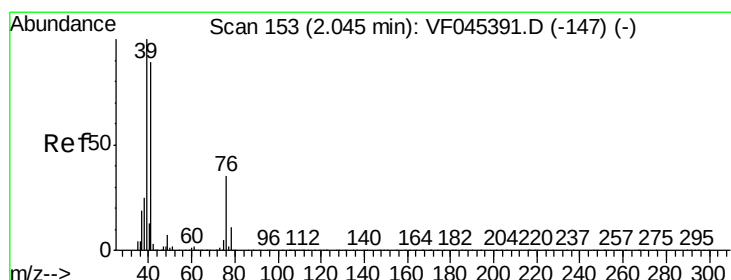
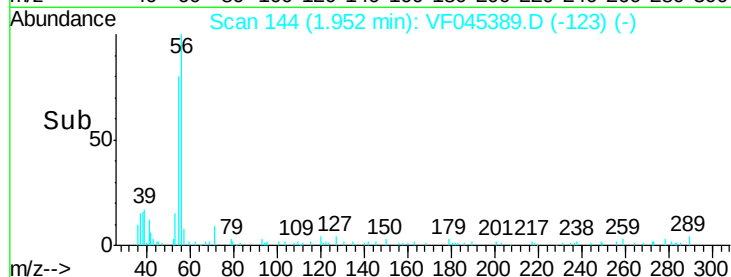
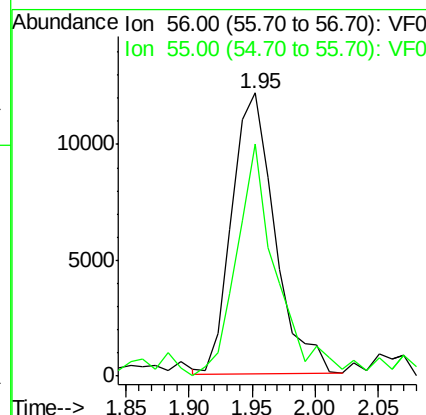
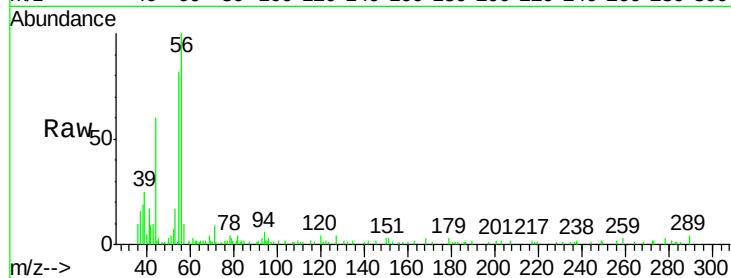
#13
Acrolein
Concen: 40.46 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	82.1	60.5	90.7

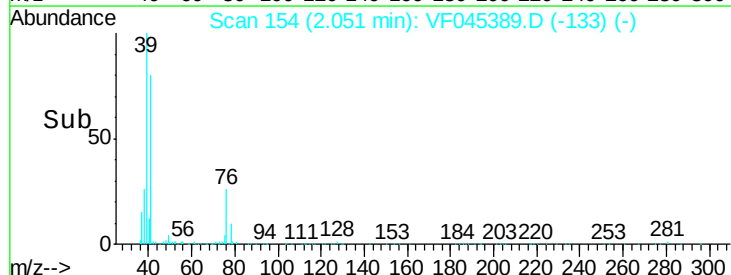
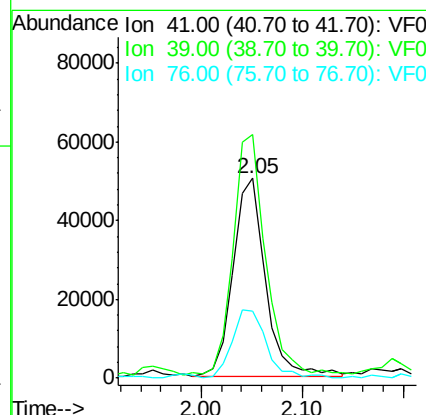
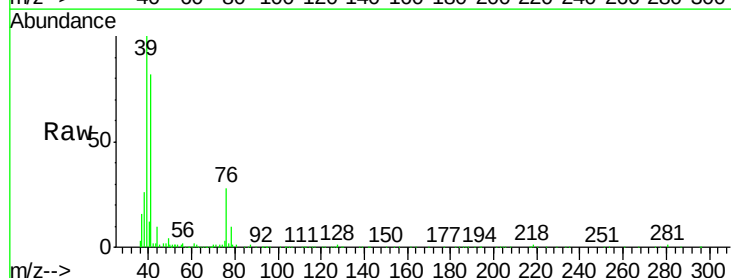
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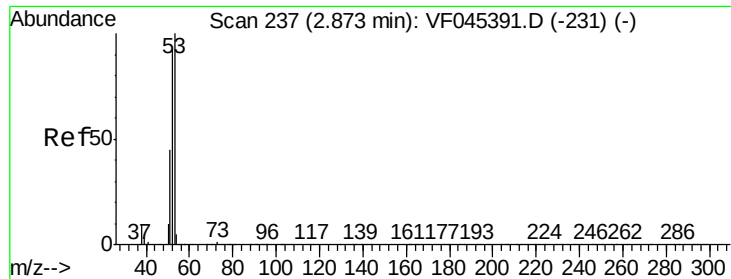
MMDadoda
9/17/2015 12:50:40 PM



#14
Allyl chloride
Concen: 8.78 ug/l
RT: 2.05 min Scan# 154
Delta R.T. 0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	121.9	92.8	139.2
76	33.6	27.7	41.5





#15

Acrylonitrile

Concen: 42.04 ug/l

RT: 2.87 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

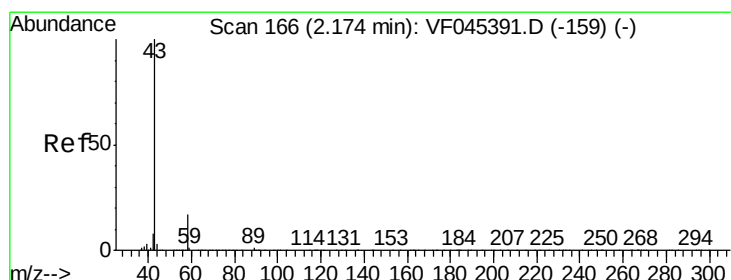
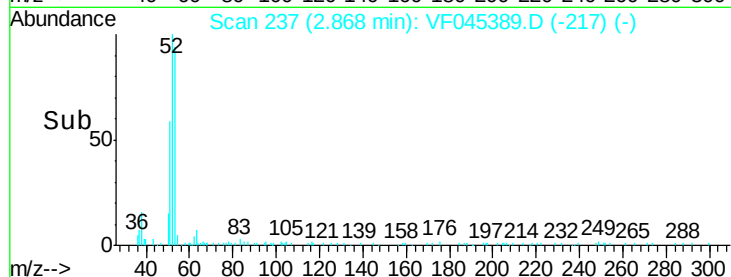
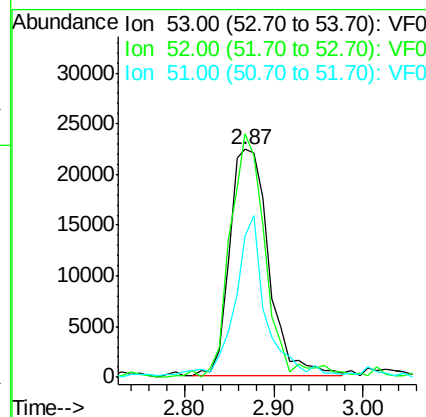
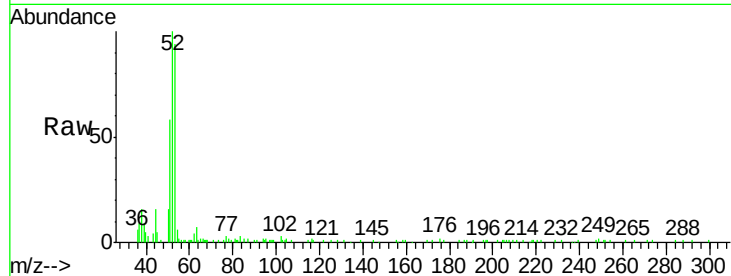
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	69301
Ion	Ratio	Lower	Upper
53	100		
52	106.8	72.7	109.1
51	62.0	42.2	63.2

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#16

Acetone

Concen: 48.76 ug/l

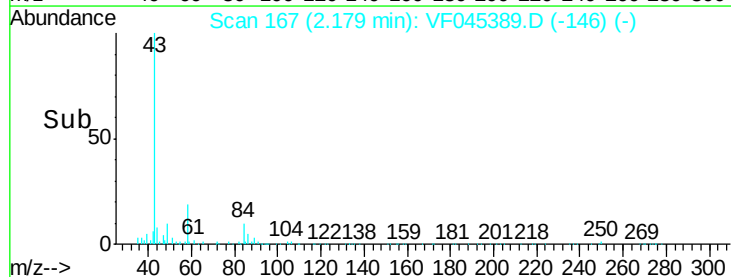
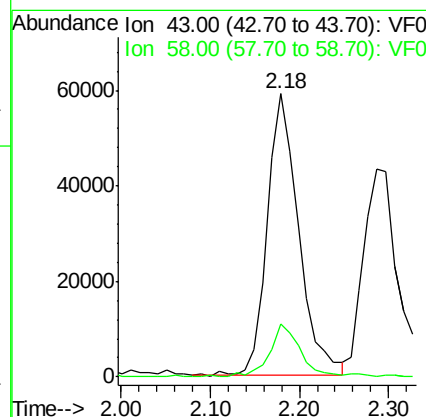
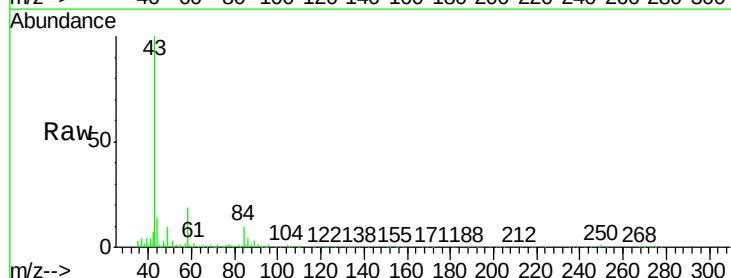
RT: 2.18 min Scan# 167

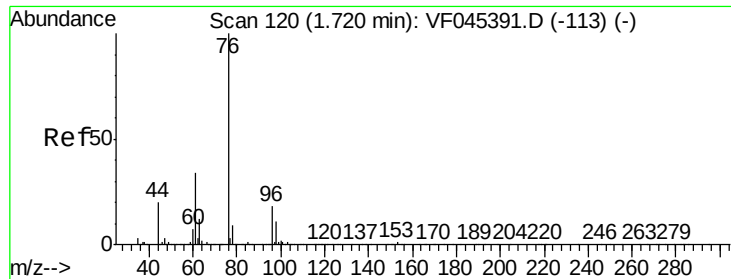
Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	43	Resp:	143024
Ion	Ratio	Lower	Upper
43	100		
58	18.6	13.9	20.9





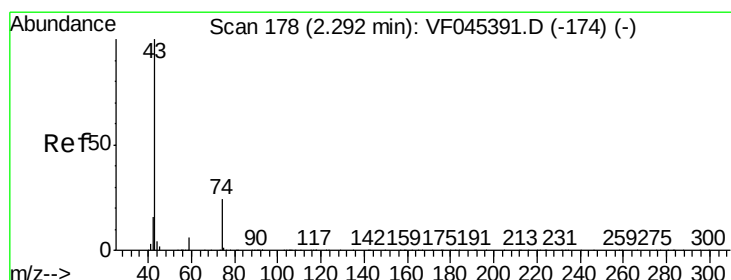
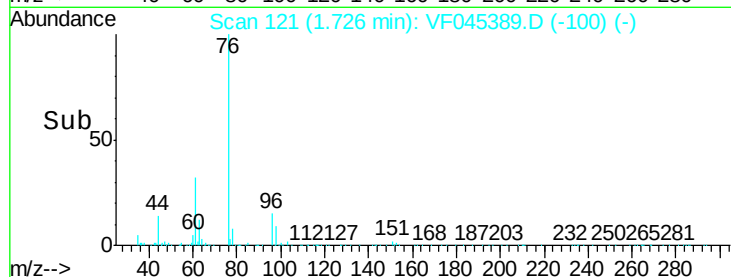
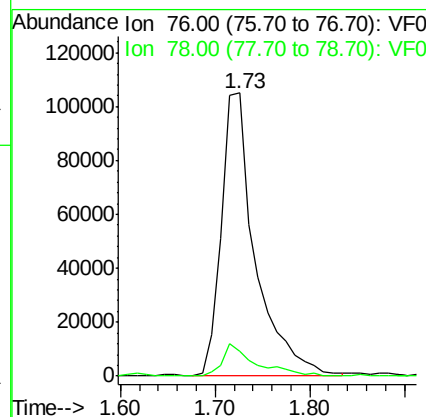
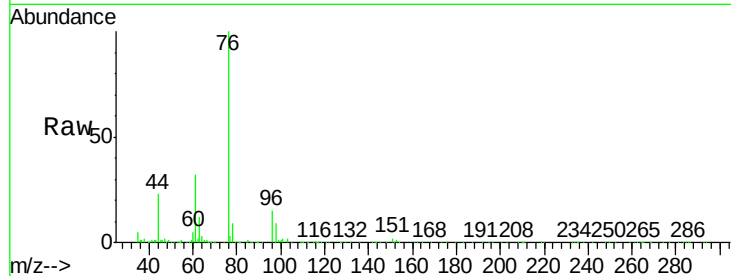
#17
Carbon Disulfide
Concen: 11.60 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.6	11.4

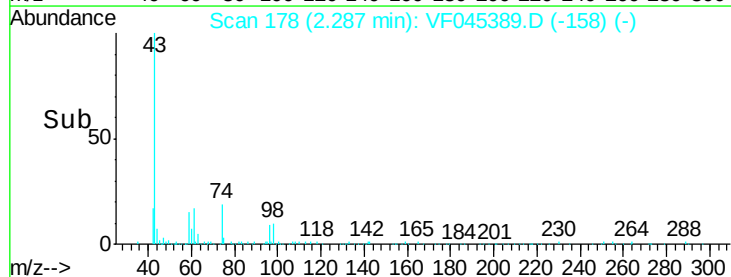
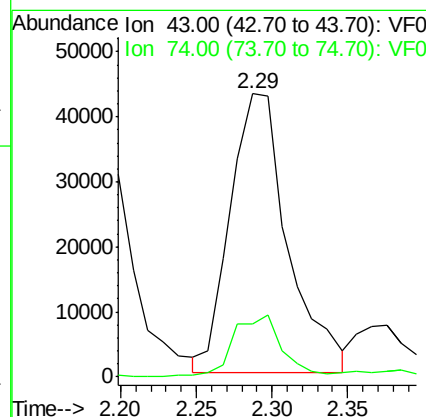
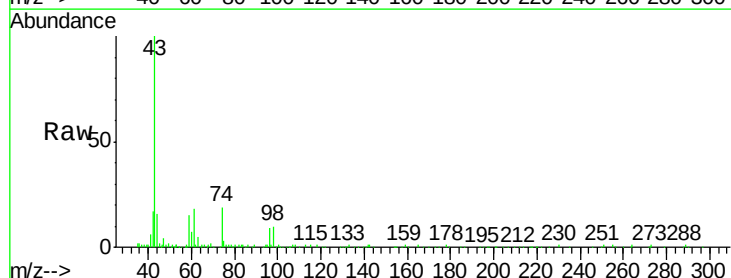
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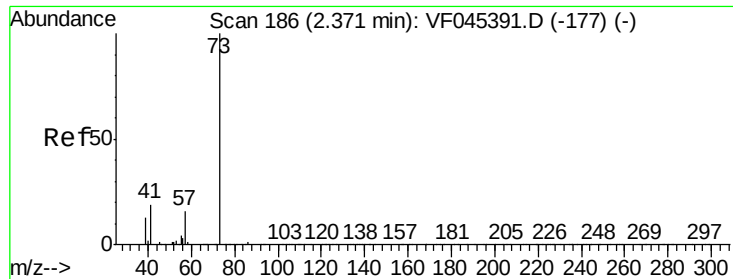
MMDadoda
9/17/2015 12:50:40 PM



#18
Methyl Acetate
Concen: 8.49 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	15.1	22.7





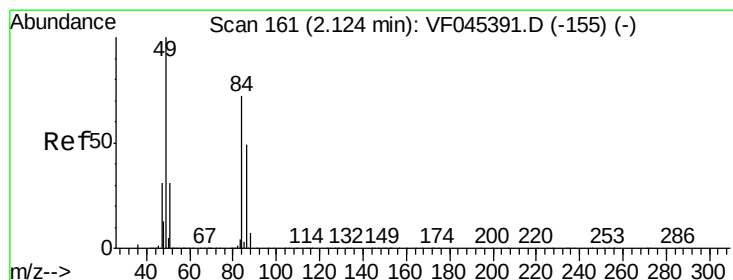
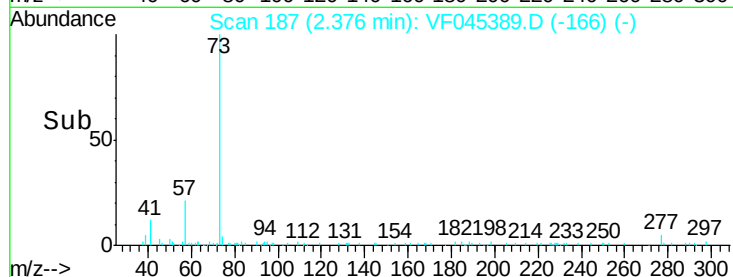
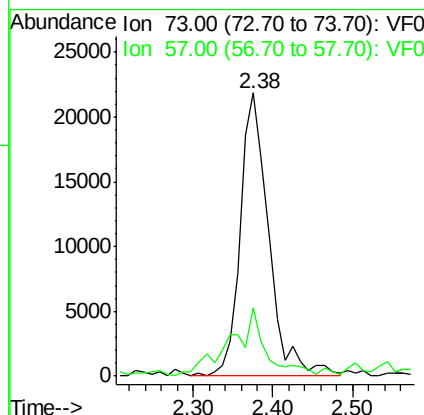
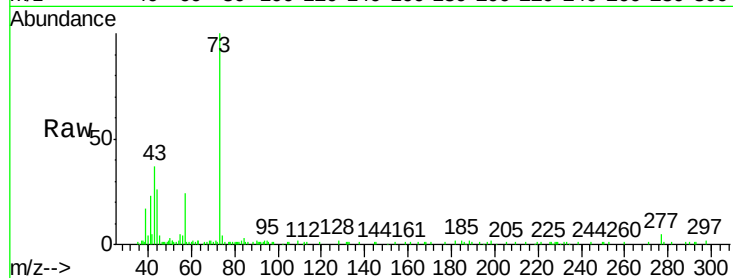
#19
Methyl tert-butyl Ether
Concen: 10.16 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	12.9	19.3#

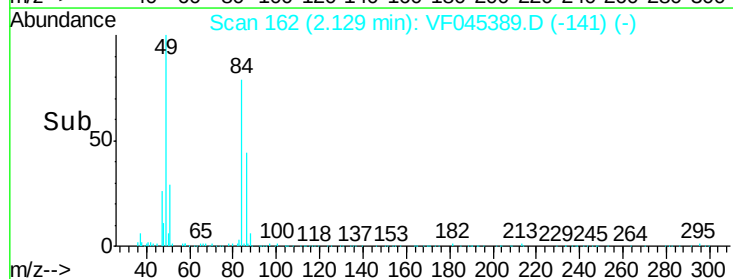
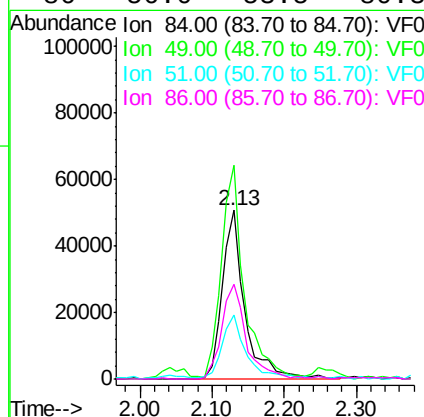
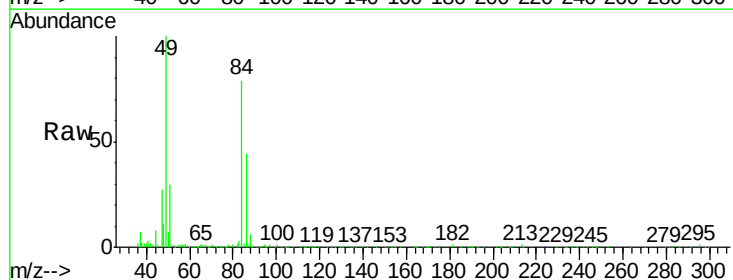
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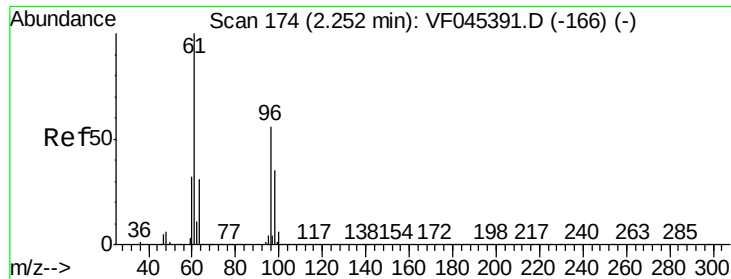
MMDadoda
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#20
Methylene Chloride
Concen: 14.12 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	122.8	184.2
51	37.9	35.4	53.2
86	56.0	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 10.99 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

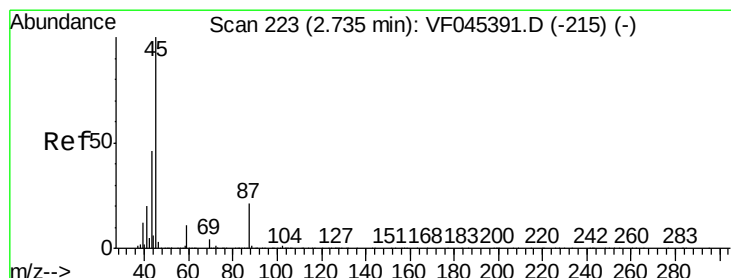
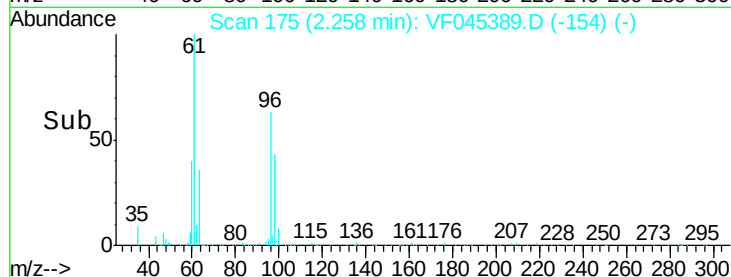
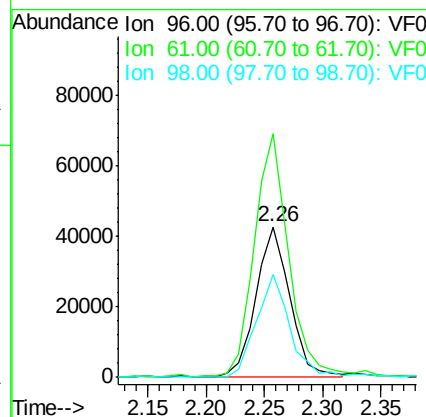
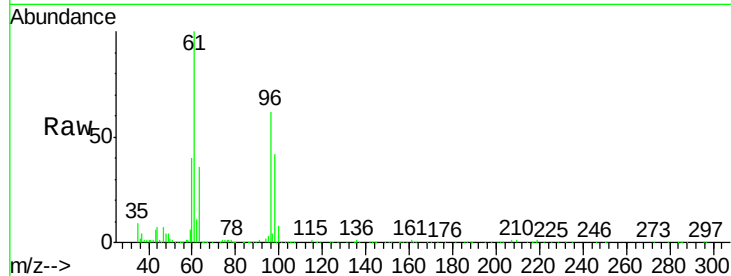
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	86697
Ion Ratio	Lower	Upper	
96	100		
61	162.1	136.8	205.2
98	68.8	51.0	76.4

Manual Integrations
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MMDadoda
9/17/2015 12:50:40 PM



#22

Diisopropyl ether

Concen: 8.48 ug/l

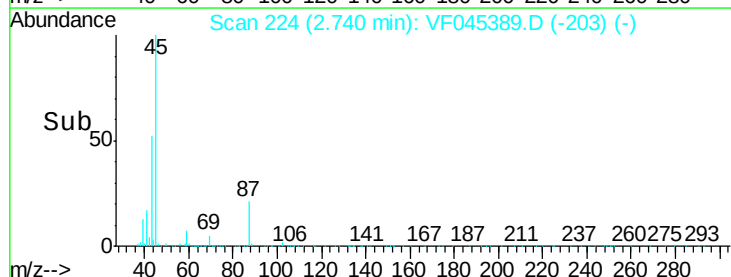
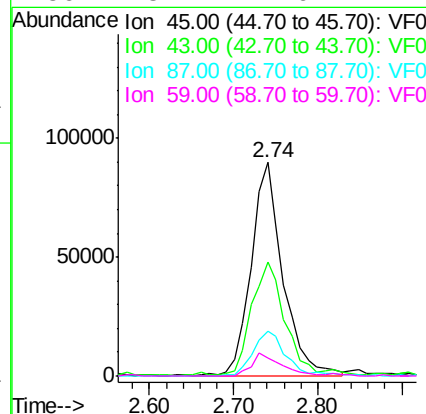
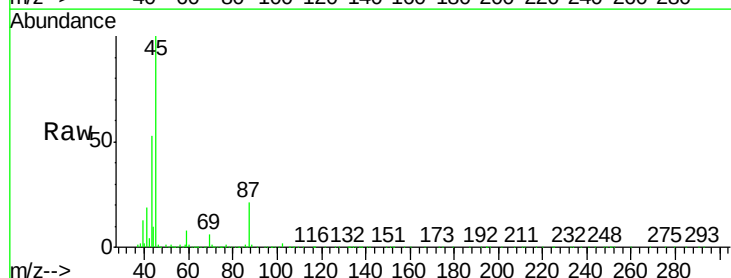
RT: 2.74 min Scan# 224

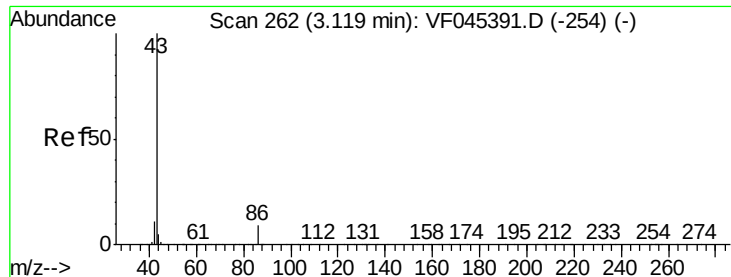
Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	45	Resp:	235669
Ion Ratio	Lower	Upper	
45	100		
43	53.4	42.2	63.4
87	20.8	16.6	25.0
59	8.4	7.6	11.4





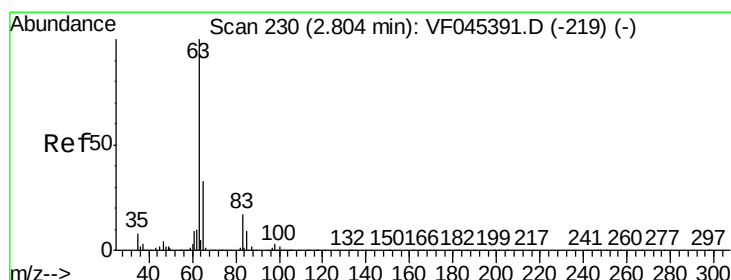
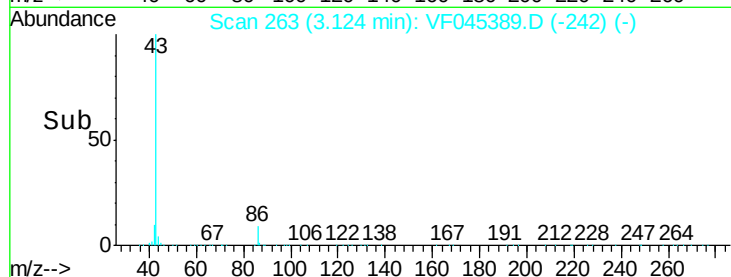
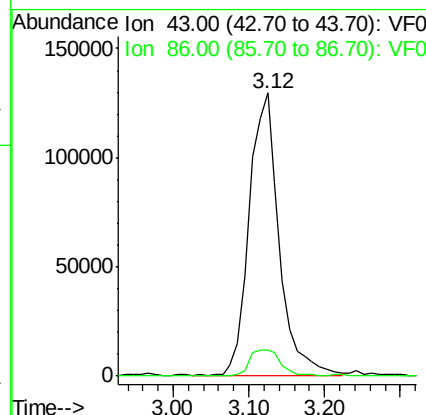
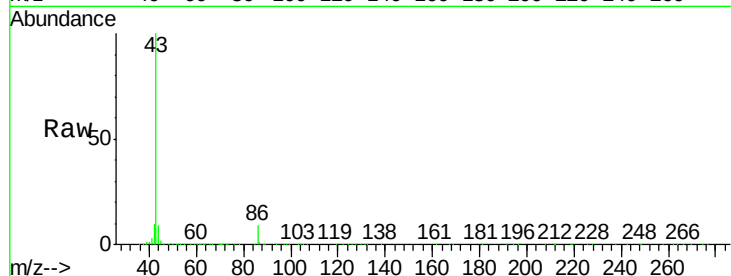
#23
 Vinyl Acetate
 Concen: 42.29 ug/l
 RT: 3.12 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.3	9.5

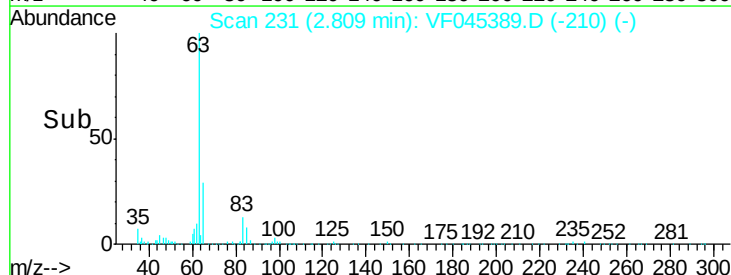
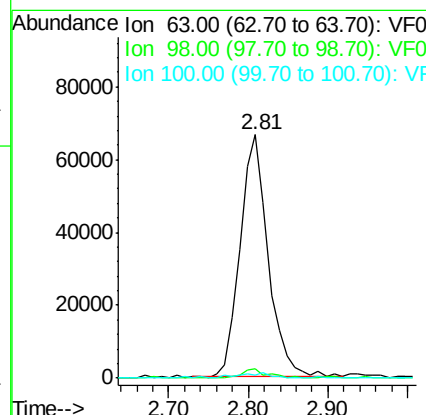
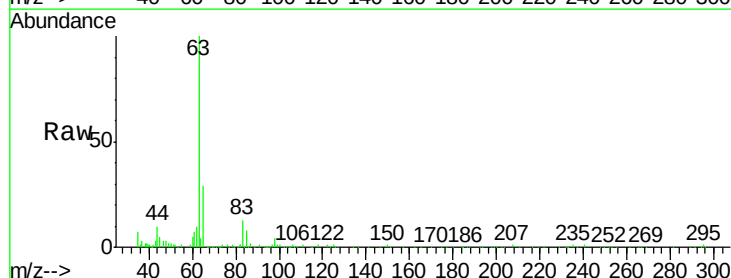
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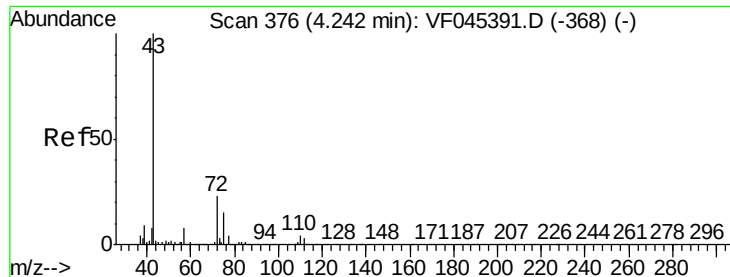
MMDadoda
 9/17/2015 12:50:40 PM



#24
 1,1-Dichloroethane
 Concen: 9.78 ug/l
 RT: 2.81 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.2	6.6
100	1.3	1.1	3.5





#25

2-Butanone

Concen: 40.08 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tot Ion: 43 Resp: 201604

Ion Ratio Lower Upper

43 100

72 30.1 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

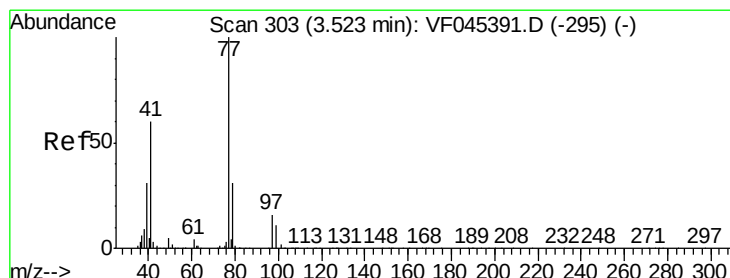
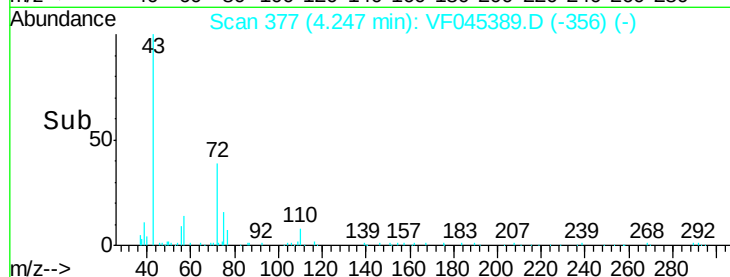
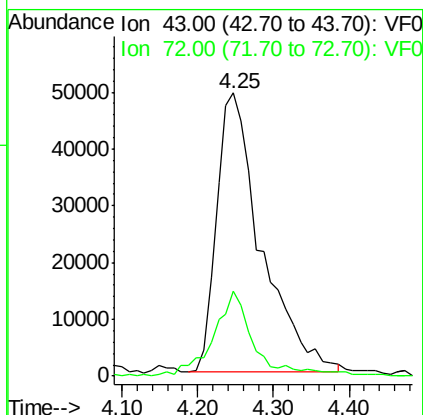
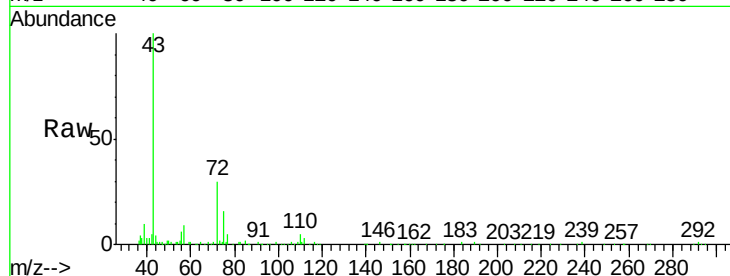
VSTDIC010

Manual Integrations

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MMDadoda

9/17/2015 12:50:40 PM



#26

2,2-Dichloropropane

Concen: 10.81 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF045389.D

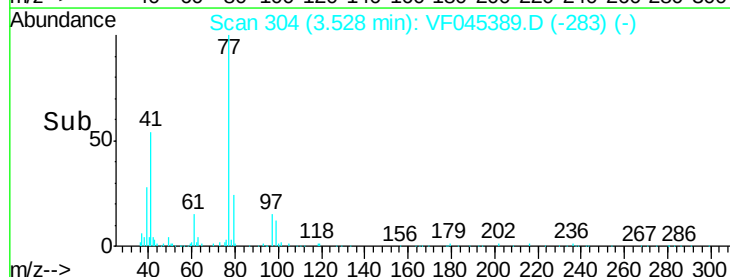
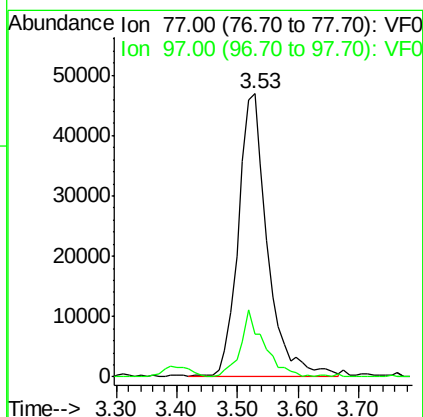
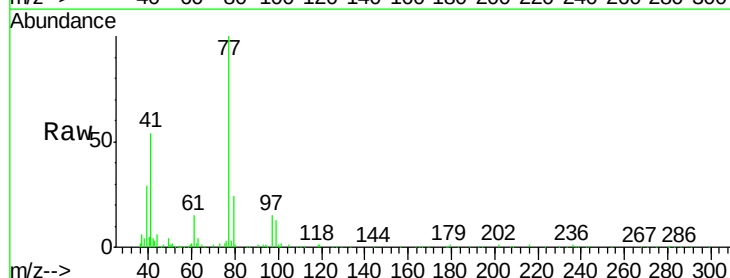
Acq: 16 Sep 2015 13:43

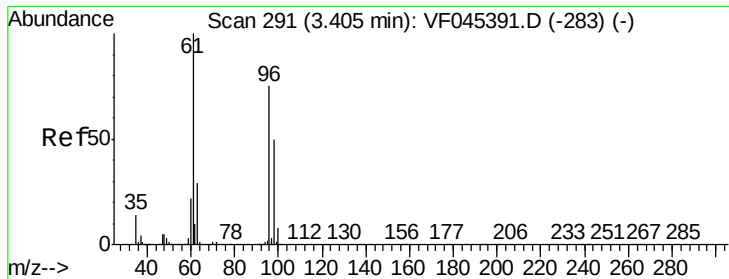
Tgt Ion: 77 Resp: 155574

Ion Ratio Lower Upper

77 100

97 15.1 9.2 27.4





#27

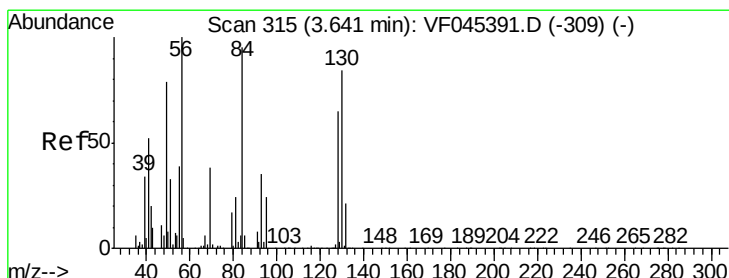
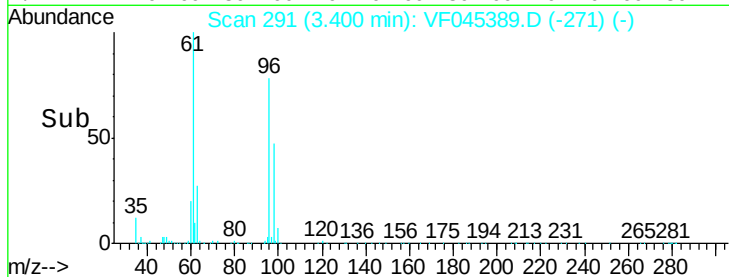
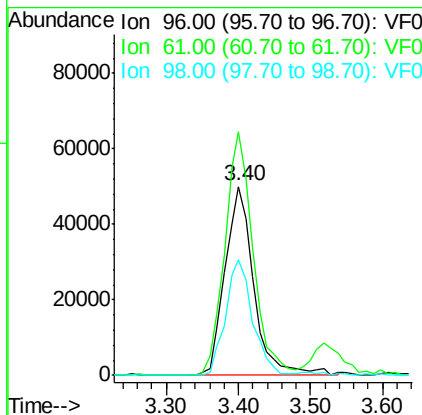
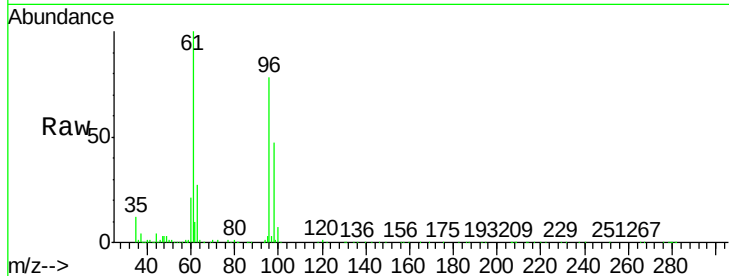
cis-1,2-Dichloroethene
Concen: 11.16 ug/l
RT: 3.40 min Scan# 291
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139076		
61	128.8		0.0	268.6
98	61.0		0.0	135.8

Manual Integrations
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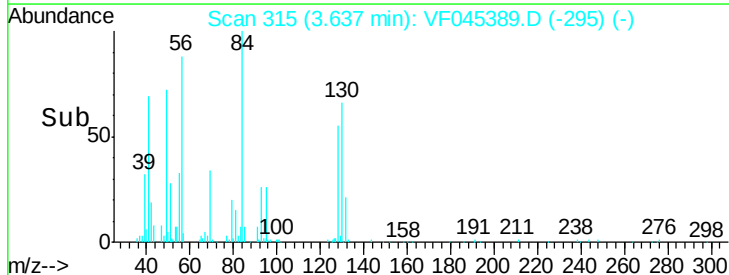
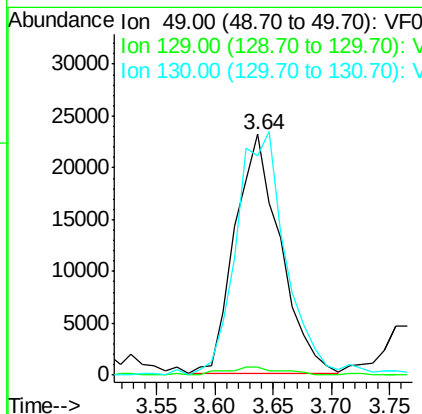
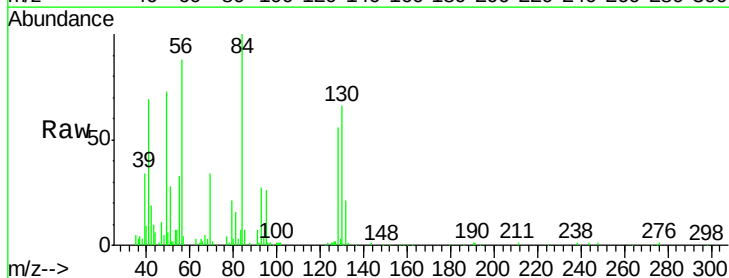
MMDadoda
9/17/2015 12:50:40 PM

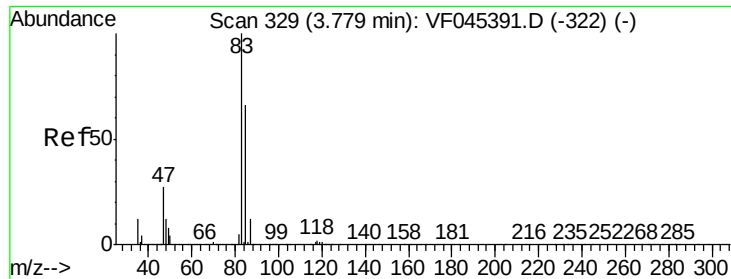


#28

Bromochloromethane
Concen: 7.24 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62703		
129	3.5		0.0	0.0#
130	91.2		79.6	119.4





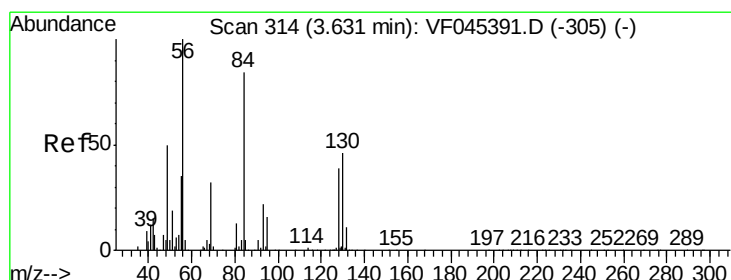
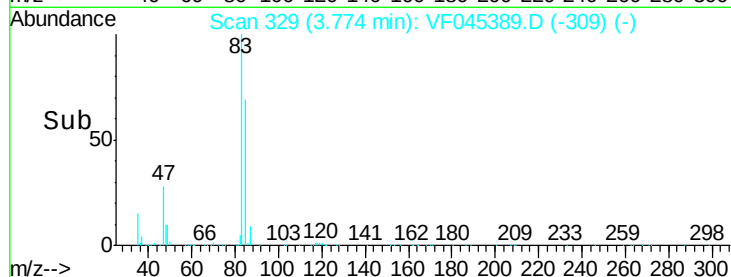
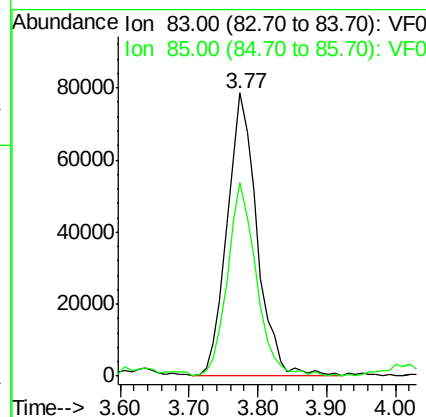
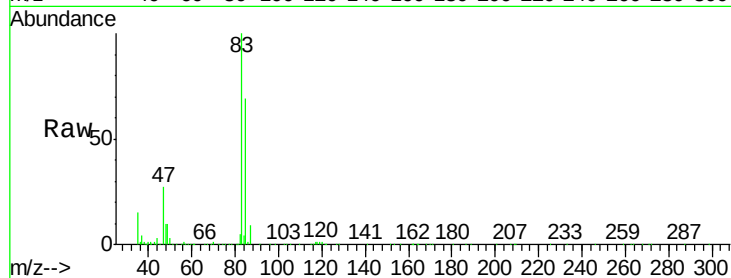
#29
Chloroform
Concen: 10.82 ug/l
RT: 3.77 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	237541		
85	85	68.6	51.6	77.4	

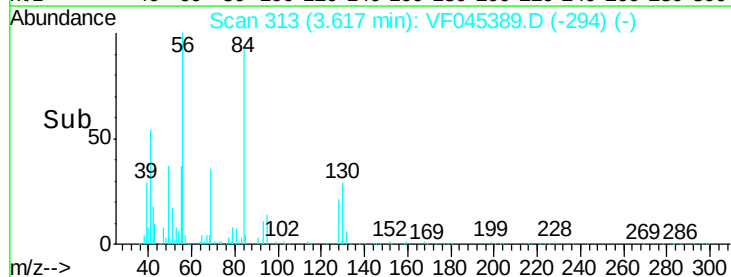
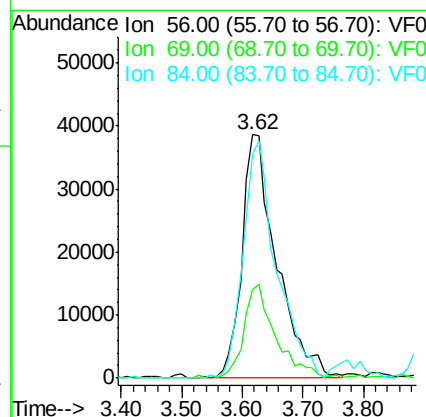
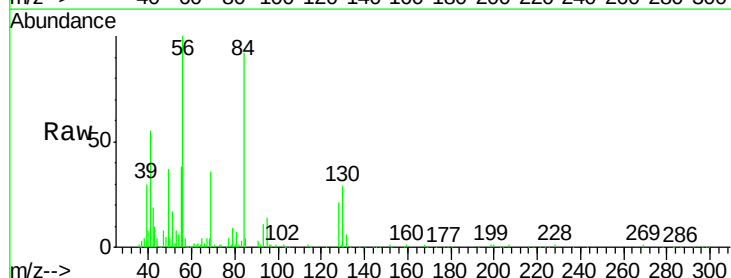
Manual Integrations
APPROVED

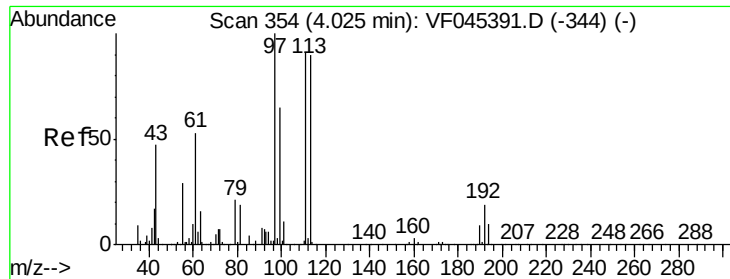
MMDadoda
9/17/2015 12:50:40 PM



#30
Cyclohexane
Concen: 8.91 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100	154234		
69	69	36.4	26.1	39.1	
84	84	92.0	72.2	108.4	





#31

1,1,1-Trichloroethane

Concen: 12.00 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

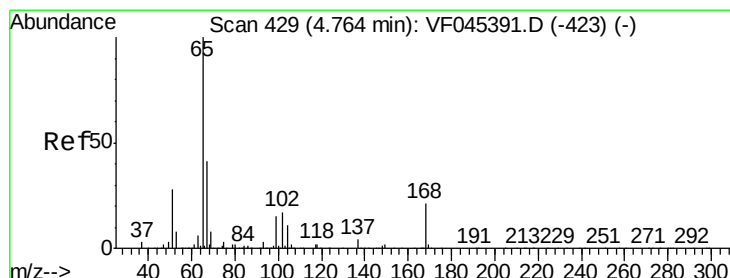
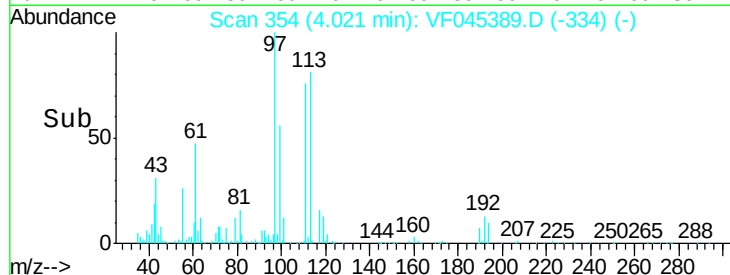
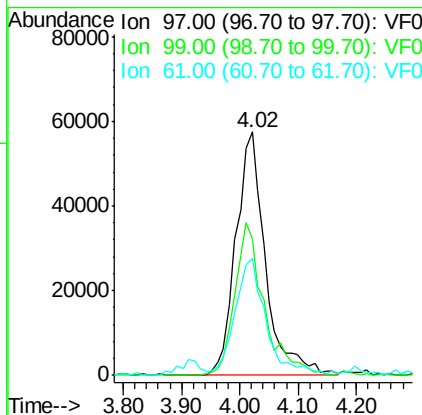
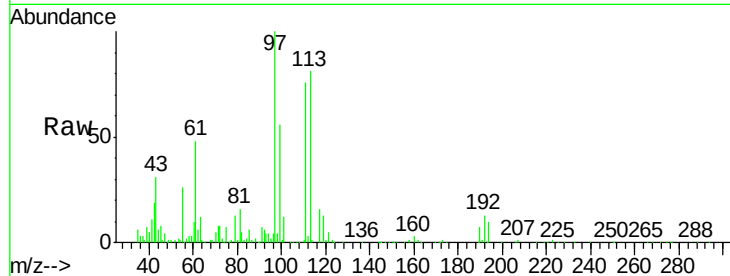
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	204181
Ion	Ratio	Lower	Upper
97	100		
99	56.0	51.1	76.7
61	48.1	37.8	56.6

Manual Integrations
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MMDadoda
9/17/2015 12:50:40 PM



#32

1,2-Dichloroethane-d4

Concen: 11.18 ug/l

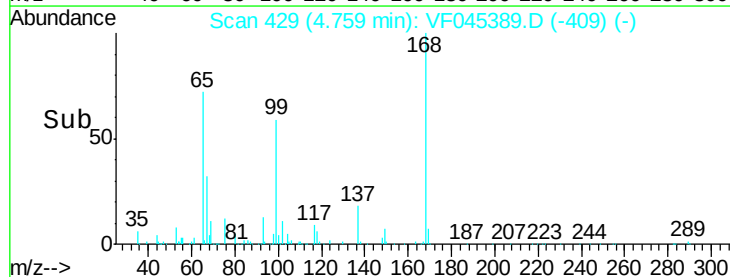
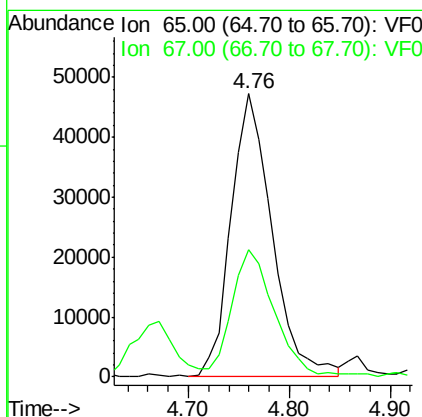
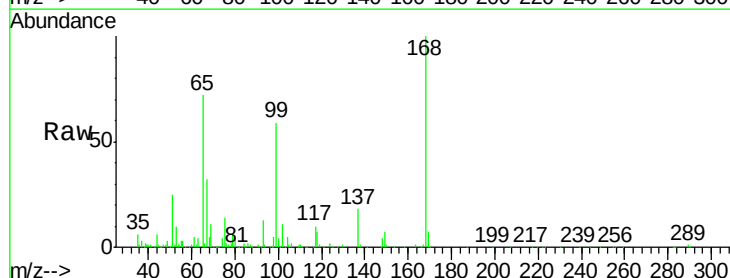
RT: 4.76 min Scan# 429

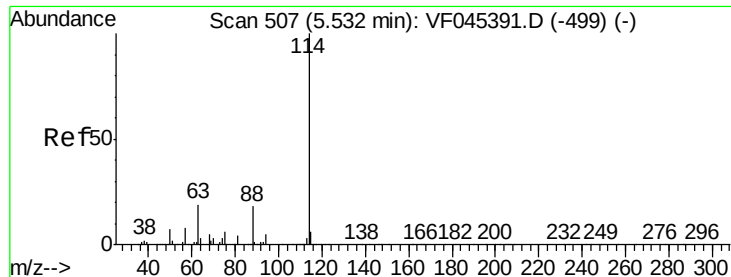
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	65	Resp:	134110
Ion	Ratio	Lower	Upper
65	100		
67	45.1	0.0	102.2





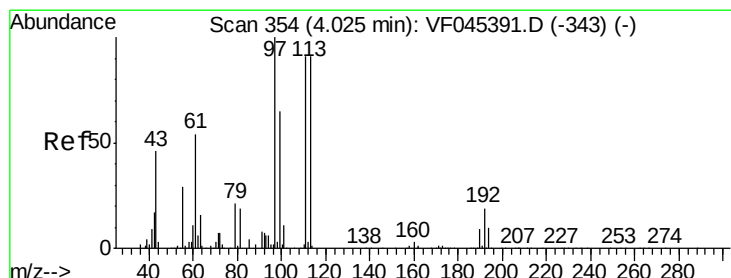
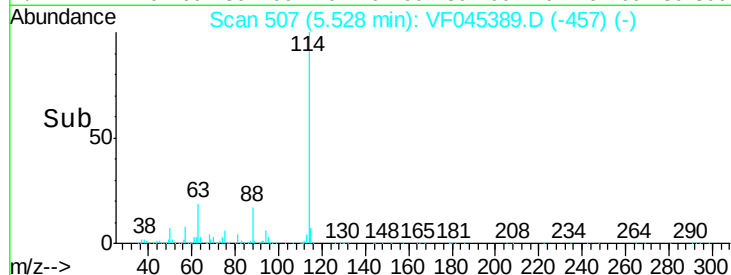
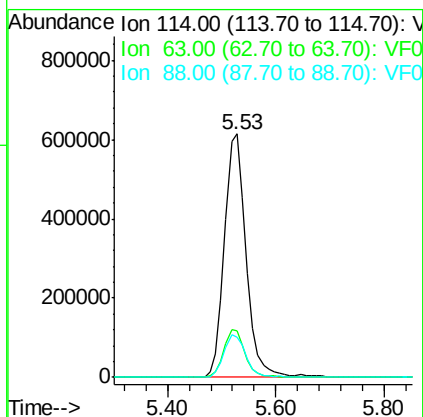
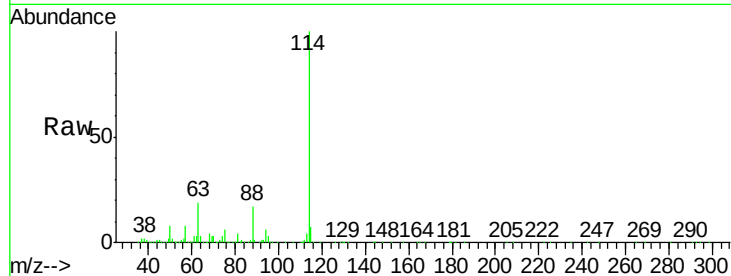
#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.53 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	16.7	0.0	37.0

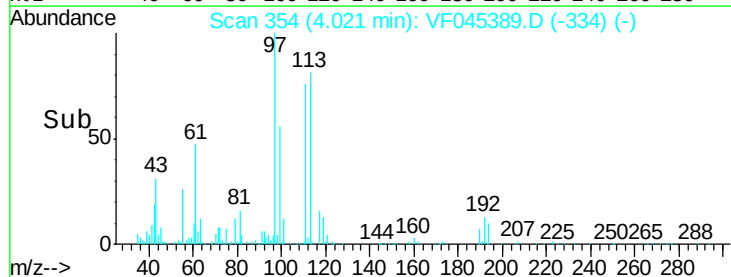
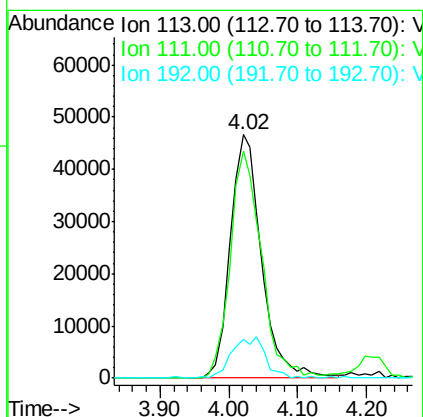
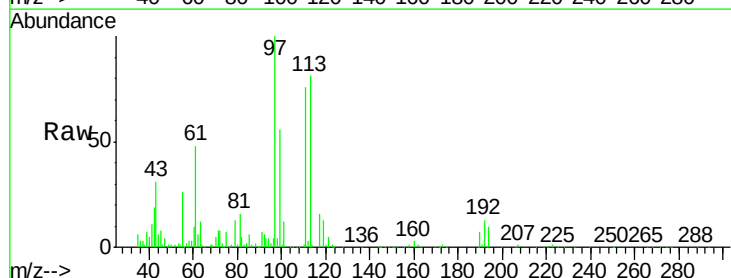
Manual Integrations
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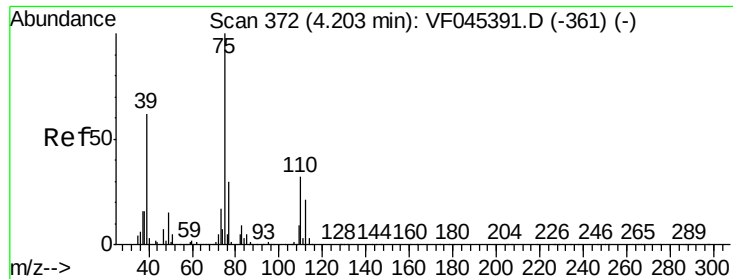
MMDadoda
9/17/2015 12:50:40 PM



#34
Dibromofluoromethane
Concen: 11.13 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	93.3	75.5	113.3
192	16.0	15.6	23.4





#35

1,1-Dichloropropene

Concen: 10.53 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

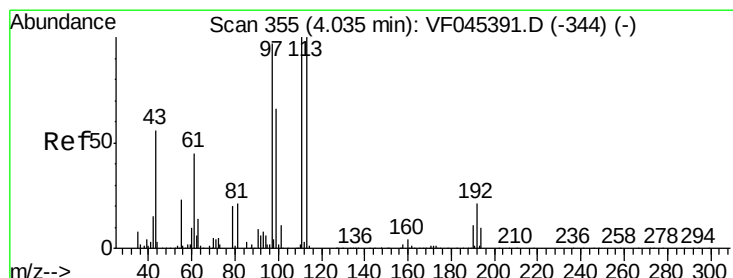
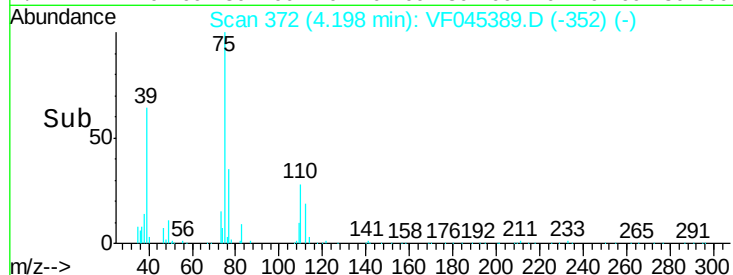
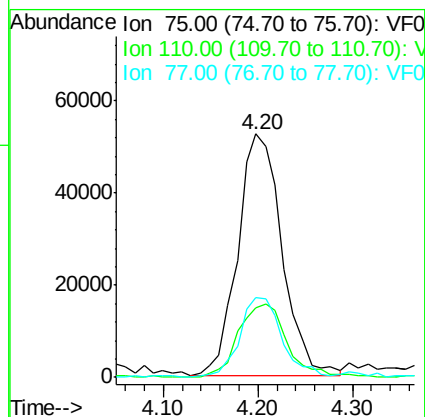
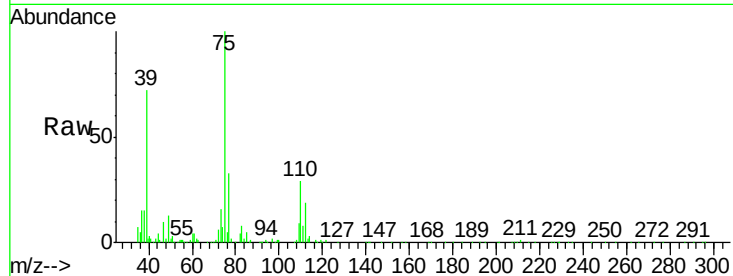
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	171441
Ion Ratio	Lower	Upper	
75	100		
110	28.5	15.9	47.6
77	32.7	24.2	36.4

Manual Integrations
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9/17/2015 12:50:40 PM



#36

Ethyl Acetate

Concen: 9.01 ug/l

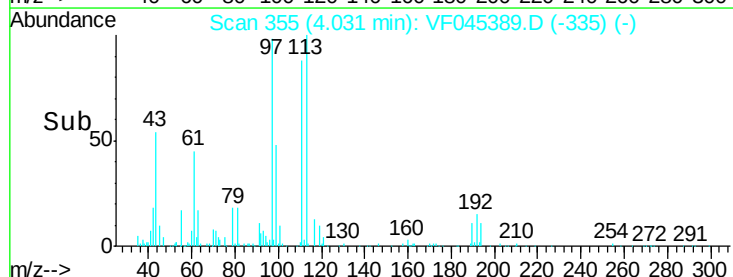
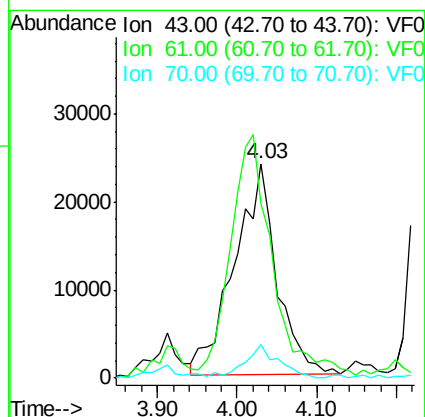
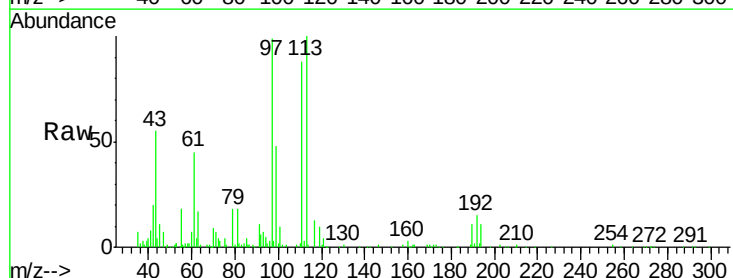
RT: 4.03 min Scan# 355

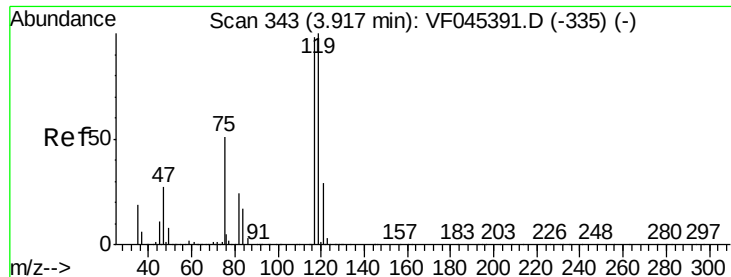
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	43	Resp:	88019
Ion Ratio	Lower	Upper	
43	100		
61	81.1	49.4	74.0#
70	16.0	10.8	16.2





#37

Carbon Tetrachloride

Concen: 13.29 ug/l

RT: 3.91 min Scan# 343

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

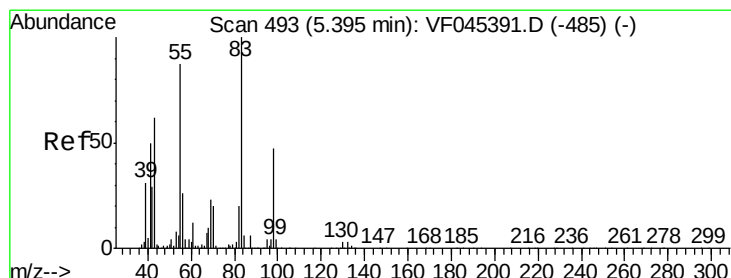
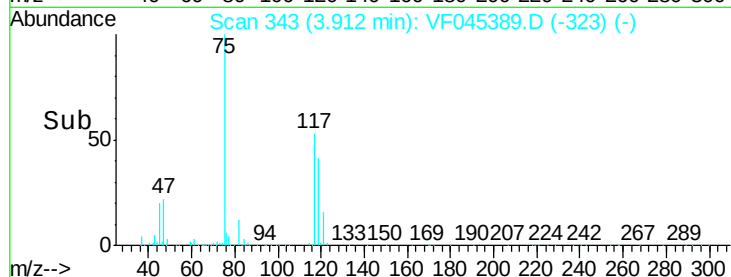
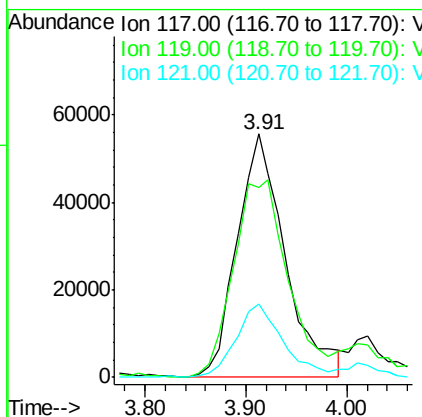
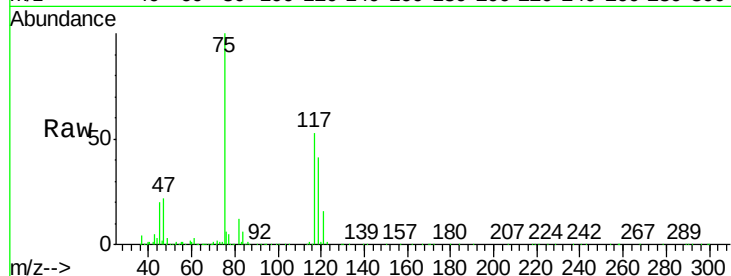
ClientSampleId :

VSTDIC010

Tot Ion:	117	Resp:	185848
Ion Ratio	Lower	Upper	
117	100		
119	78.0	77.8	116.8
121	30.0	25.4	38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 10.87 ug/l

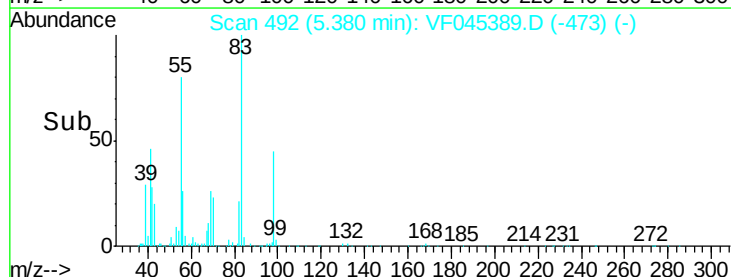
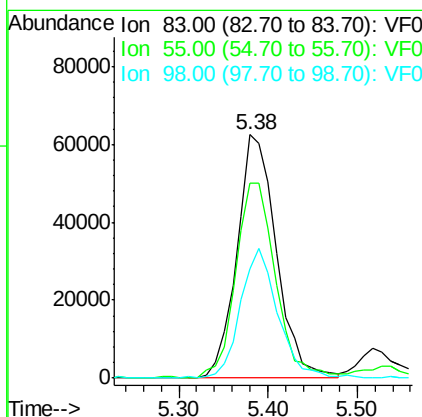
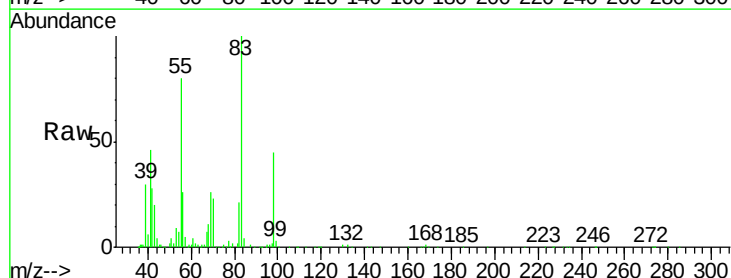
RT: 5.38 min Scan# 492

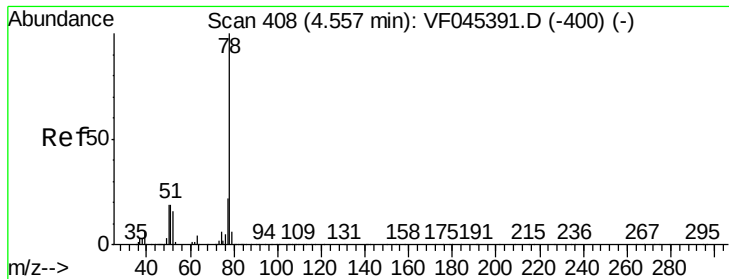
Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	83	Resp:	191170
Ion Ratio	Lower	Upper	
83	100		
55	80.3	60.5	90.7
98	44.8	38.1	57.1





#39

Benzene

Concen: 10.23 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 78 Resp: 417508

Ion Ratio Lower Upper

78 100

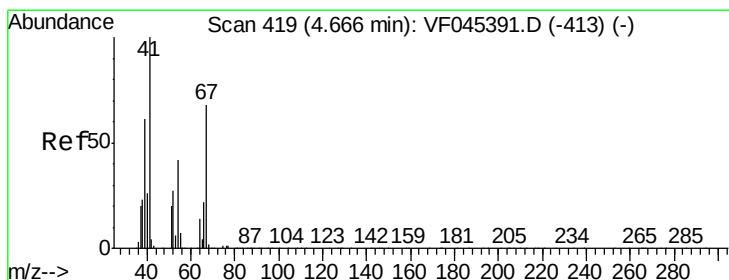
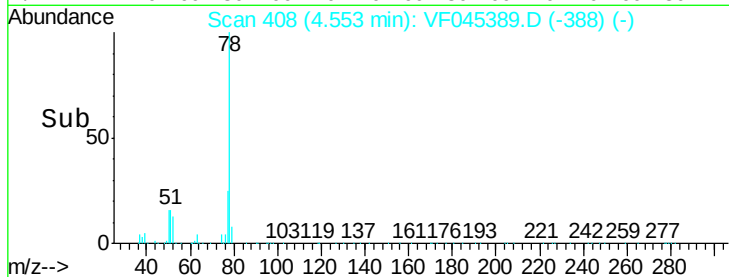
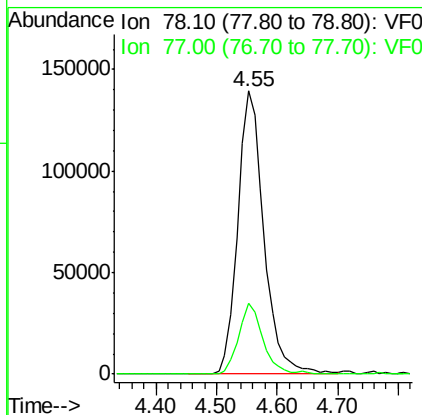
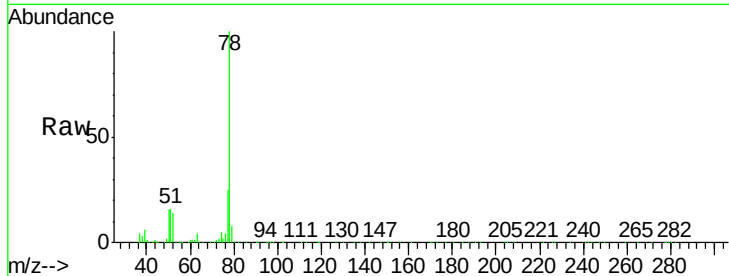
77 24.9 18.6 28.0

Manual Integrations

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9/17/2015 12:50:40 PM



#40

Methacrylonitrile

Concen: 8.52 ug/l

RT: 4.65 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion: 41 Resp: 39450

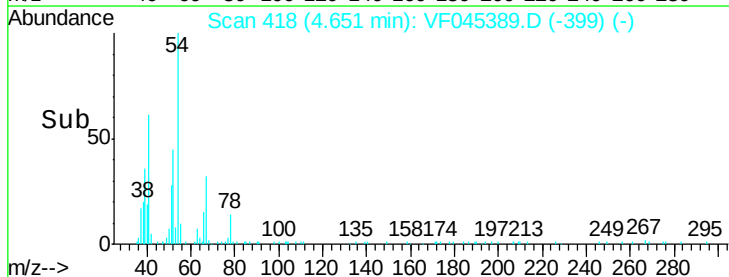
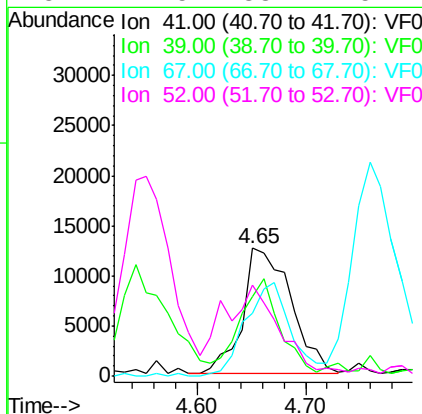
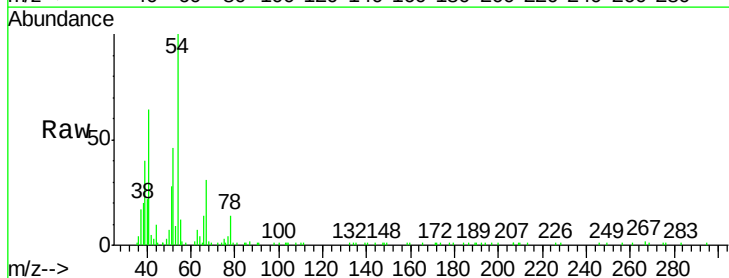
Ion Ratio Lower Upper

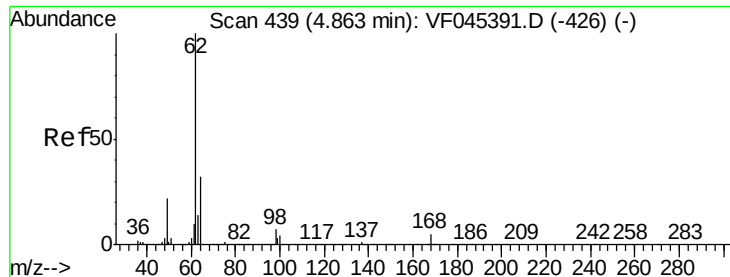
41 100

39 62.1 44.9 67.3

67 49.1 49.0 73.4

52 71.5 38.2 57.2#





#41

1,2-Dichloroethane

Concen: 11.58 ug/l

RT: 4.86 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF045389.D

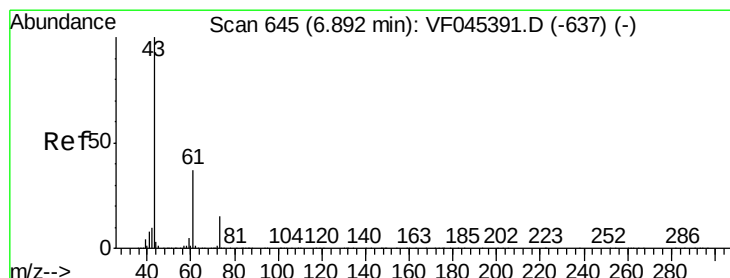
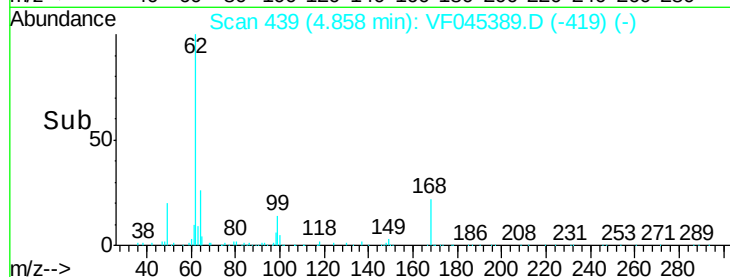
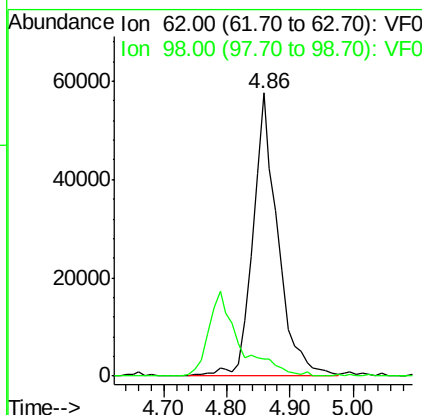
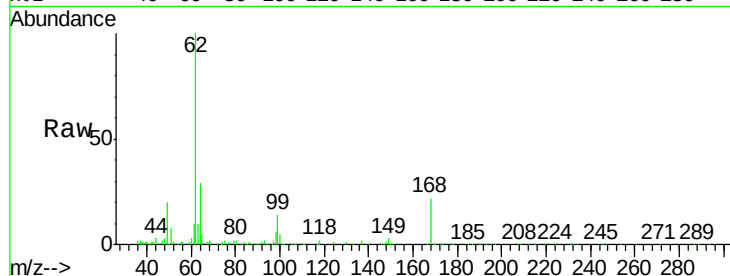
Acq: 16 Sep 2015 13:43

Tot Ion:	62	Resp:	158718
Ion Ratio		Lower	Upper
62	100		
98	6.0	0.0	17.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
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9/17/2015 12:50:40 PM



#42

Isopropyl Acetate

Concen: 8.83 ug/l

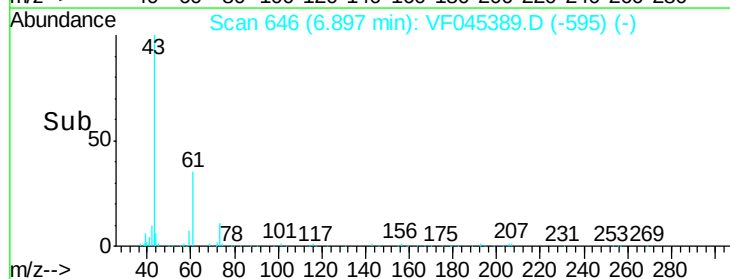
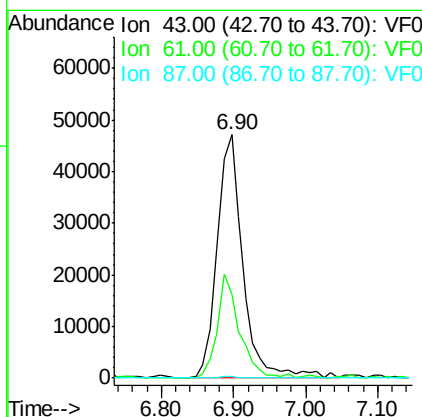
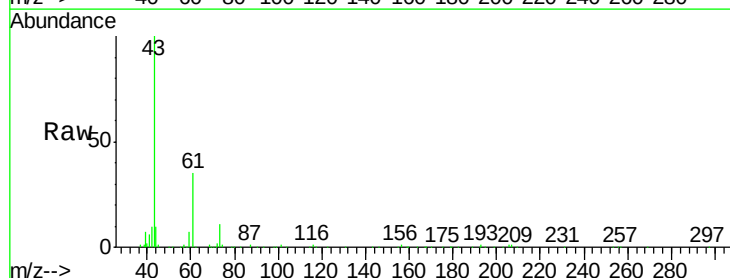
RT: 6.90 min Scan# 646

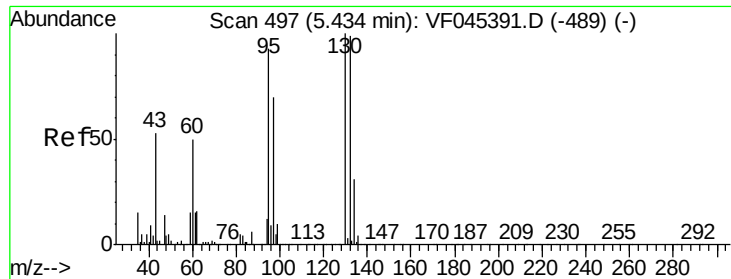
Delta R.T. 0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	43	Resp:	116695
Ion Ratio		Lower	Upper
43	100		
61	34.5	29.8	44.6
87	0.8	0.2	0.2#





#43

Trichloroethene

Concen: 11.87 ug/l

RT: 5.43 min Scan# 497

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:130 Resp: 139171

Ion Ratio Lower Upper

130 100

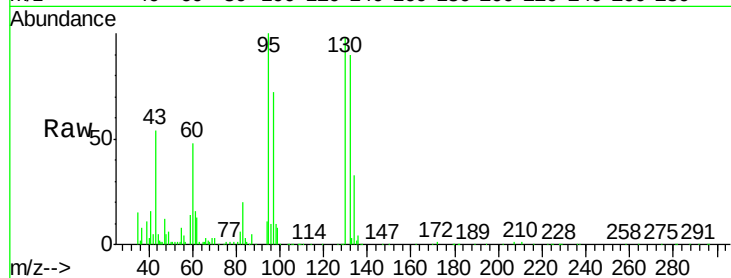
95 102.1 0.0 192.2

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

60000

50000

40000

30000

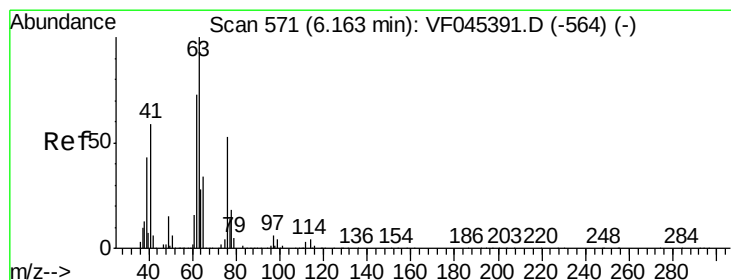
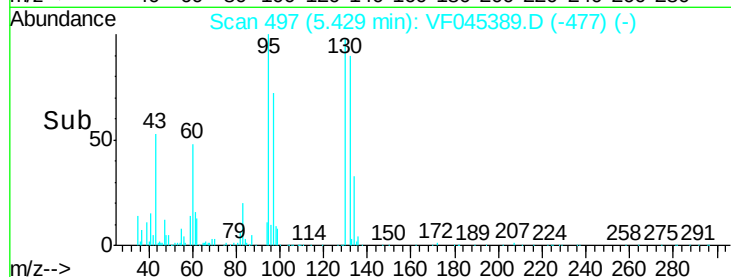
20000

10000

0

5.30 5.40 5.50 5.60

Time-->



#44

1,2-Dichloropropane

Concen: 9.49 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045389.D

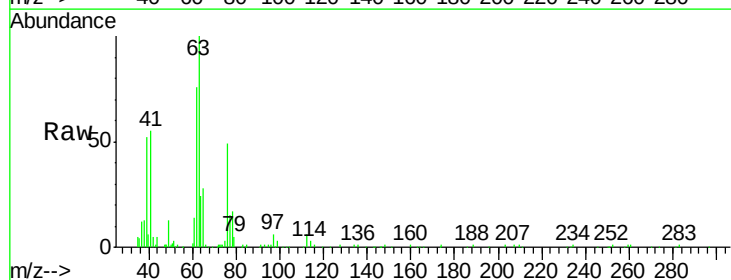
Acq: 16 Sep 2015 13:43

Tgt Ion: 63 Resp: 116607

Ion Ratio Lower Upper

63 100

65 27.8 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

40000

30000

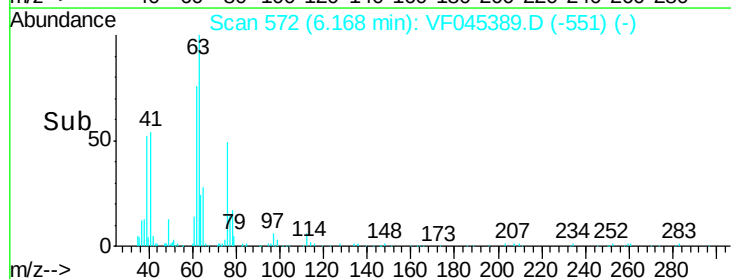
20000

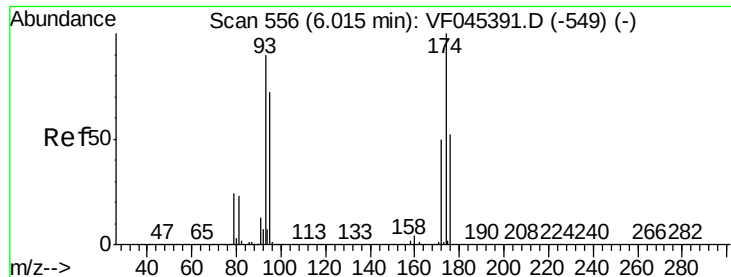
10000

0

6.10 6.20 6.30

Time-->





#45

Dibromomethane

Concen: 10.52 ug/l

RT: 6.01 min Scan# 556

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

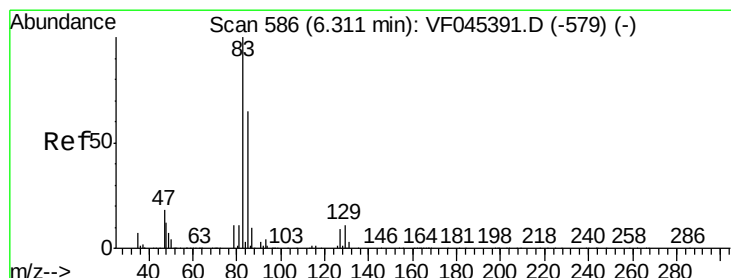
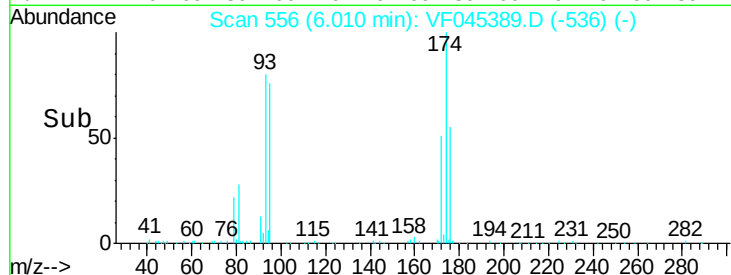
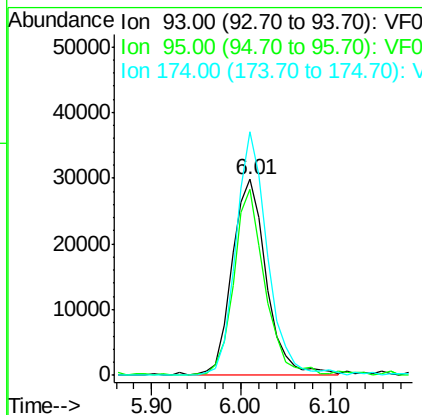
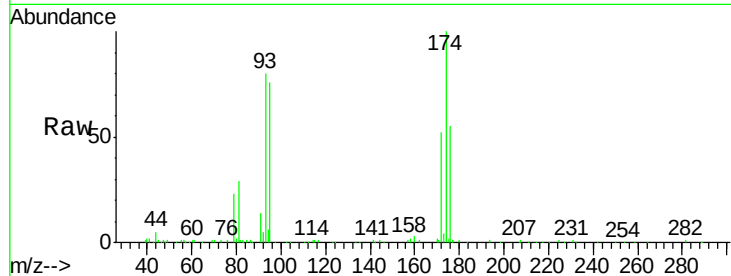
ClientSampleId :

VSTDIC010

Tot Ion:	93	Resp:	80402
Ion	Ratio	Lower	Upper
93	100		
95	94.7	69.8	104.6
174	124.2	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 11.58 ug/l

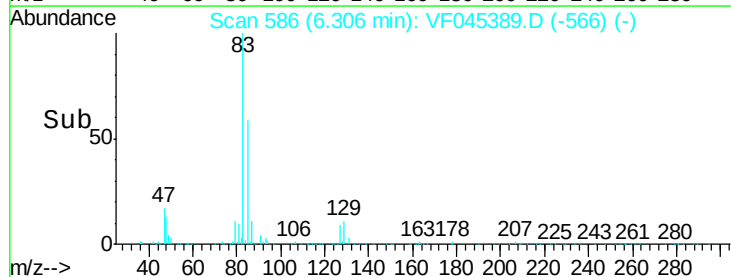
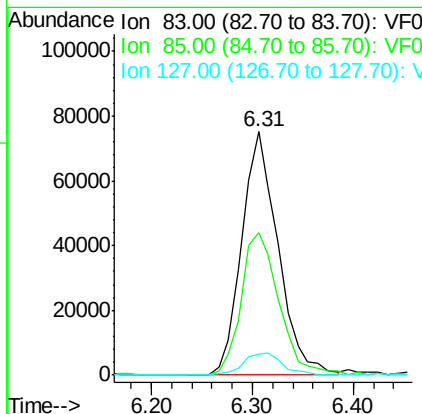
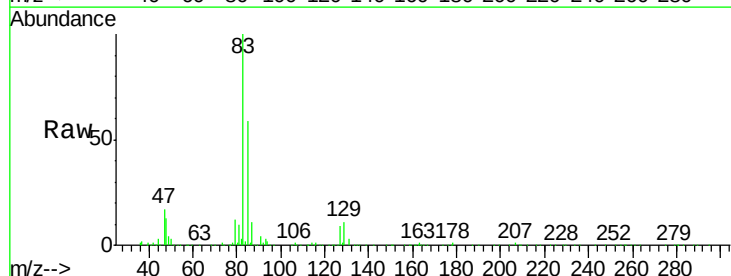
RT: 6.31 min Scan# 586

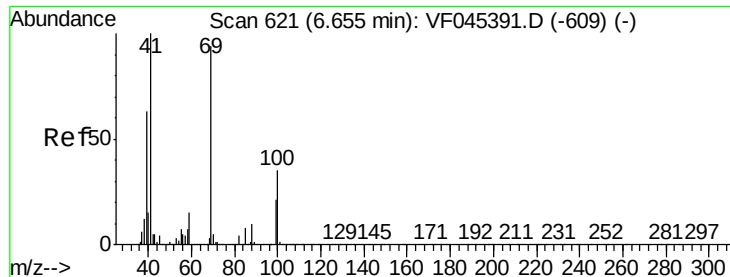
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	83	Resp:	187380
Ion	Ratio	Lower	Upper
83	100		
85	58.6	50.6	75.8
127	8.8	7.7	11.5





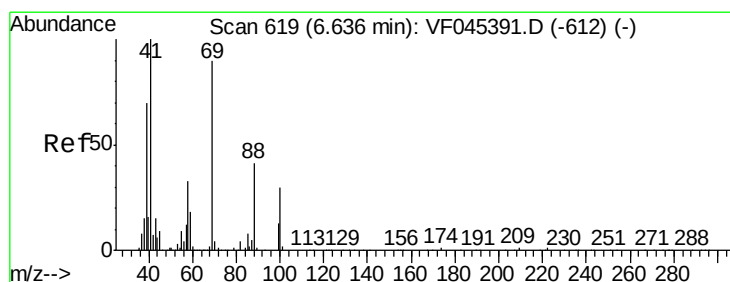
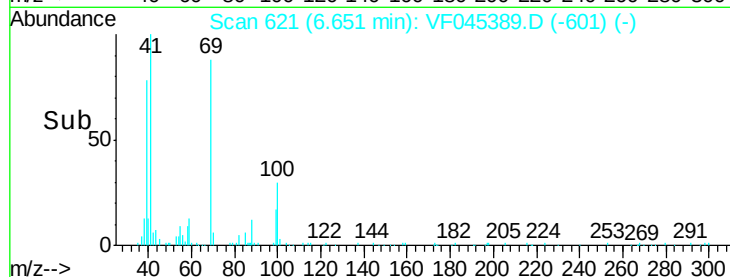
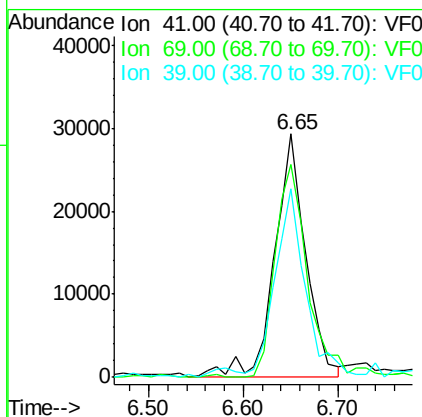
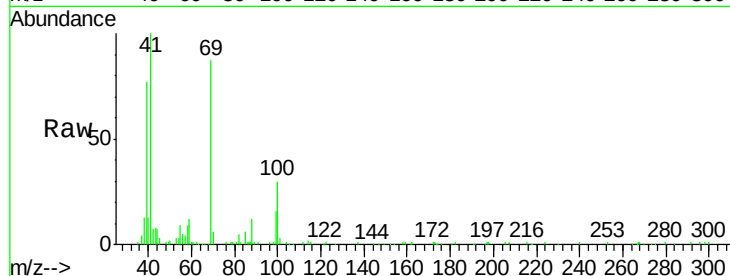
#47
Methyl methacrylate
Concen: 8.76 ug/l
RT: 6.65 min Scan# 621
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100	67545		
69	87.4	63.3	94.9	
39	77.4	48.9	73.3#	

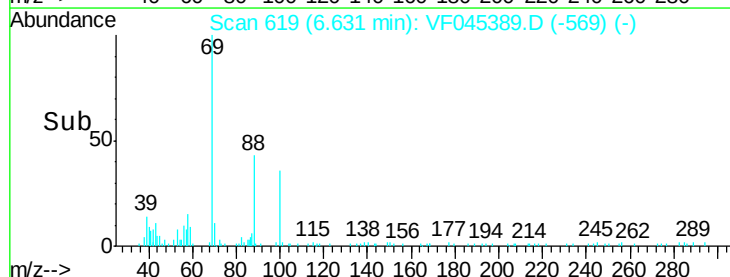
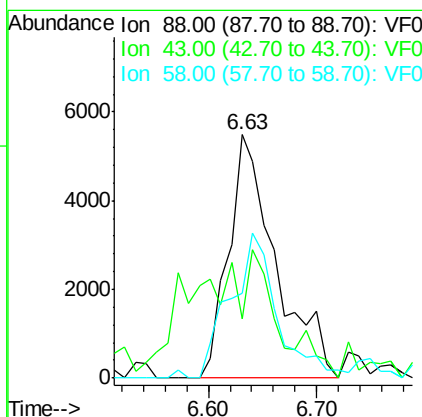
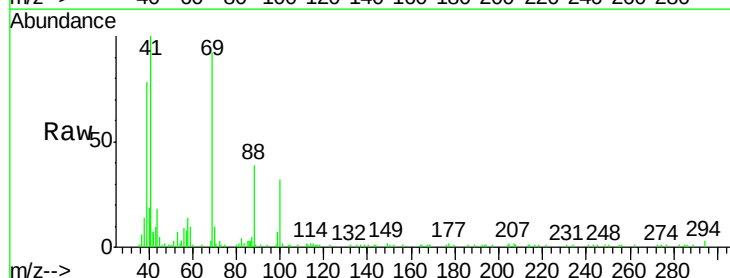
Manual Integrations
APPROVED

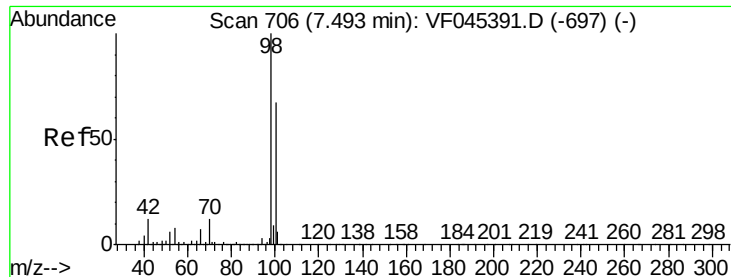
MMDadoda
9/17/2015 12:50:40 PM



#48
1,4-Dioxane
Concen: 212.90 ug/l
RT: 6.63 min Scan# 619
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	16701		
43	24.2	34.5	51.7#	
58	34.9	46.5	69.7#	





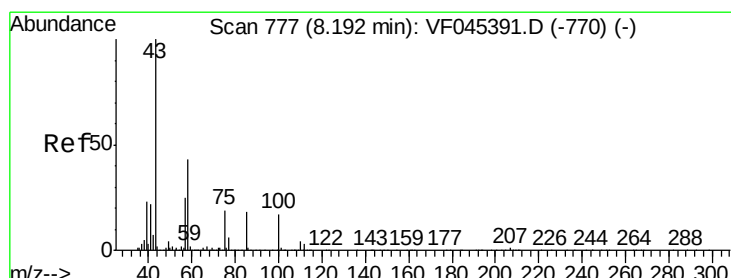
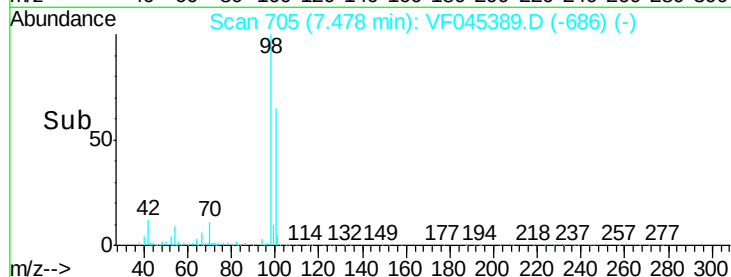
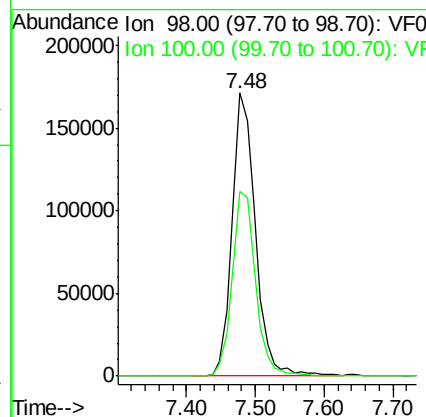
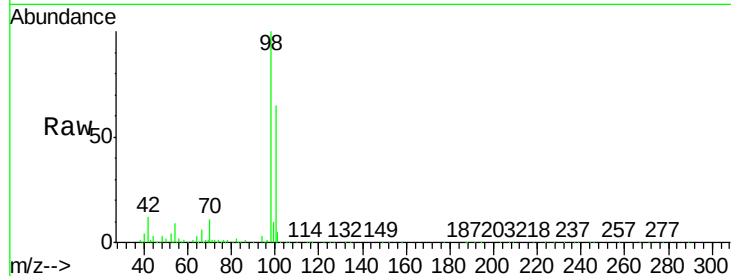
#49
Toluene-d8
Concen: 10.22 ug/l
RT: 7.48 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.1	54.4	81.6

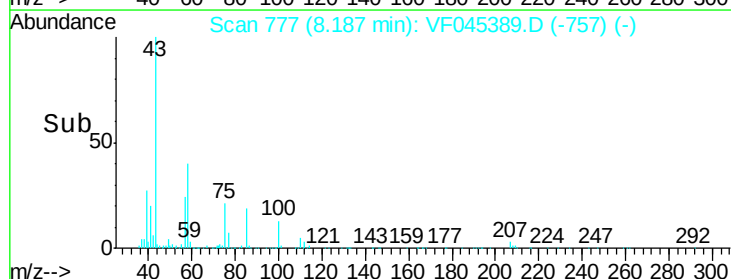
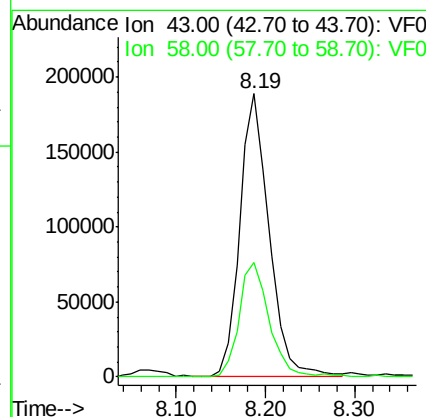
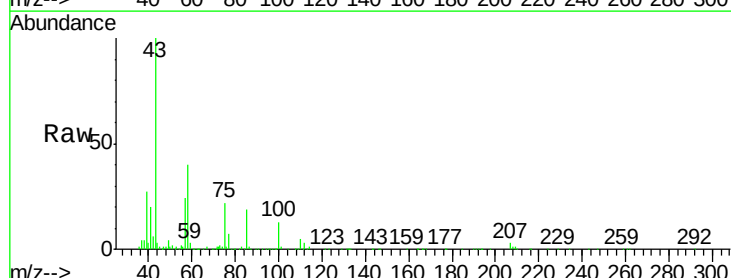
Manual Integrations
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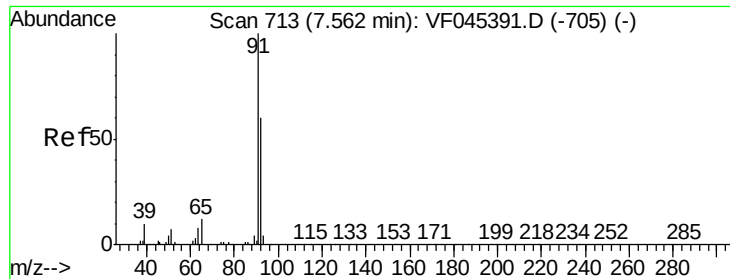
MMDadoda
9/17/2015 12:50:40 PM



#50
4-Methyl-2-Pentanone
Concen: 44.99 ug/l
RT: 8.19 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	33.6	50.4





#51

Toluene

Concen: 12.04 ug/l

RT: 7.55 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 92 Resp: 336609

Ion Ratio Lower Upper

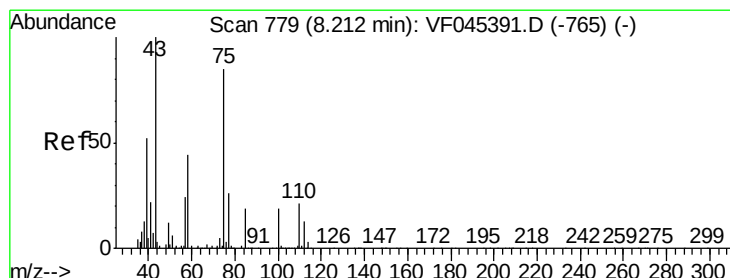
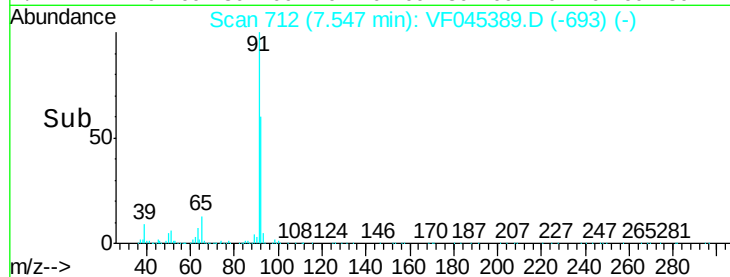
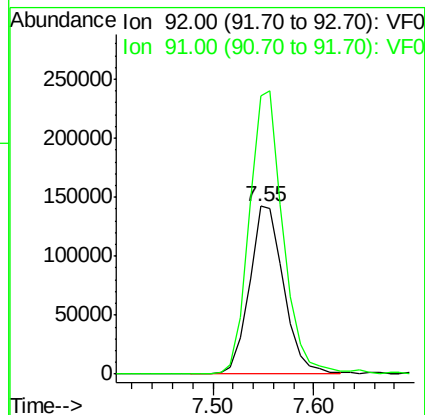
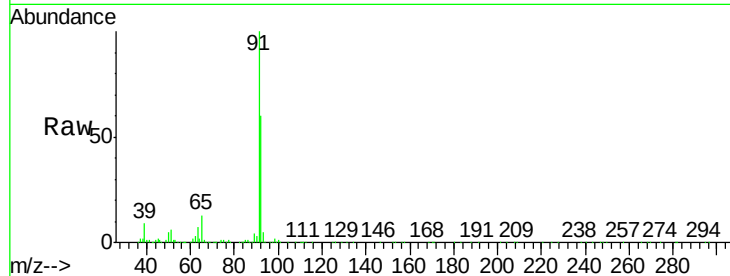
92 100

91 166.4 133.4 200.0

Manual Integrations
APPROVED

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#52

t-1,3-Dichloropropene

Concen: 10.62 ug/l

RT: 8.21 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF045389.D

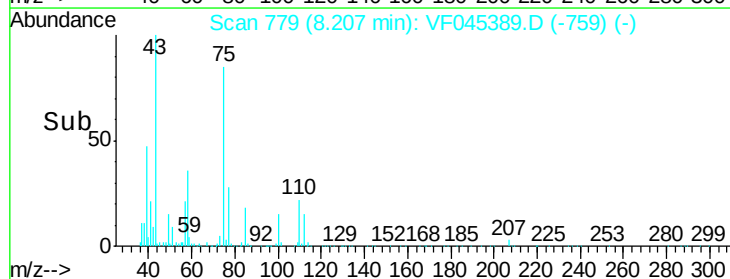
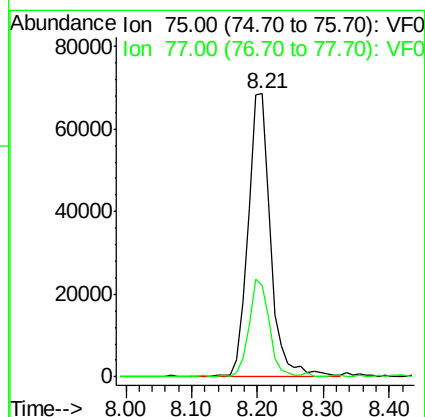
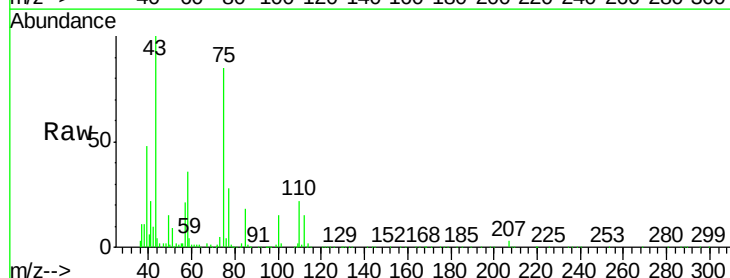
Acq: 16 Sep 2015 13:43

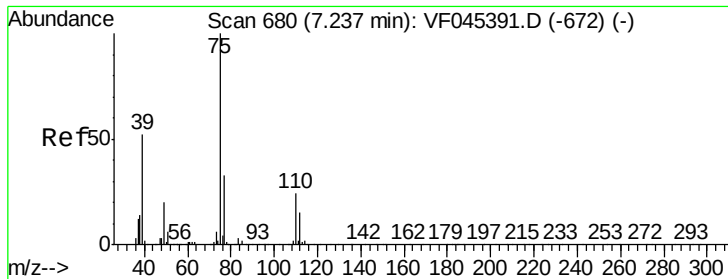
Tgt Ion: 75 Resp: 164881

Ion Ratio Lower Upper

75 100

77 32.5 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 10.47 ug/l

RT: 7.22 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

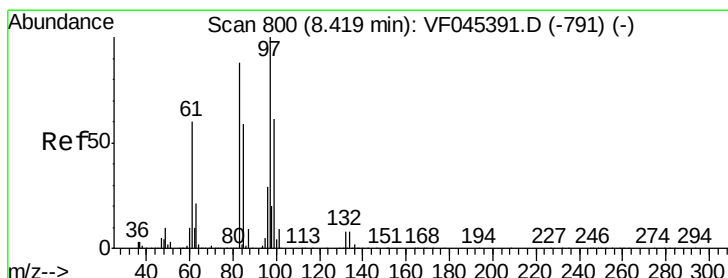
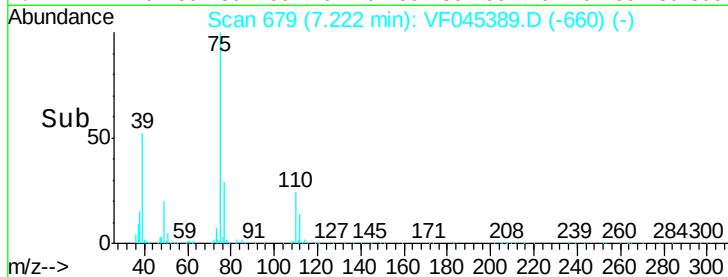
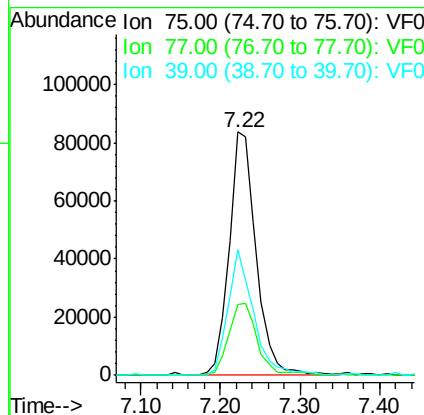
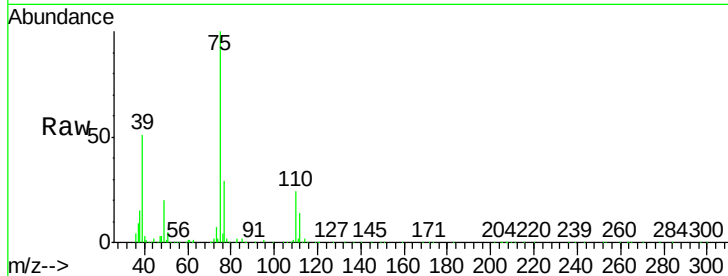
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	198474
Ion Ratio	Lower	Upper	
75	100		
77	28.9	25.5	38.3
39	51.4	41.6	62.4

Manual Integrations
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9/17/2015 12:50:40 PM



#54

1,1,2-Trichloroethane

Concen: 10.84 ug/l

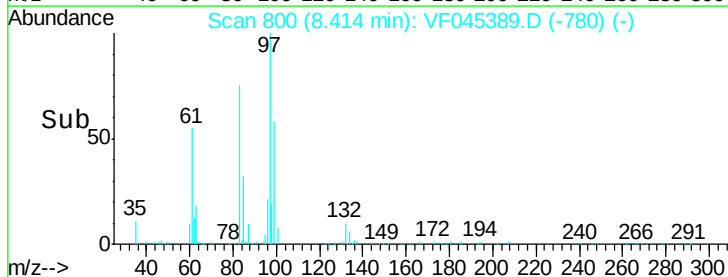
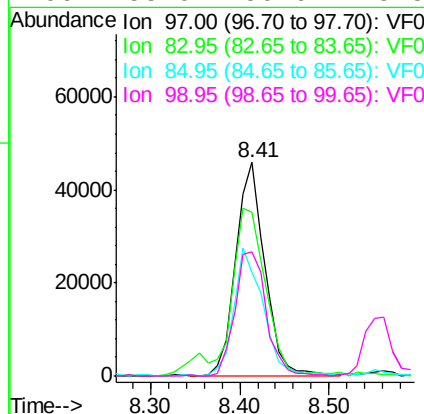
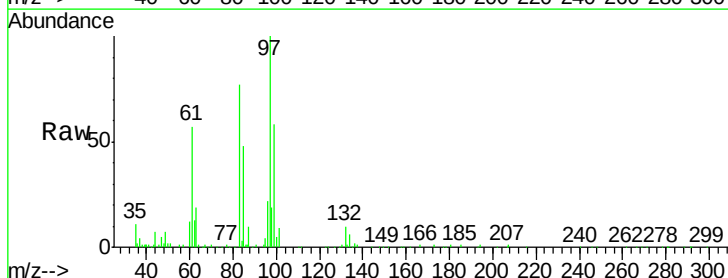
RT: 8.41 min Scan# 800

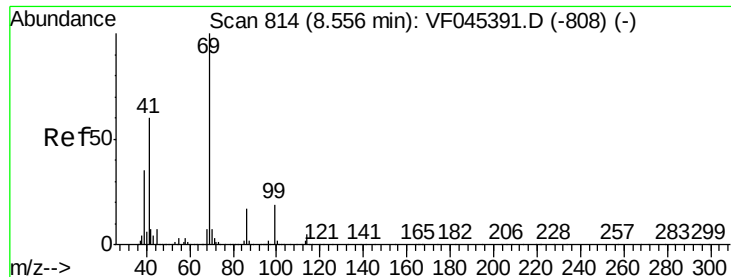
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	97	Resp:	105005
Ion Ratio	Lower	Upper	
97	100		
83	76.9	70.1	105.1
85	48.4	47.4	71.2
99	58.0	50.6	75.8





#55

Ethyl methacrylate

Concen: 10.05 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

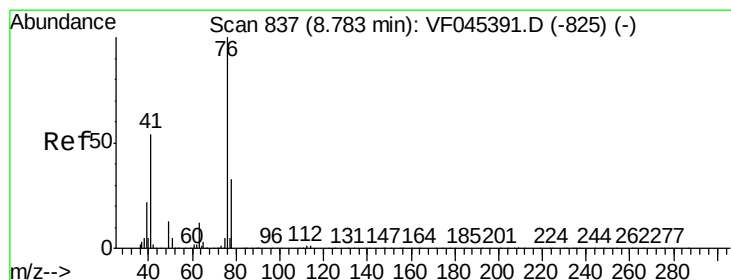
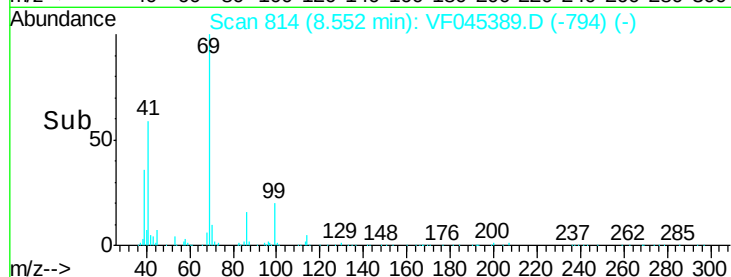
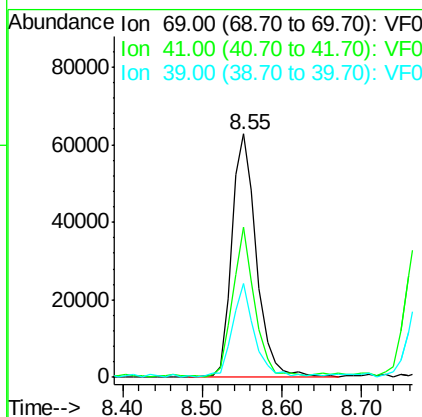
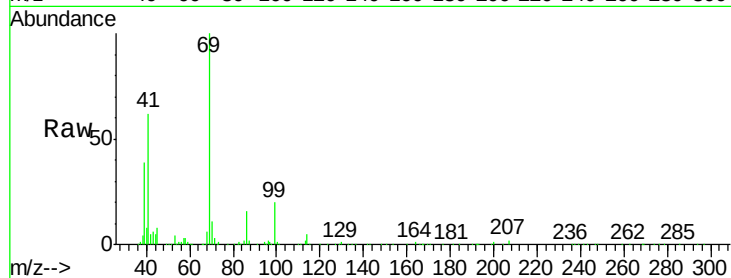
ClientSampleId :

VSTDIC010

Tot Ion:	69	Resp:	135720
Ion Ratio	Lower	Upper	
69	100		
41	61.8	51.0	76.4
39	38.6	29.1	43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 10.41 ug/l

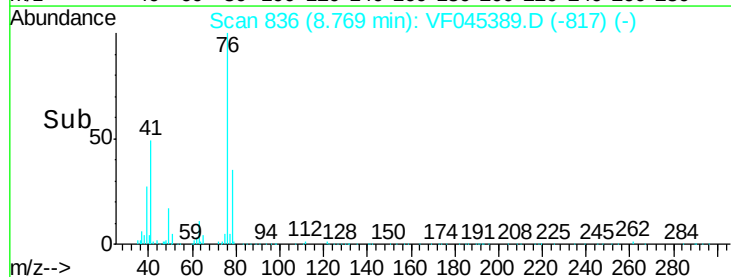
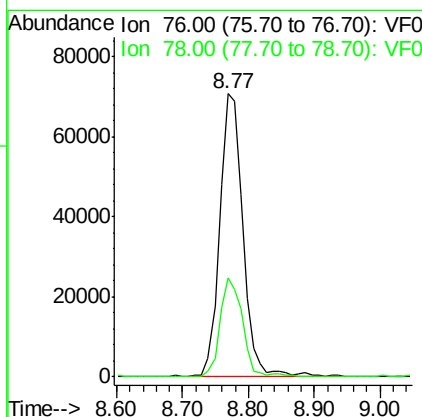
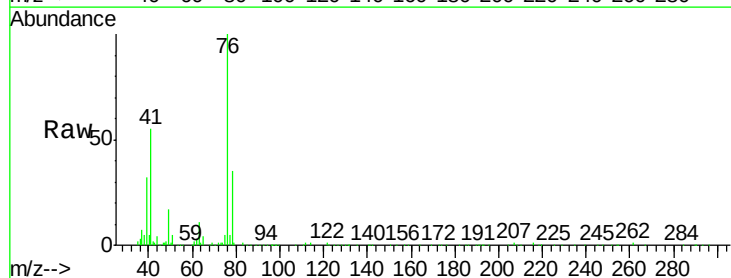
RT: 8.77 min Scan# 836

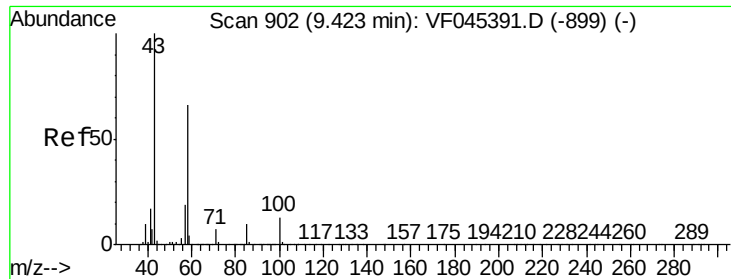
Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	76	Resp:	174669
Ion Ratio	Lower	Upper	
76	100		
78	35.0	26.1	39.1





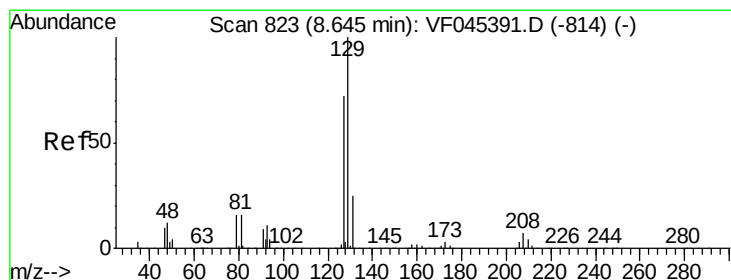
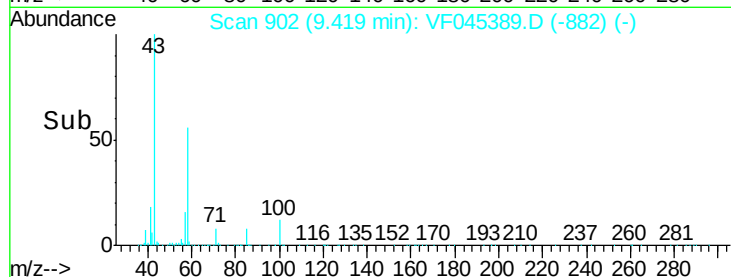
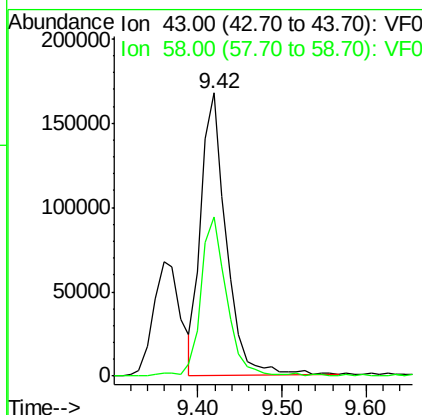
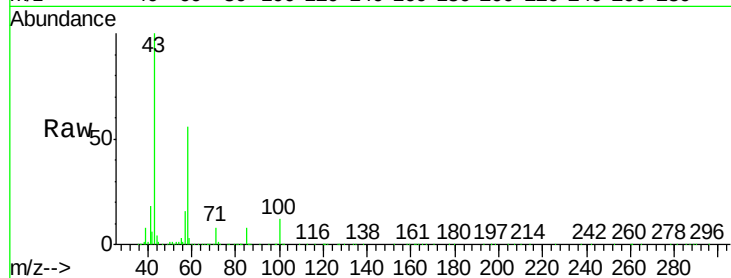
#58
2-Hexanone
Concen: 46.29 ug/l
RT: 9.42 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	28.8	86.5

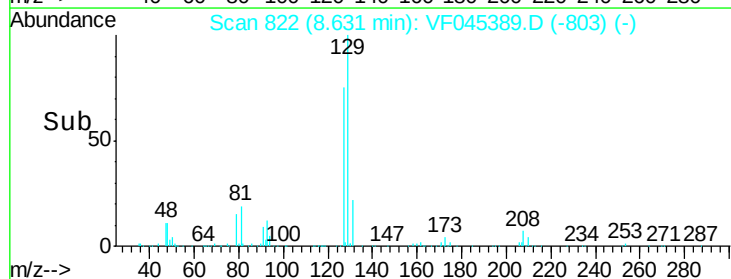
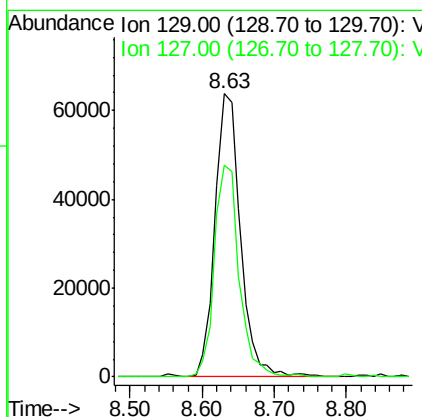
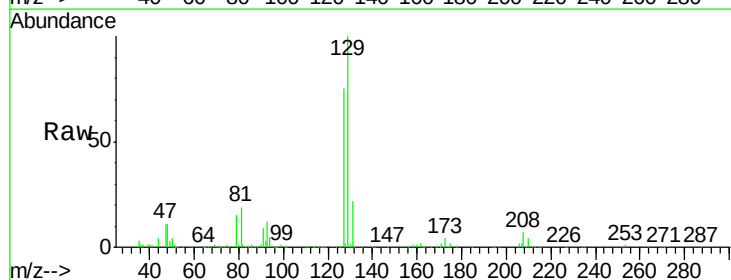
Manual Integrations
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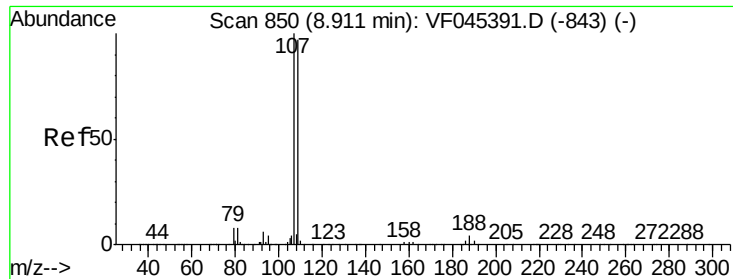
MMDadoda
9/17/2015 12:50:40 PM



#59
Dibromochloromethane
Concen: 12.72 ug/l
RT: 8.63 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	38.2	114.6





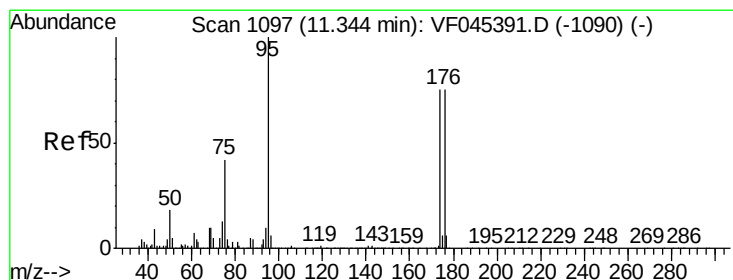
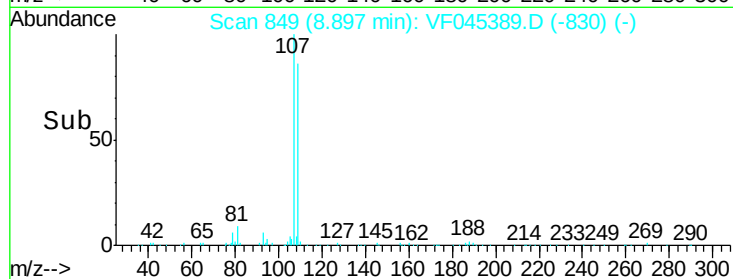
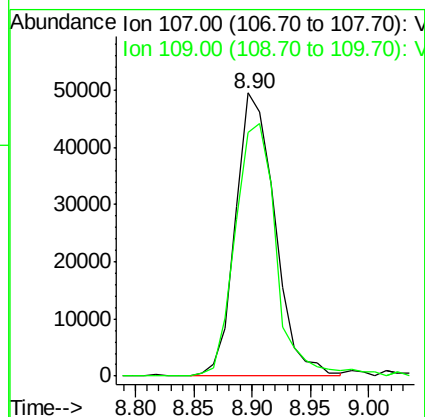
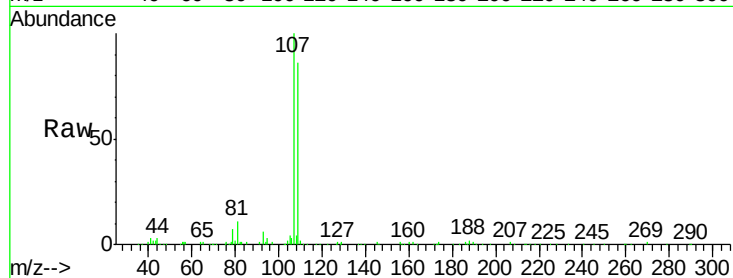
#60
 1,2-Dibromoethane
 Concen: 10.67 ug/l
 RT: 8.90 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.2	79.4	119.0

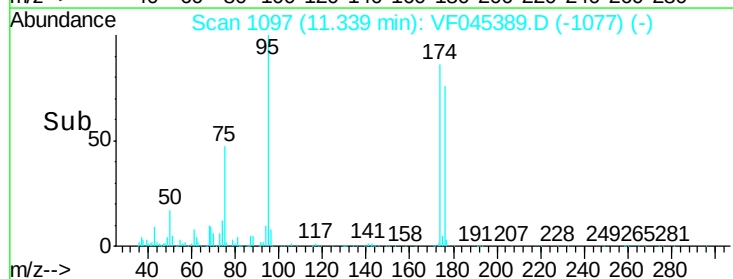
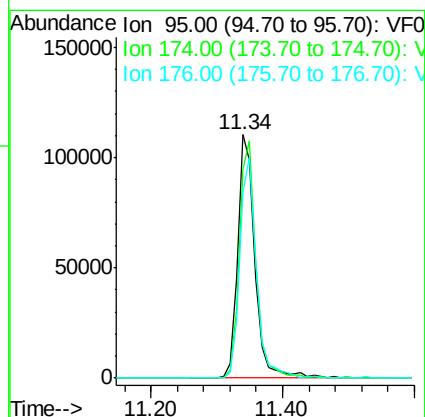
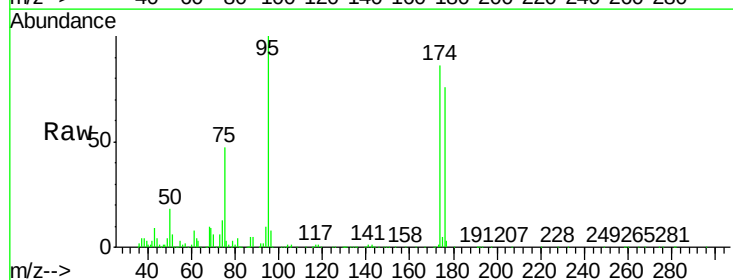
Manual Integrations
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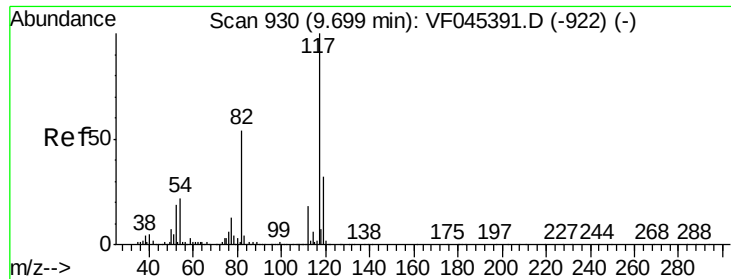
MMDadoda
 9/17/2015 12:50:40 PM



#61
 4-Bromofluorobenzene
 Concen: 11.24 ug/l
 RT: 11.34 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	177.8
176	76.3	0.0	176.2





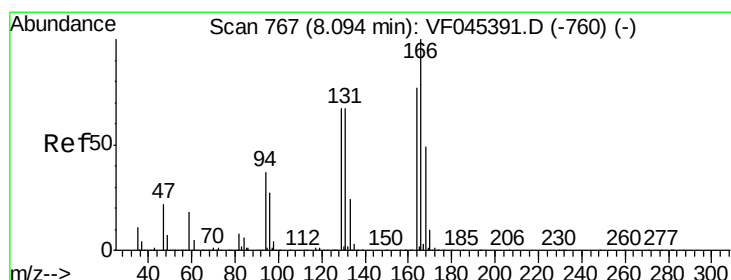
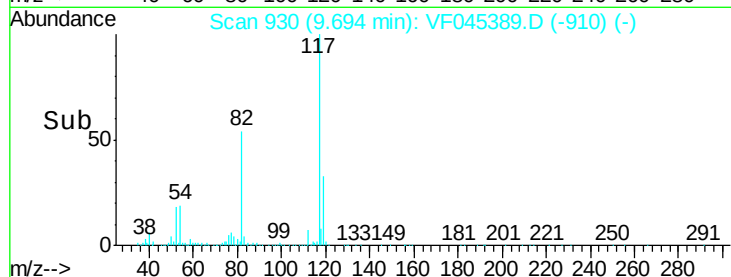
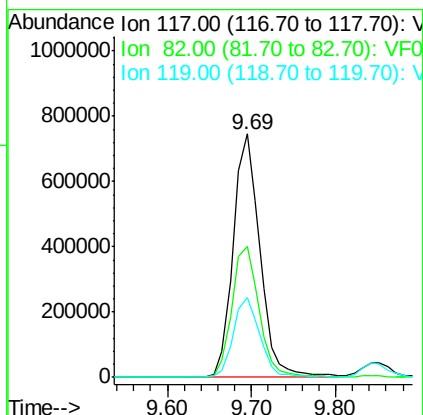
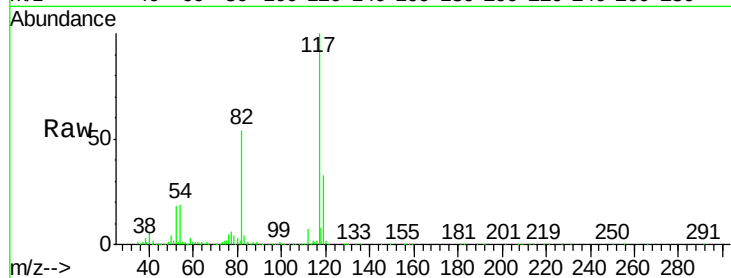
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.6
119	32.8	26.2	39.4

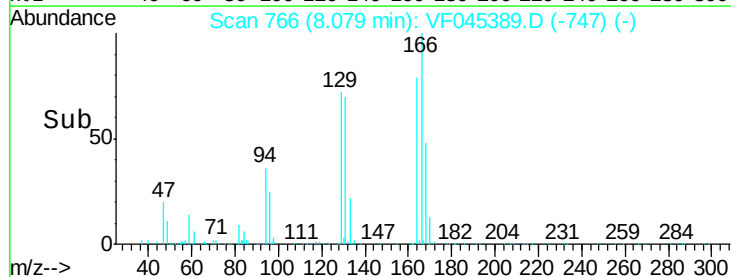
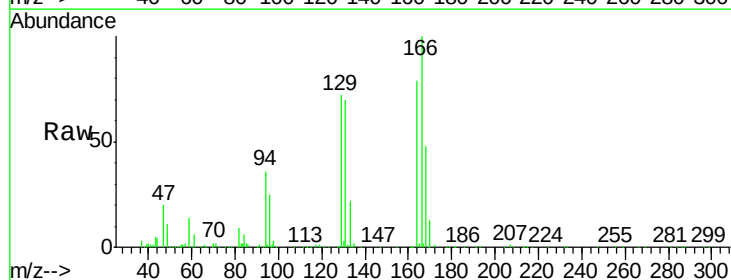
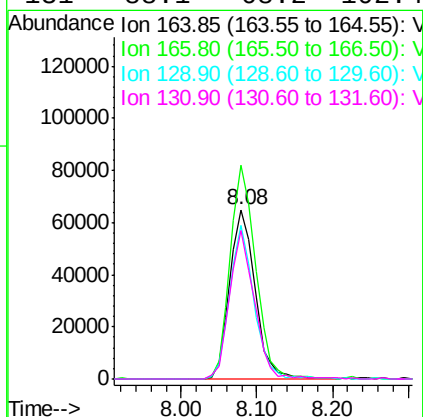
Manual Integrations
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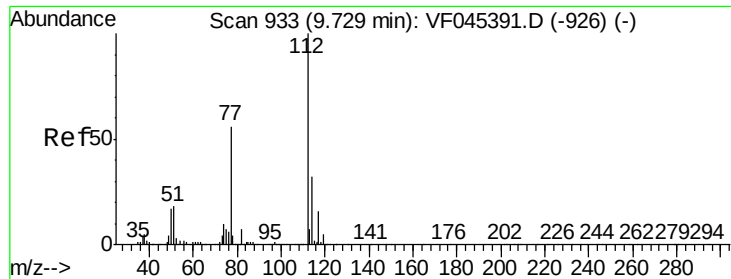
MMDadoda
9/17/2015 12:50:40 PM



#63
Tetrachloroethene
Concen: 13.35 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	106.0	159.0
129	90.7	69.8	104.6
131	88.1	68.2	102.4





#64

Chlorobenzene

Concen: 11.12 ug/l

RT: 9.71 min Scan# 932

Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 377373

Ion Ratio Lower Upper

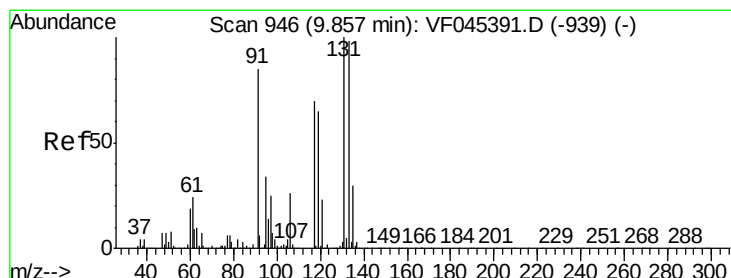
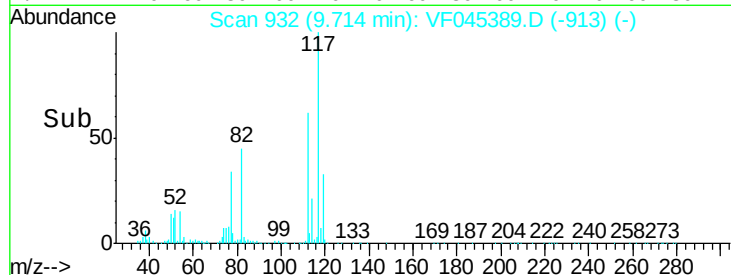
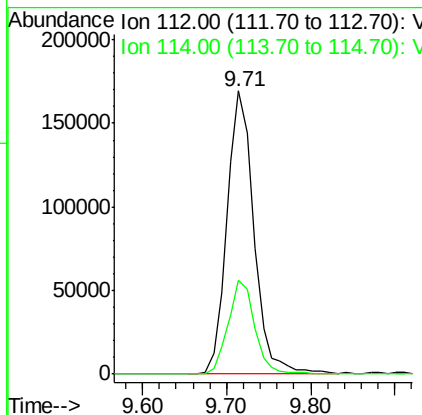
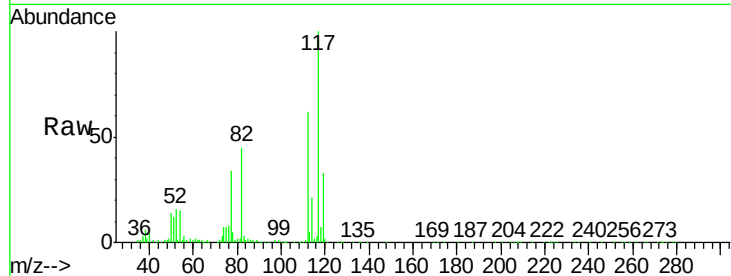
112 100

114 33.4 25.6 38.4

Manual Integrations
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#65

1,1,1,2-Tetrachloroethane

Concen: 11.41 ug/l

RT: 9.84 min Scan# 945

Delta R.T. -0.01 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

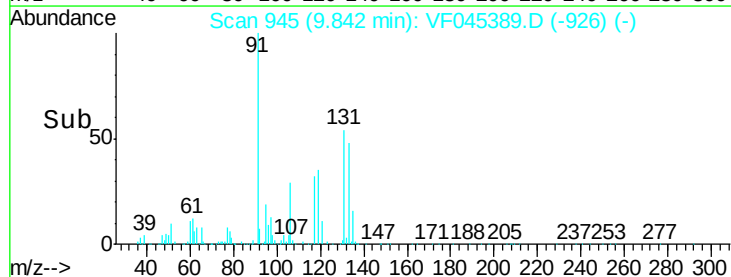
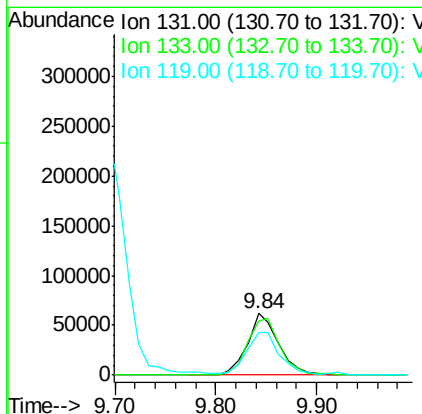
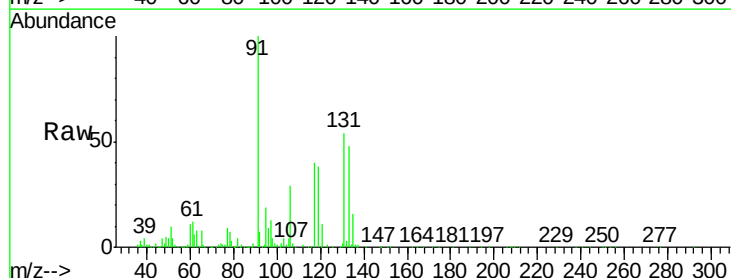
Tgt Ion:131 Resp: 133094

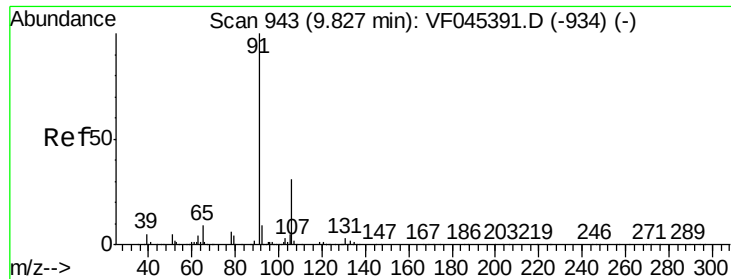
Ion Ratio Lower Upper

131 100

133 87.7 48.1 144.4

119 69.7 34.8 104.5





#66

Ethyl Benzene

Concen: 11.34 ug/l

RT: 9.82 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 683798

Ion Ratio Lower Upper

91 100

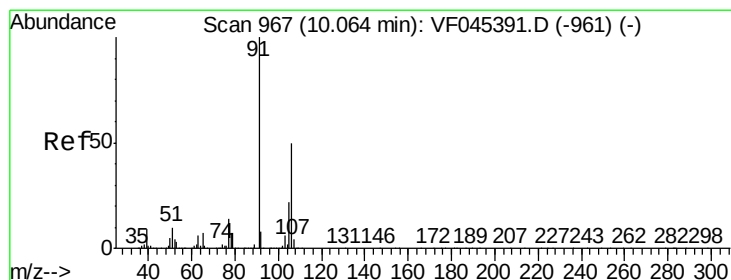
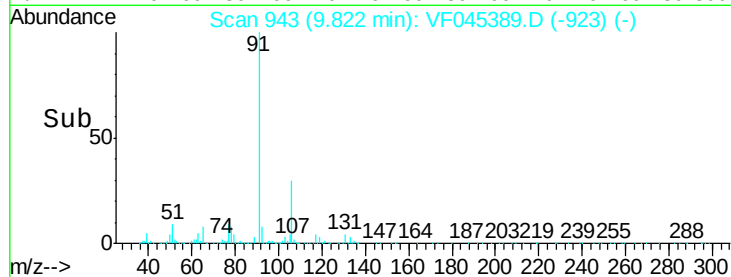
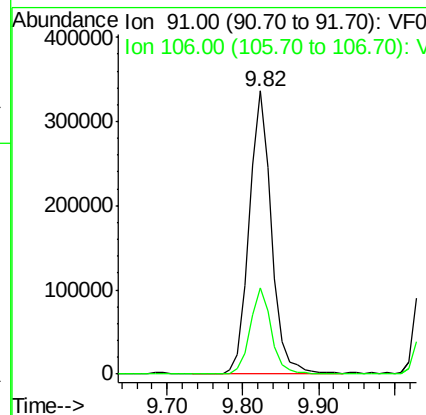
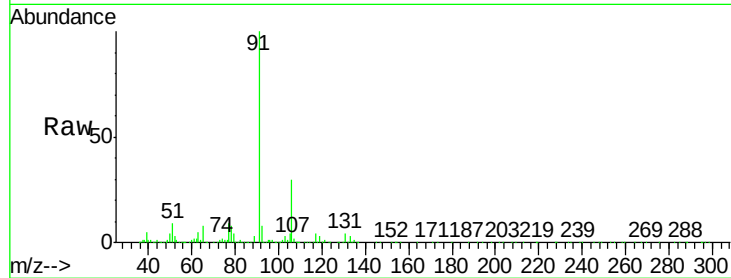
106 30.5 23.6 35.4

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#67

m/p-Xylenes

Concen: 23.47 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF045389.D

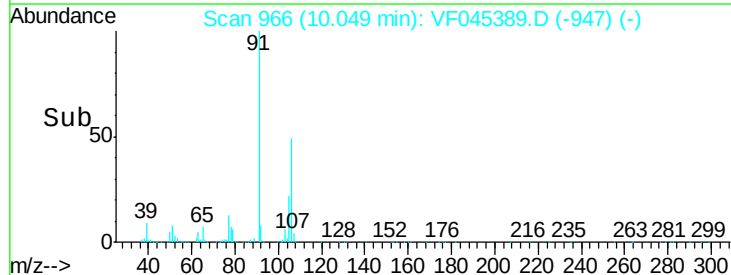
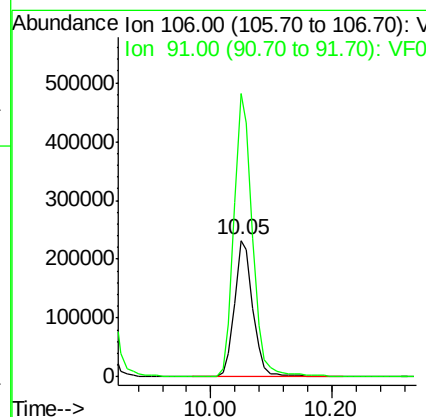
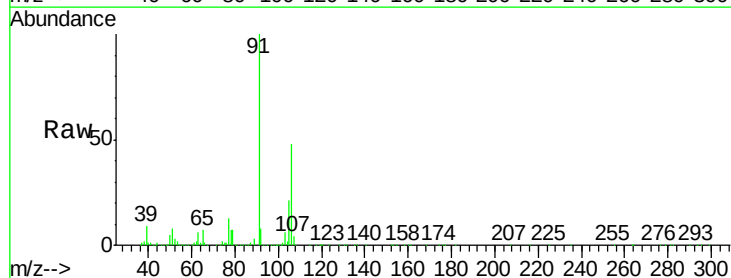
Acq: 16 Sep 2015 13:43

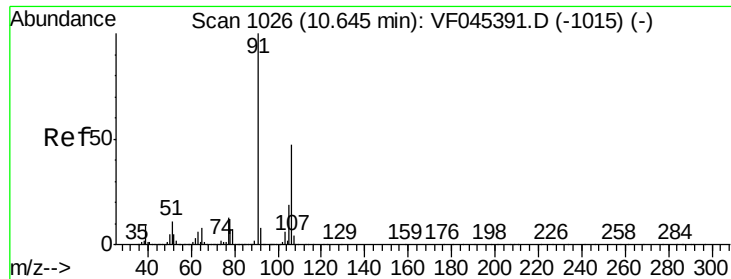
Tgt Ion: 106 Resp: 490444

Ion Ratio Lower Upper

106 100

91 207.2 166.1 249.1





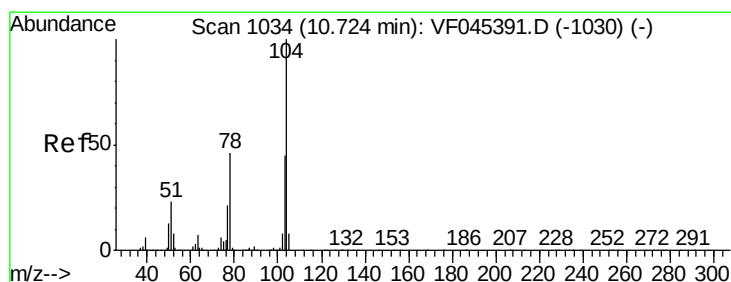
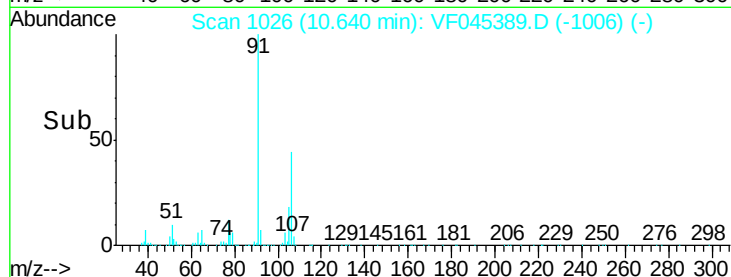
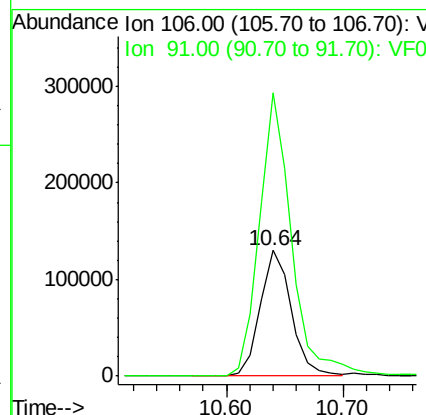
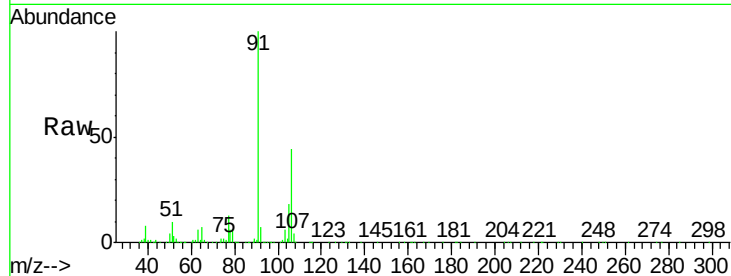
#68
o-Xylene
Concen: 11.02 ug/l
RT: 10.64 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 241180
Ion Ratio Lower Upper
106 100
91 225.7 108.1 324.2

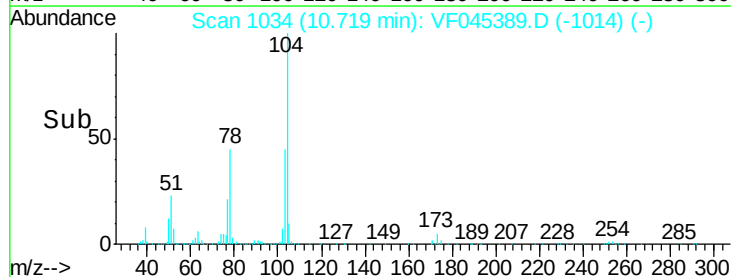
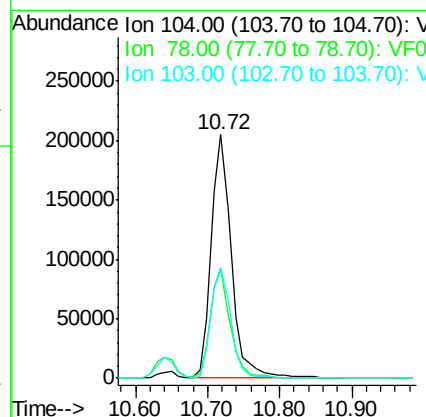
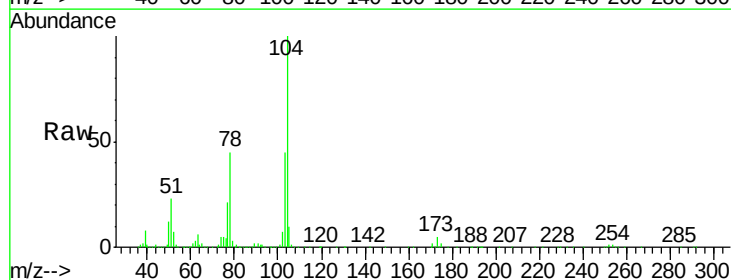
Manual Integrations
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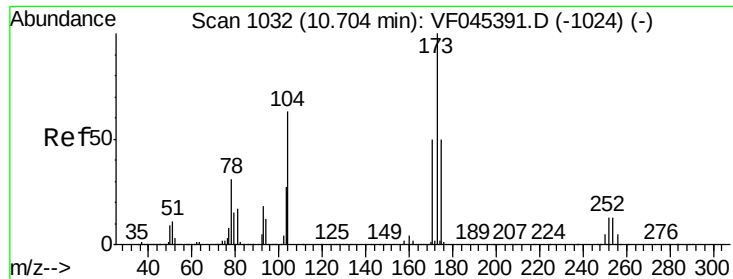
MMDadoda
9/17/2015 12:50:40 PM



#69
Styrene
Concen: 11.20 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion:104 Resp: 393089
Ion Ratio Lower Upper
104 100
78 44.9 34.2 51.4
103 45.2 36.7 55.1





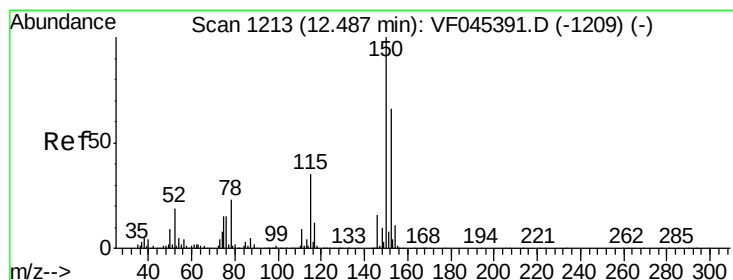
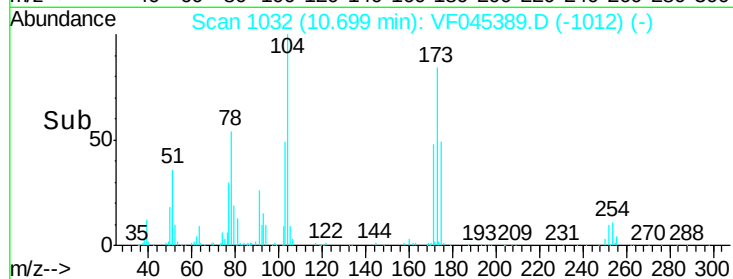
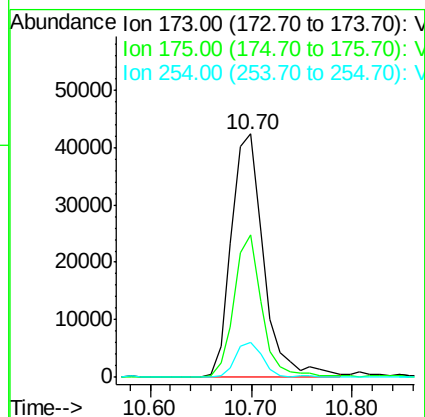
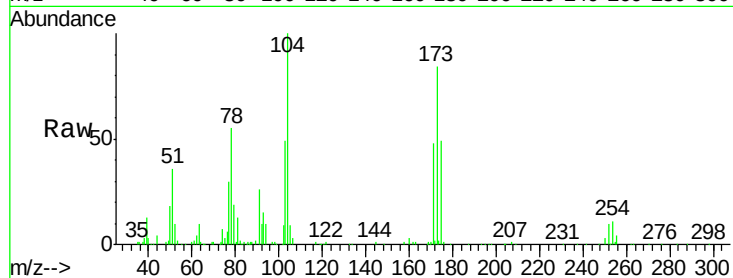
#70
Bromoform
Concen: 11.47 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	56.9	25.7	77.0
254	13.9	9.8	14.6

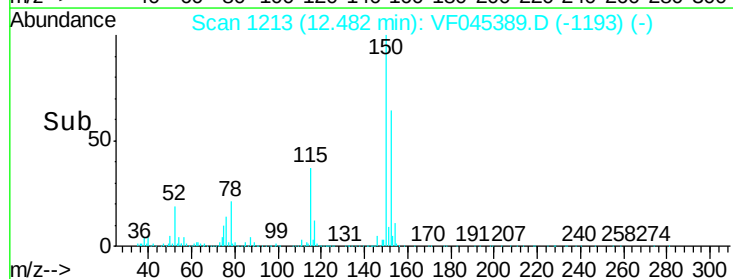
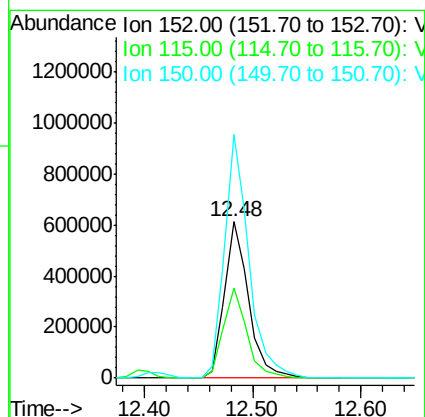
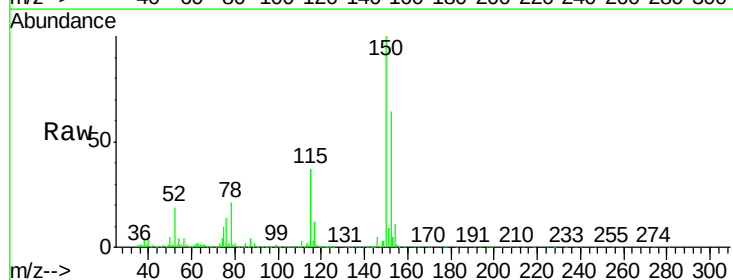
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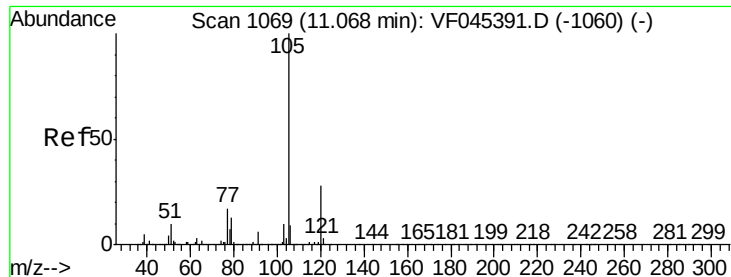
MMDadoda
9/17/2015 12:50:40 PM



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.48 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.3	85.0
150	155.7	0.0	324.2





#72

Isopropylbenzene

Concen: 10.14 ug/l

RT: 11.06 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 707022

Ion Ratio Lower Upper

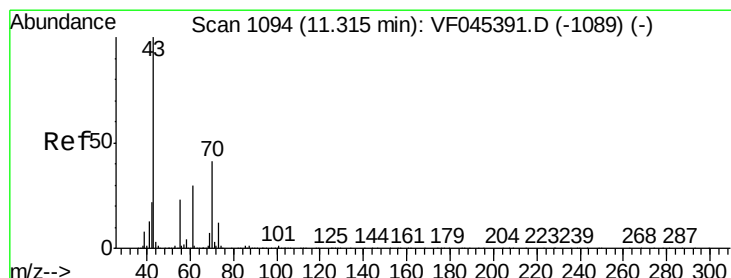
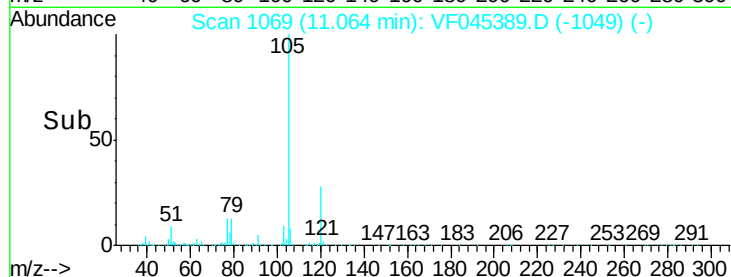
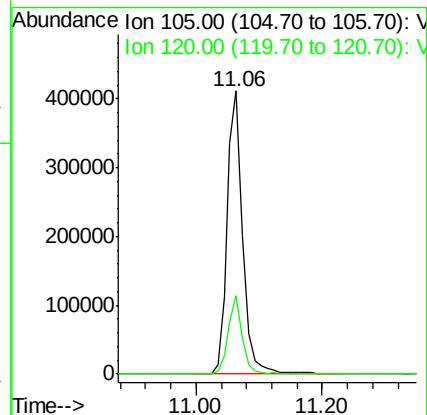
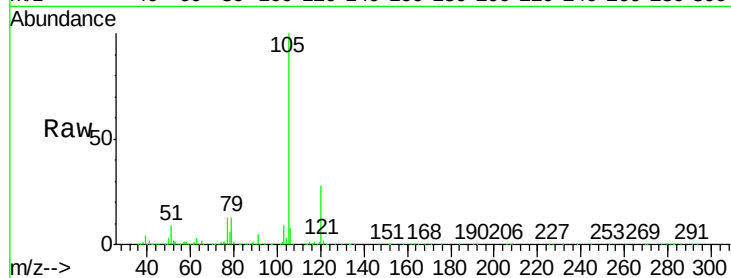
105 100

120 27.8 13.0 39.0

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#73

N-ethyl acetate

Concen: 7.37 ug/l

RT: 11.31 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion: 43 Resp: 177531

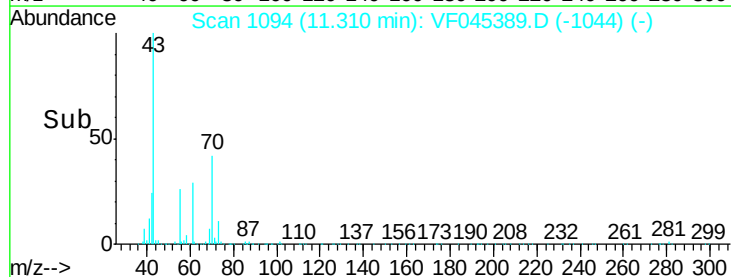
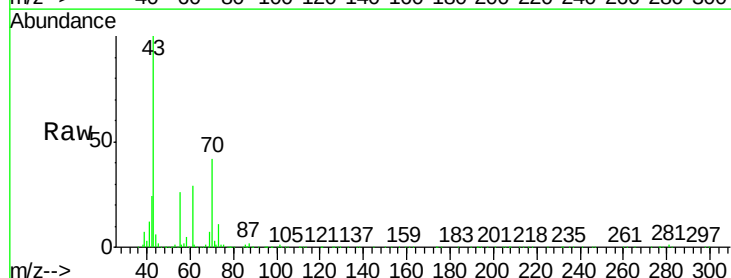
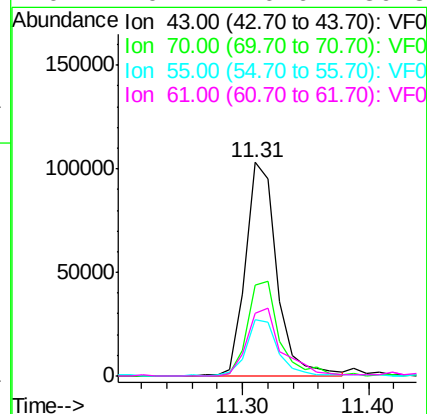
Ion Ratio Lower Upper

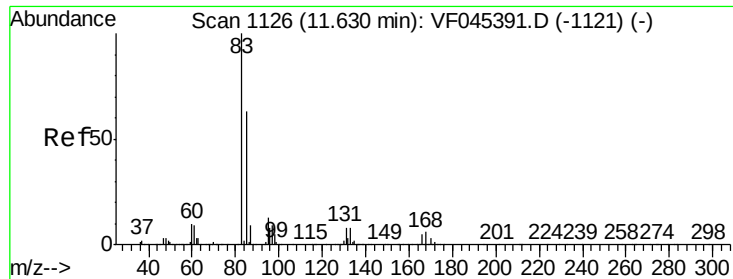
43 100

70 42.5 30.0 45.0

55 26.3 16.8 25.2#

61 29.1 20.6 30.8





#74

1,1,2,2-Tetrachloroethane

Concen: 9.37 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

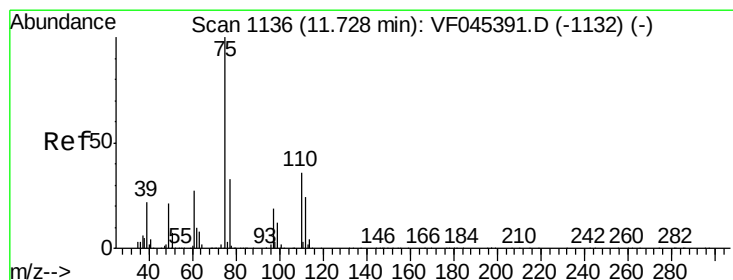
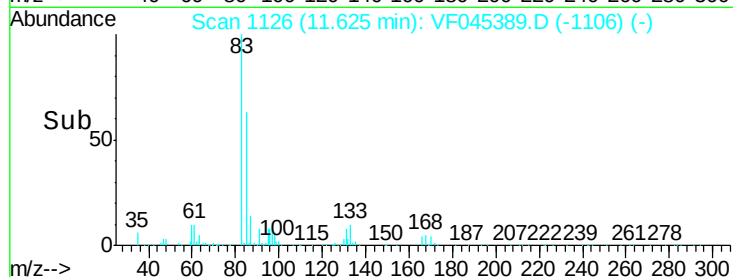
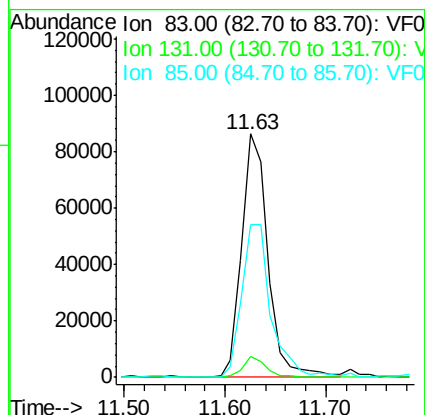
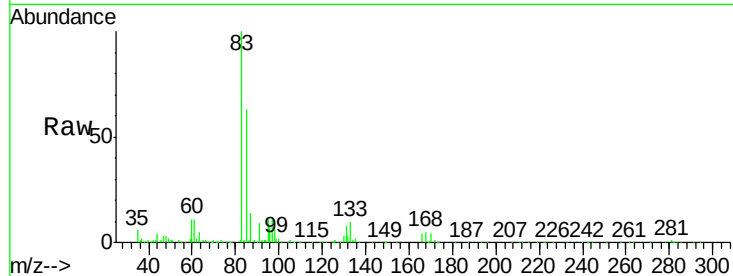
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	156843
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.6
85	62.9	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 9.61 ug/l

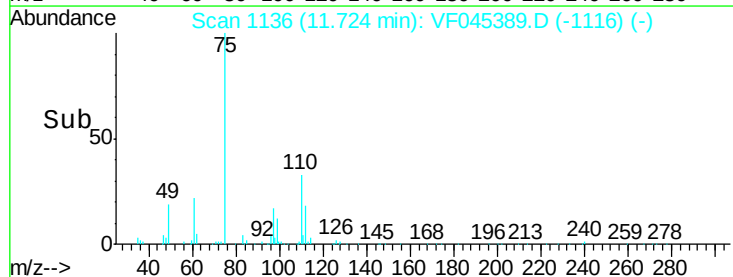
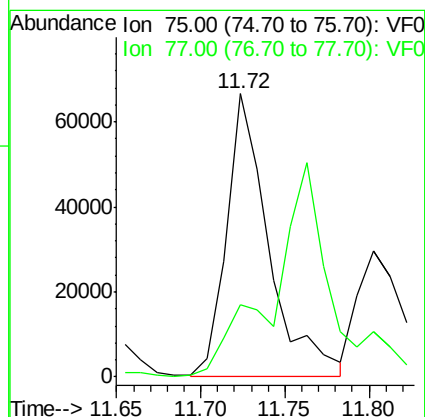
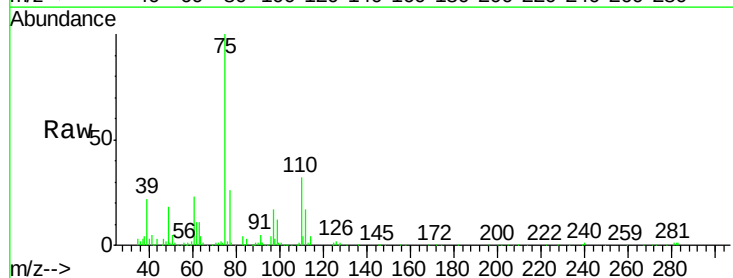
RT: 11.72 min Scan# 1136

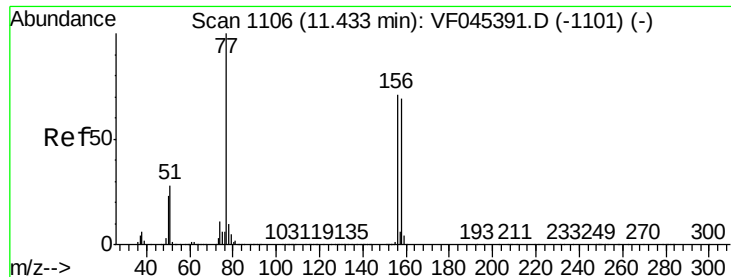
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	75	Resp:	115757
Ion Ratio	Lower	Upper	
75	100		
77	25.6	15.0	45.1





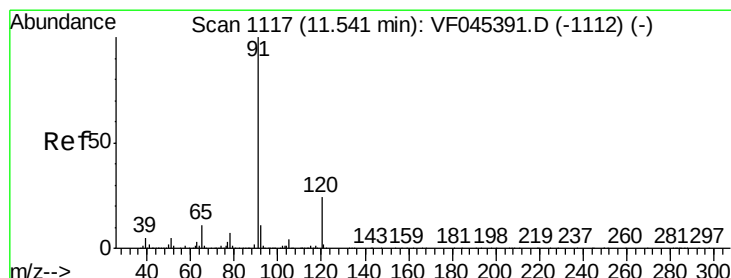
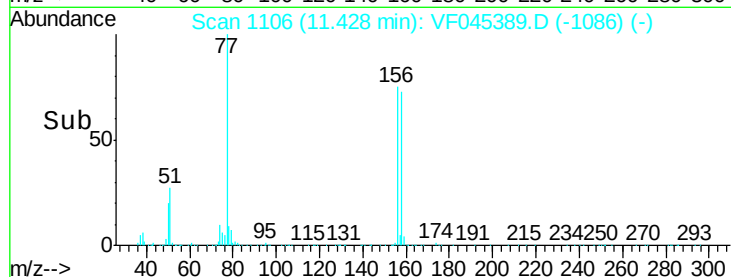
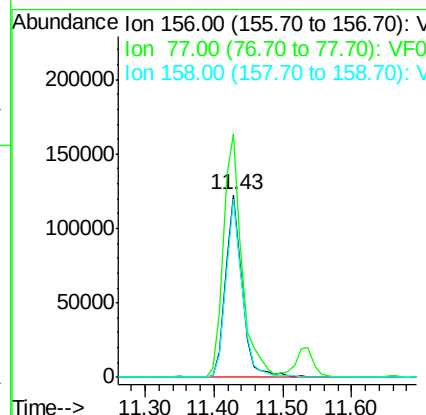
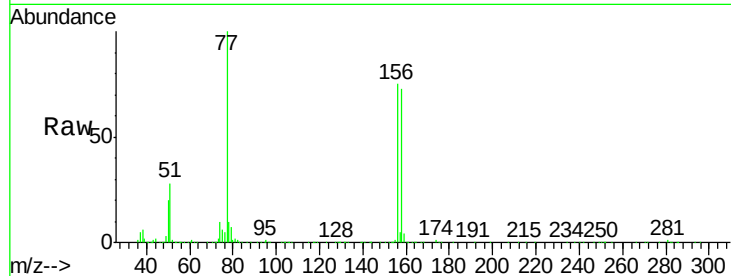
#76
Bromobenzene
Concen: 11.43 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.5	74.8	224.3
158	98.0	49.5	148.7

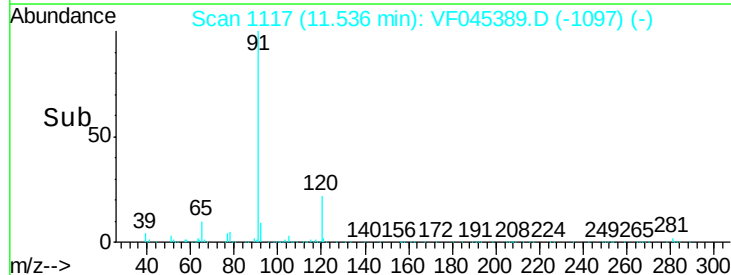
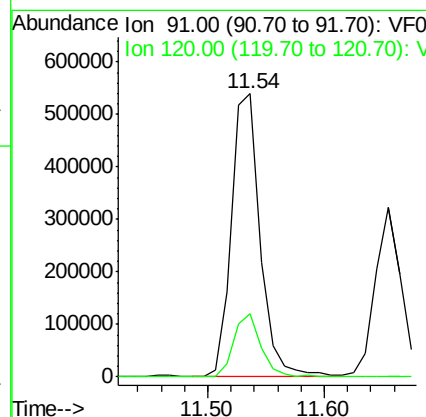
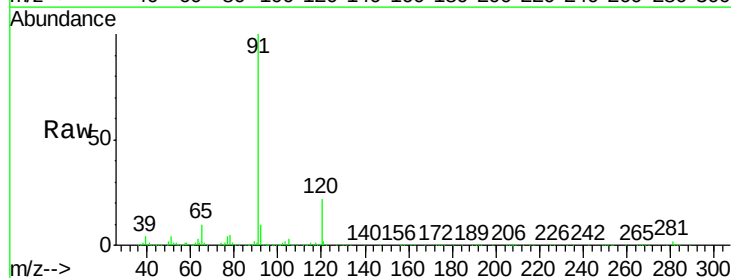
Manual Integrations
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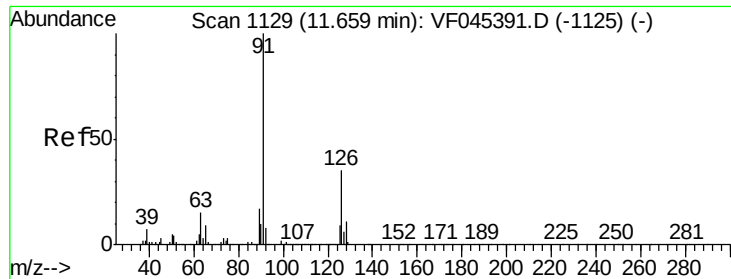
MMDadoda
9/17/2015 12:50:40 PM



#77
n-propylbenzene
Concen: 10.35 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.6	34.7





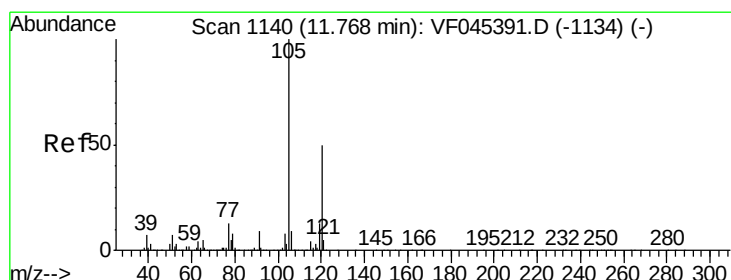
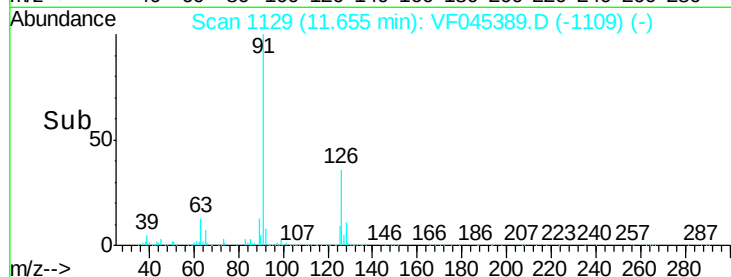
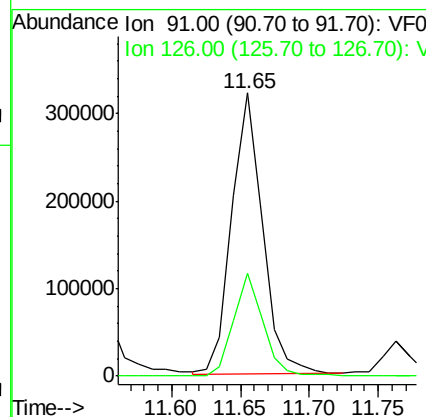
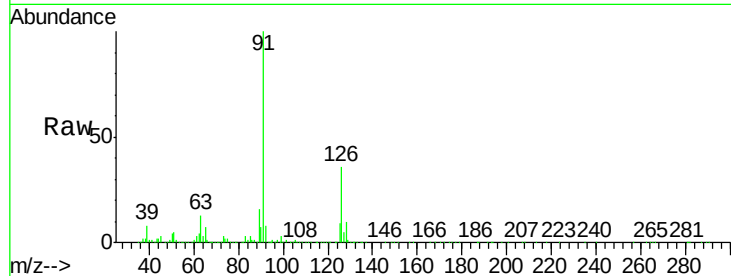
#78
 2-Chlorotoluene
 Concen: 10.06 ug/l
 RT: 11.65 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.2	16.9	50.7

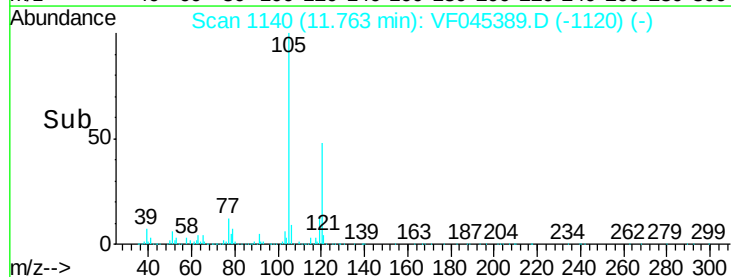
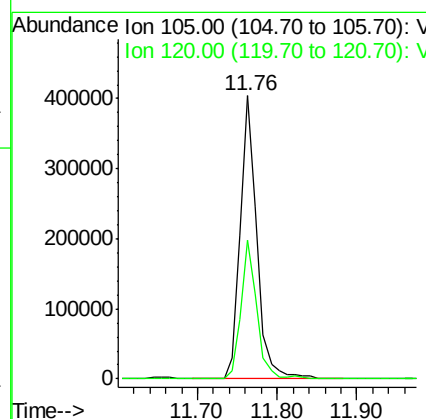
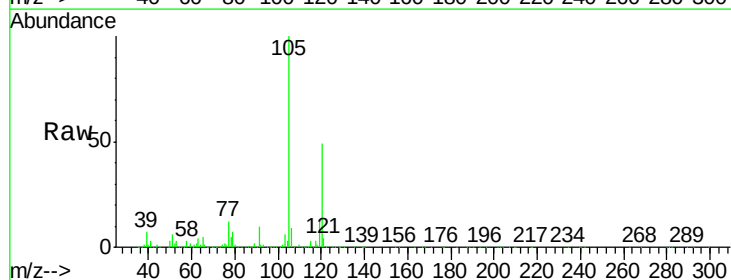
Manual Integrations
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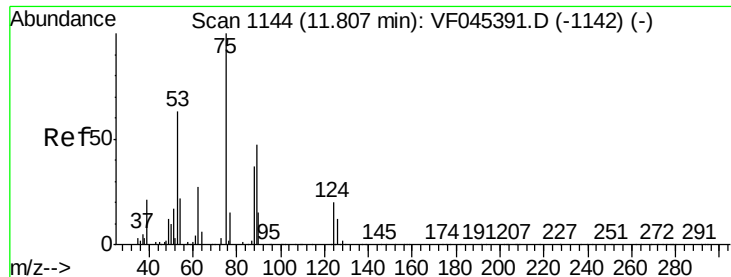
MMDadoda
 9/17/2015 12:50:40 PM



#79
 1,3,5-Trimethylbenzene
 Concen: 10.63 ug/l
 RT: 11.76 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	25.2	75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 8.56 ug/l m

RT: 11.80 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

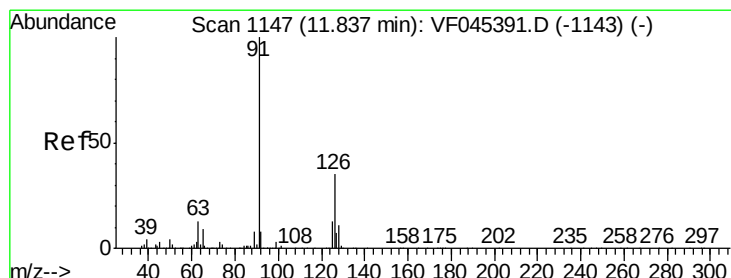
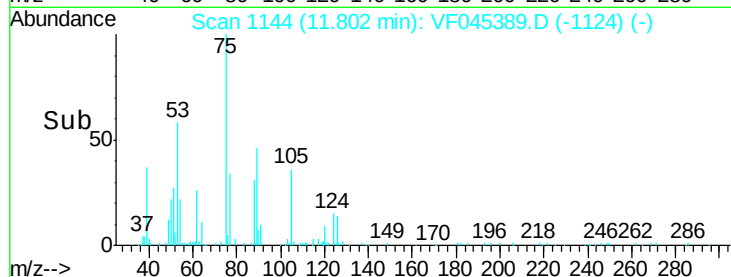
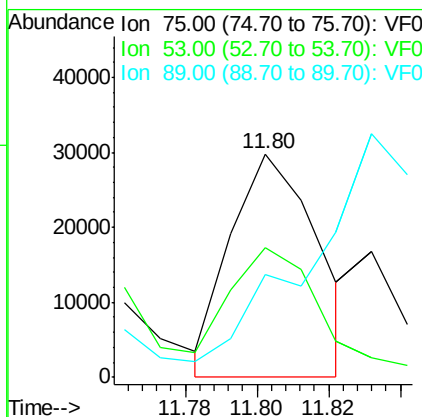
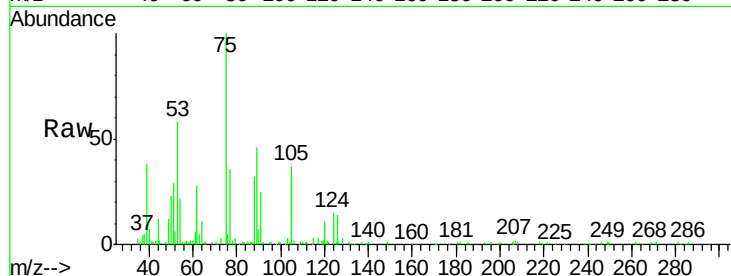
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	50333
Ion Ratio	Lower	Upper	
75	100		
53	58.2	51.0	76.6
89	46.1	38.6	57.8

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#81

4-Chlorotoluene

Concen: 10.11 ug/l

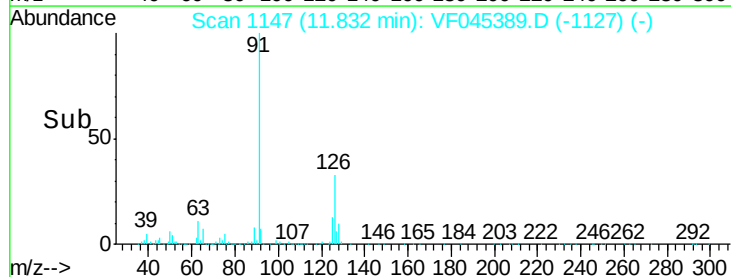
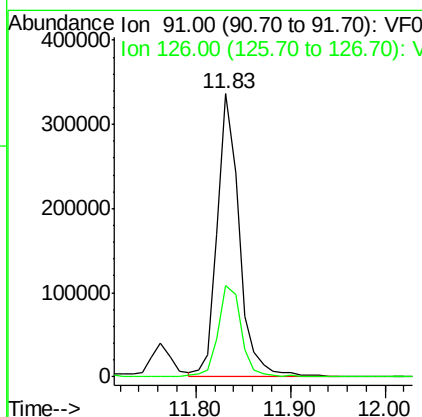
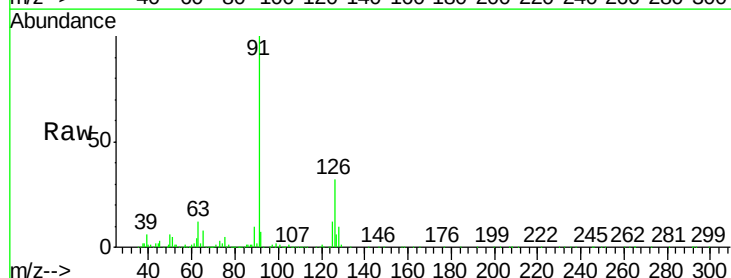
RT: 11.83 min Scan# 1147

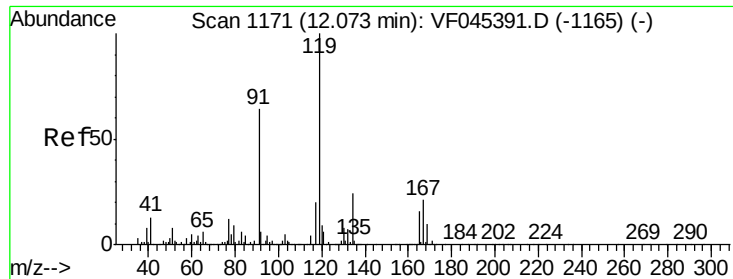
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	91	Resp:	537908
Ion Ratio	Lower	Upper	
91	100		
126	32.1	15.8	47.4





#82

tert-Butylbenzene

Concen: 10.80 ug/l

RT: 12.07 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Instrument :

MSVOA_F

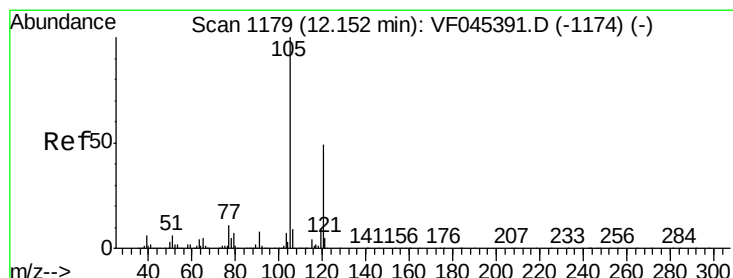
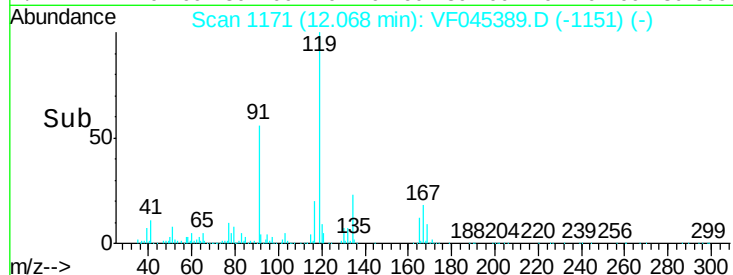
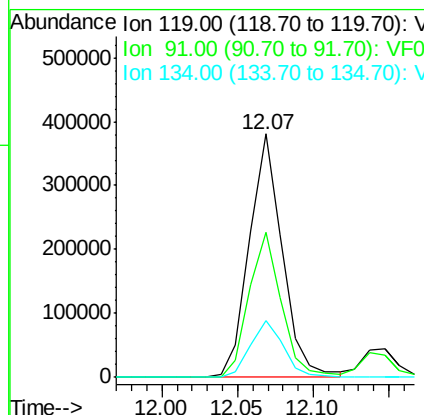
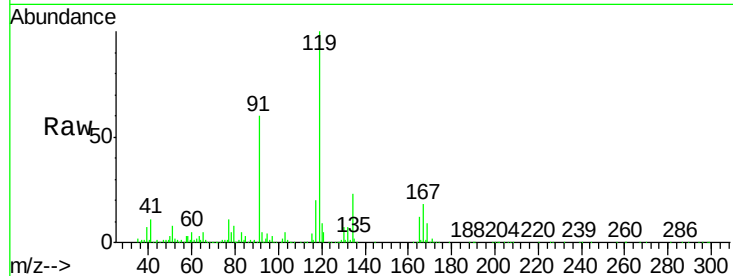
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	582622
Ion Ratio	Lower	Upper	
119	100		
91	59.7	31.1	93.2
134	23.3	12.2	36.6

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#83

1,2,4-Trimethylbenzene

Concen: 10.17 ug/l

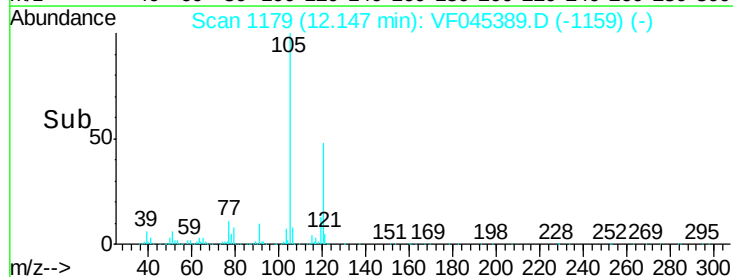
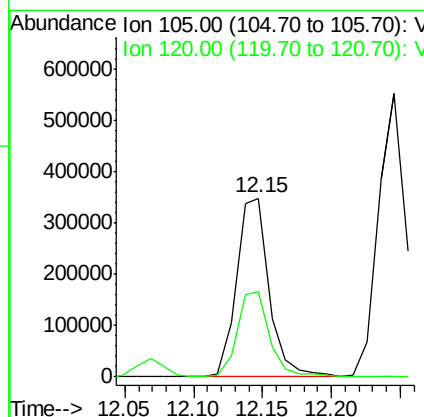
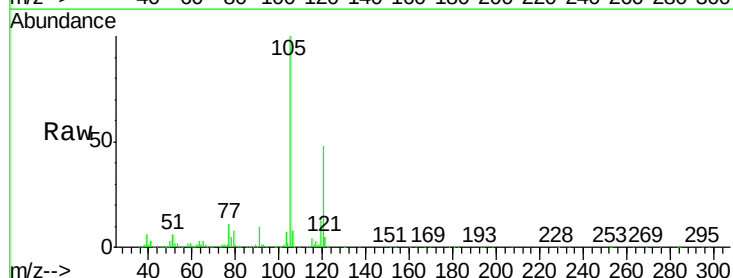
RT: 12.15 min Scan# 1179

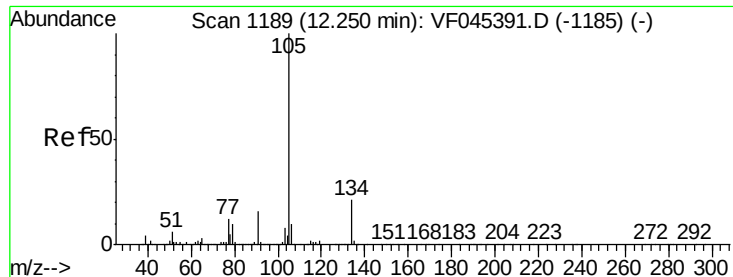
Delta R.T. -0.00 min

Lab File: VF045389.D

Acq: 16 Sep 2015 13:43

Tgt Ion:	105	Resp:	573688
Ion Ratio	Lower	Upper	
105	100		
120	47.8	22.9	68.7





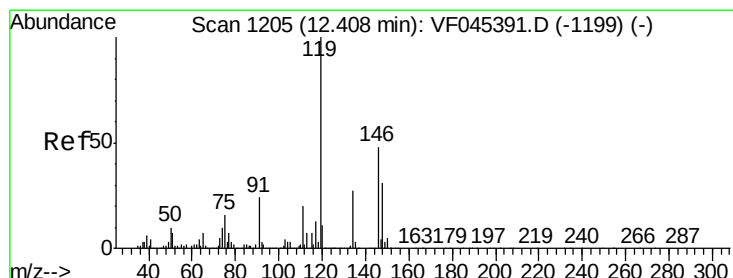
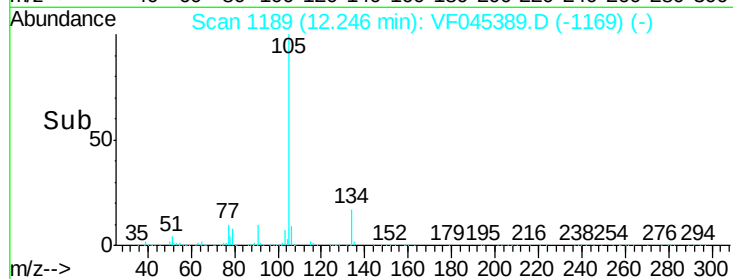
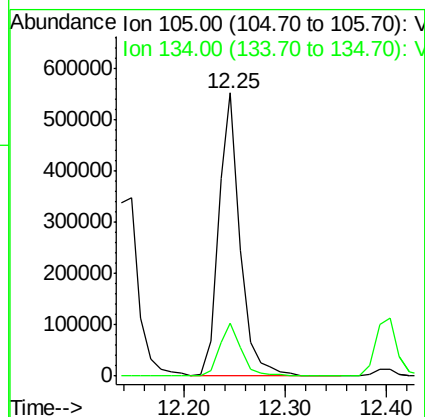
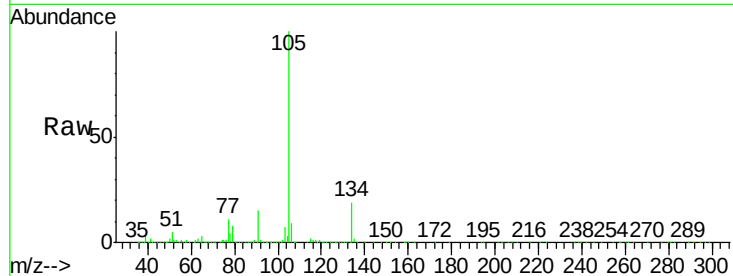
#84
 sec-Butylbenzene
 Concen: 10.95 ug/l
 RT: 12.25 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	10.5	31.6

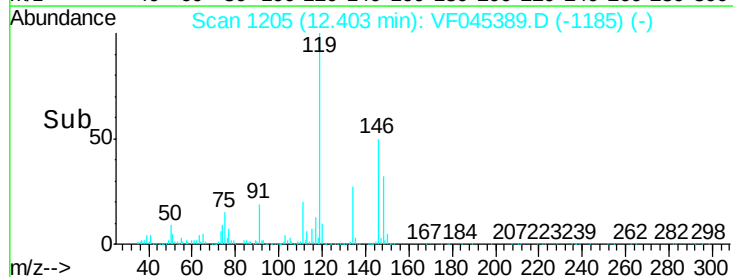
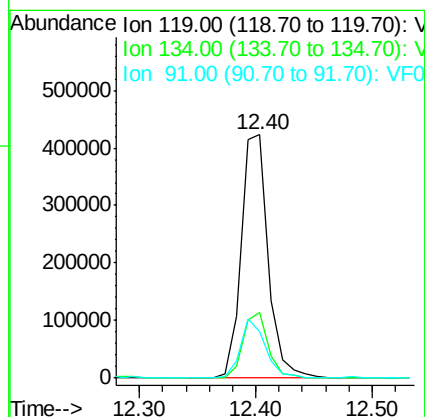
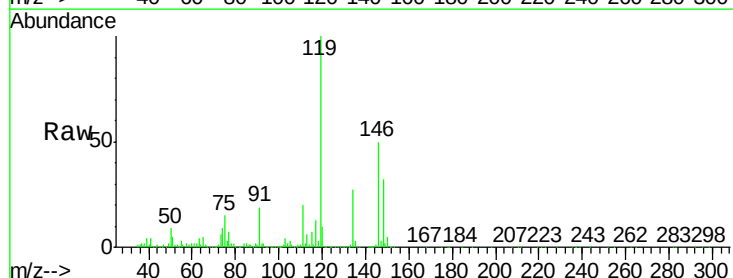
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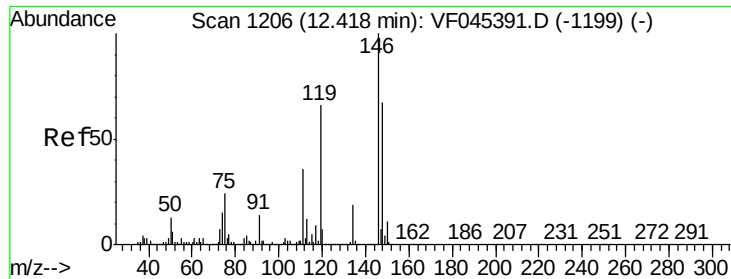
MMDadoda
 9/17/2015 12:50:40 PM



#85
 p-Isopropyltoluene
 Concen: 12.04 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.0	38.9
91	18.9	12.2	36.6





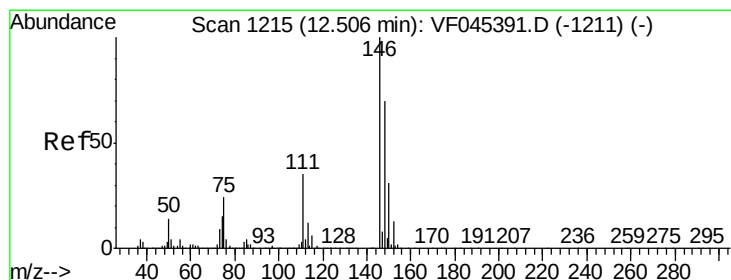
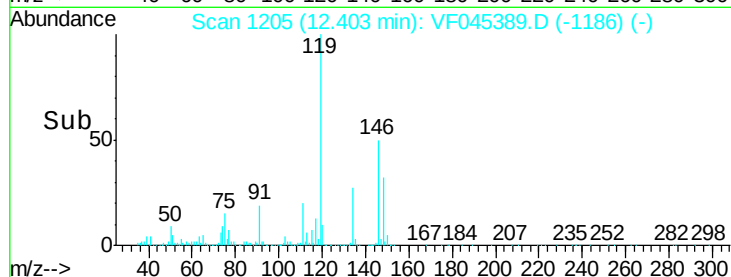
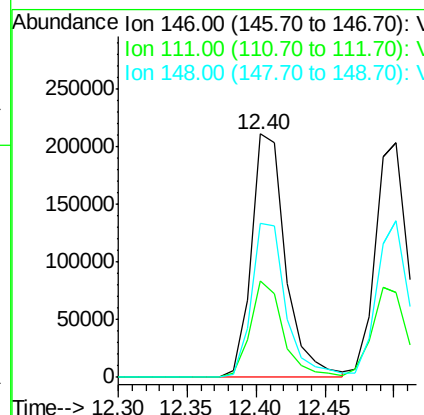
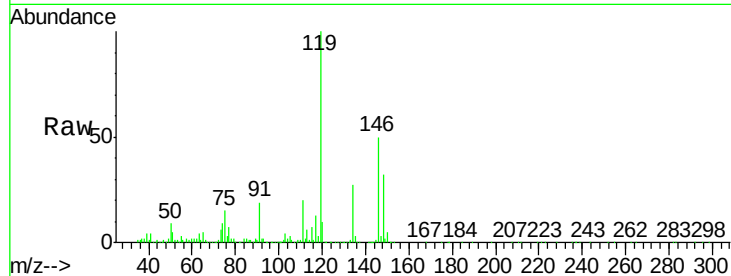
#86
 1,3-Dichlorobenzene
 Concen: 12.26 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.7
148	63.5	32.5	97.4

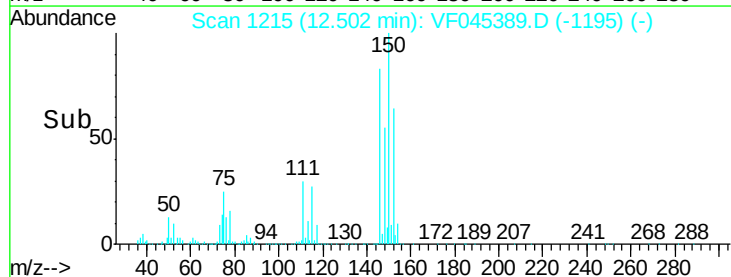
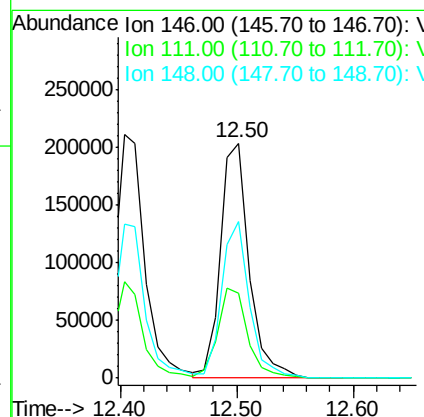
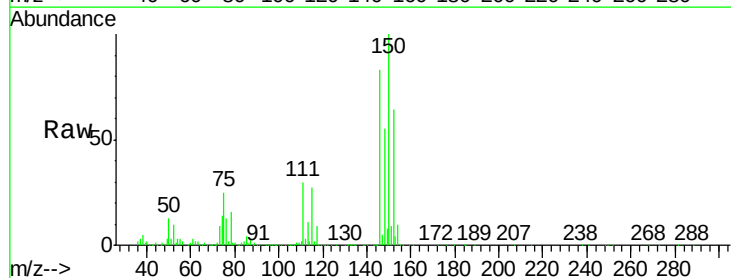
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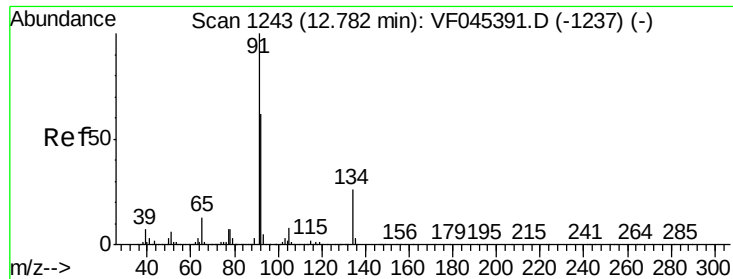
MMDadoda
 9/17/2015 12:50:40 PM



#87
 1,4-Dichlorobenzene
 Concen: 11.57 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.3	52.0
148	66.4	32.4	97.0





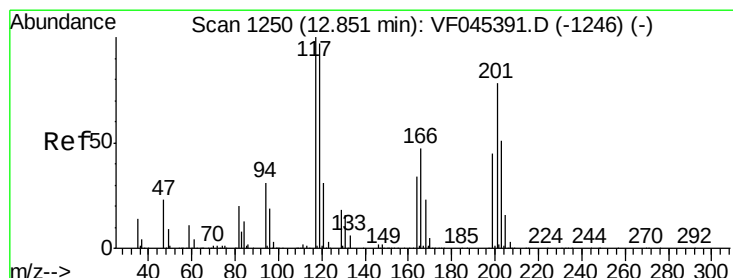
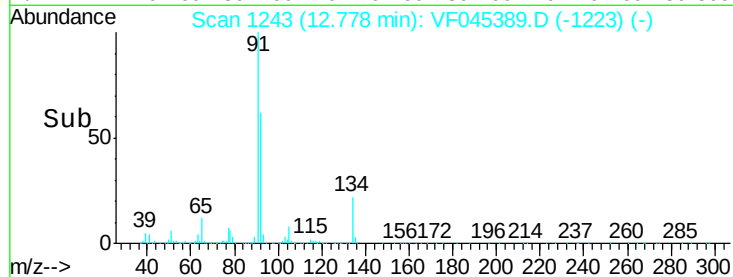
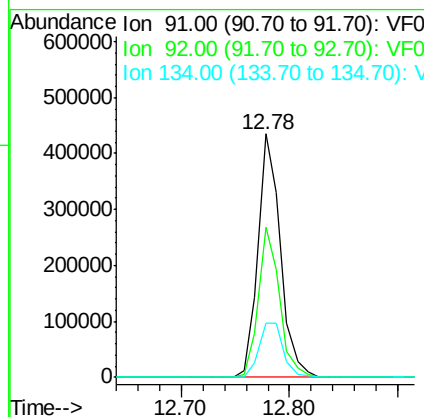
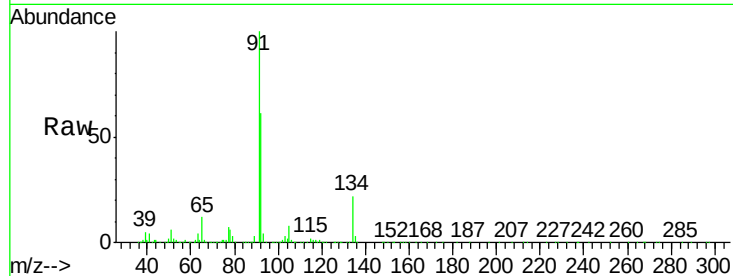
#88
n-Butylbenzene
Concen: 10.48 ug/l
RT: 12.78 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	30.1	90.5
134	22.2	13.8	41.4

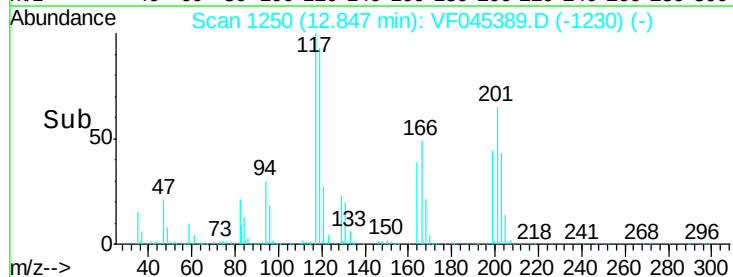
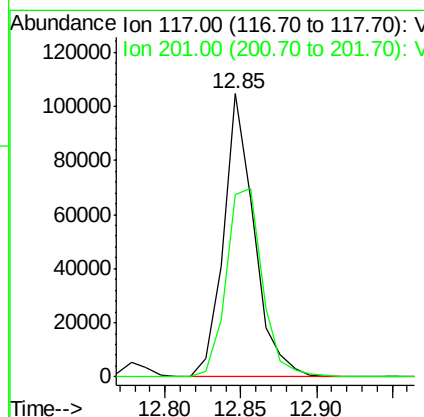
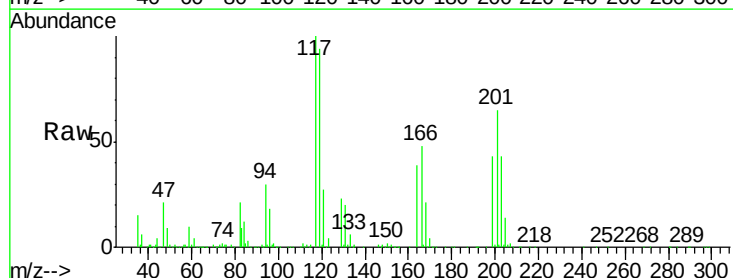
Manual Integrations
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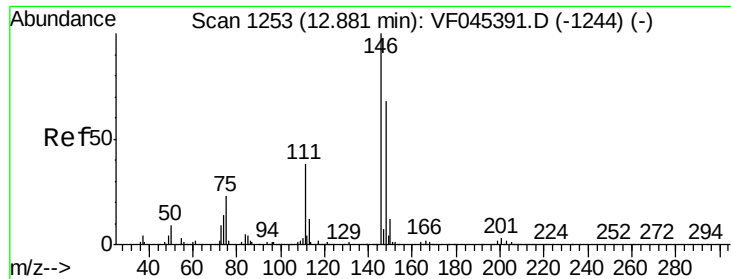
MMDadoda
9/17/2015 12:50:40 PM



#89
Hexachloroethane
Concen: 11.85 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.5	42.0	126.1





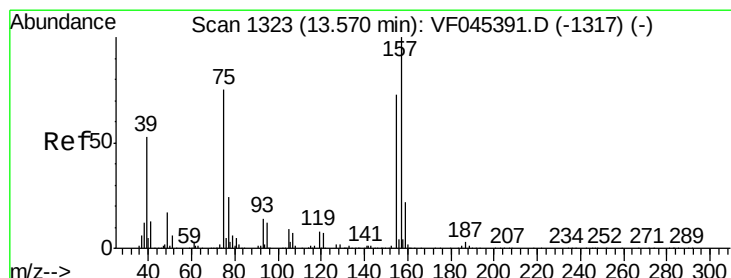
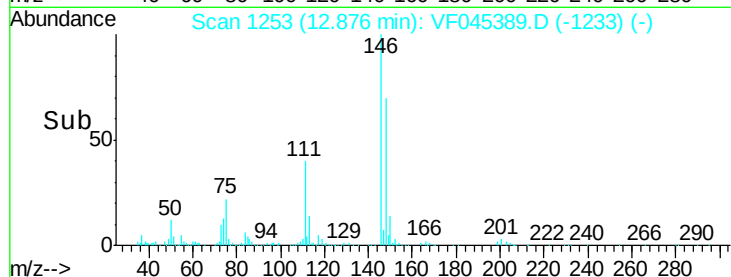
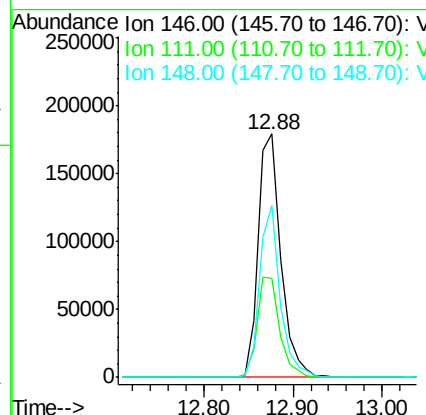
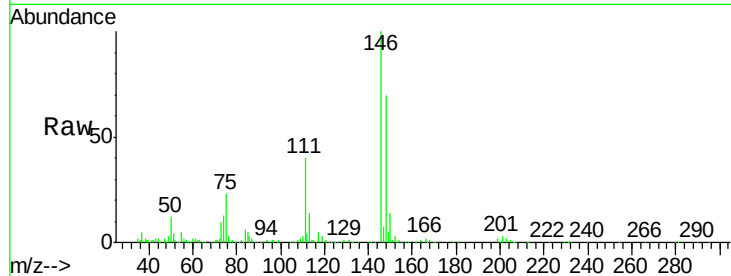
#90
 1,2-Dichlorobenzene
 Concen: 11.46 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	313037		
111	40.4		21.4	64.3
148	70.5		31.4	94.3

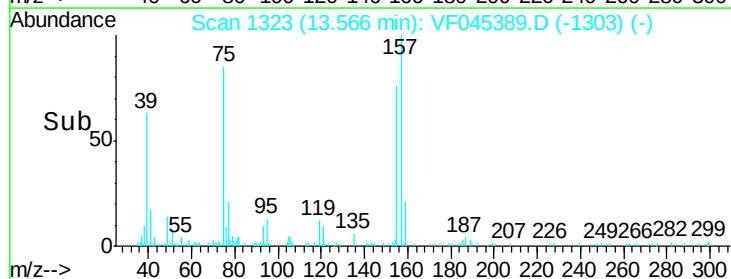
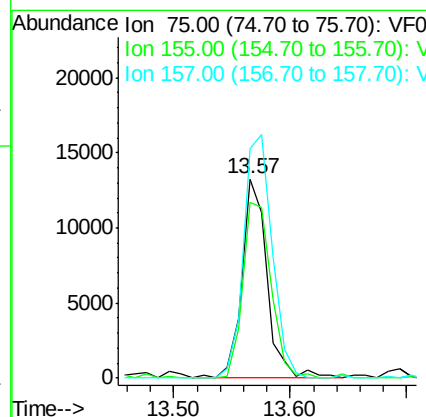
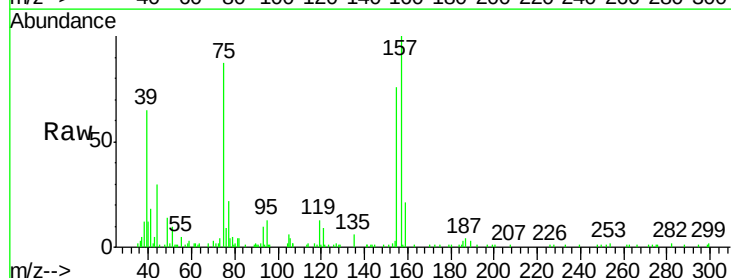
Manual Integrations
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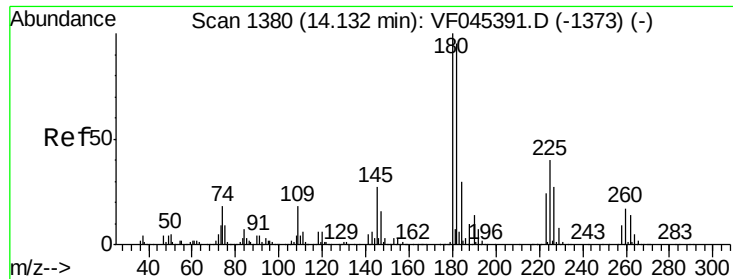
MMDadoda
 9/17/2015 12:50:40 PM



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 10.08 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19924		
155	87.9		49.2	147.6
157	115.4		66.8	200.4





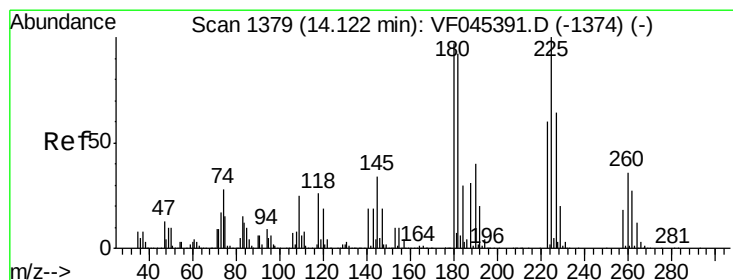
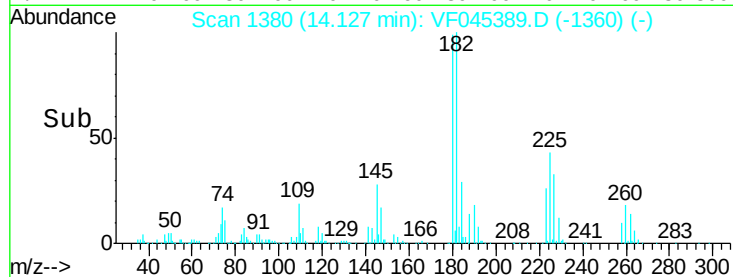
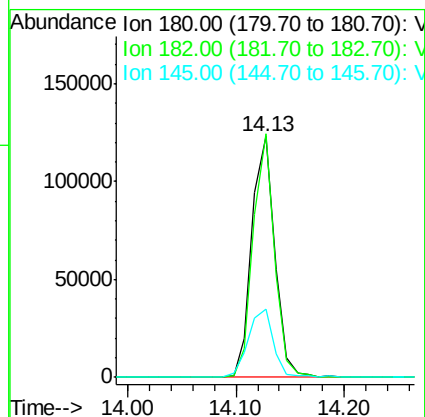
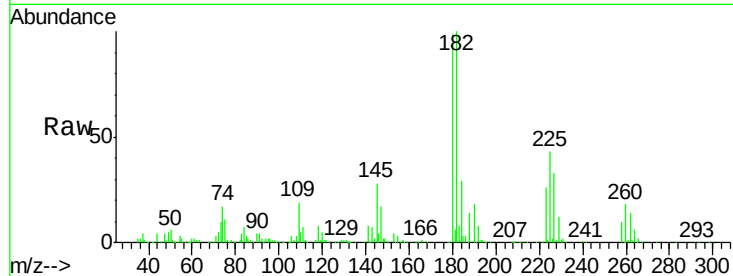
#92
 1,2,4-Trichlorobenzene
 Concen: 12.34 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182261		
182	101.2	49.4	148.0	
145	28.5	16.7	50.1	

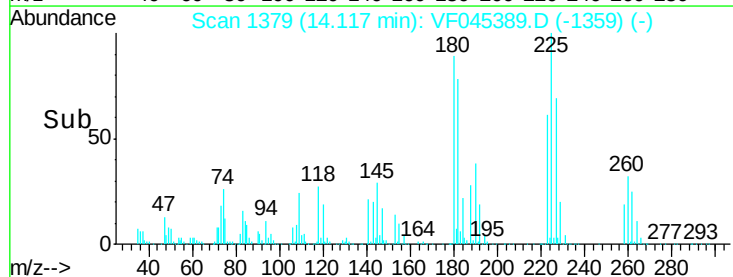
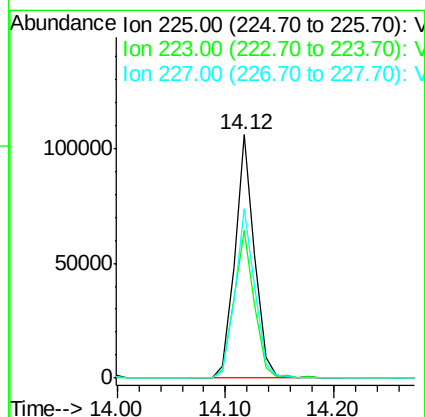
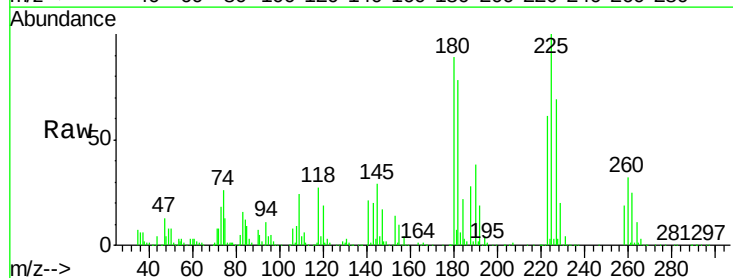
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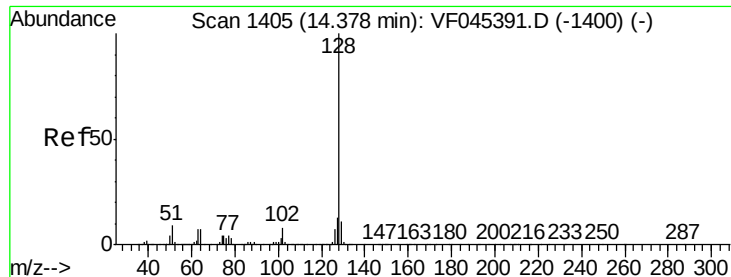
MMDadoda
 9/17/2015 12:50:40 PM



#93
 Hexachlorobutadiene
 Concen: 11.77 ug/l
 RT: 14.12 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VF045389.D
 Acq: 16 Sep 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133607		
223	60.6	31.9	95.5	
227	69.4	32.9	98.7	





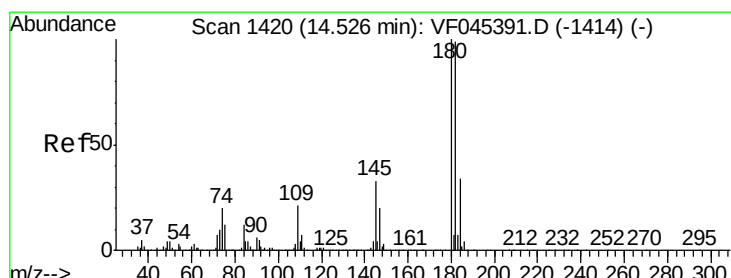
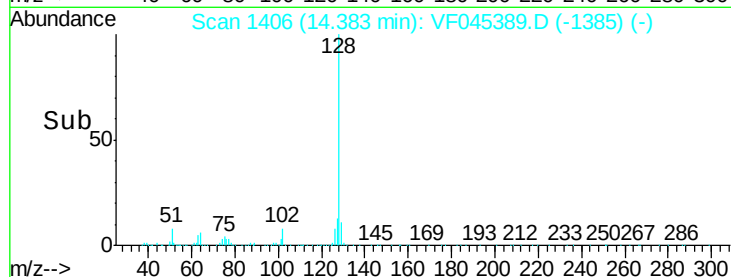
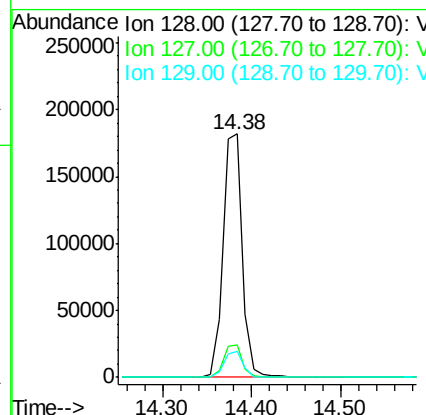
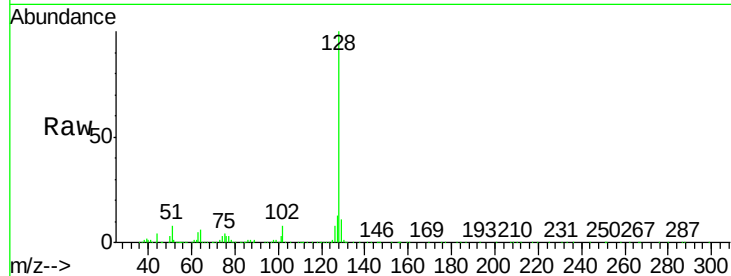
#94
Naphthalene
Concen: 10.60 ug/l
RT: 14.38 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		276255		
127	13.1	9.8	14.8		
129	10.8	8.8	13.2		

Manual Integrations
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9/17/2015 12:50:40 PM



#95
1,2,3-Trichlorobenzene
Concen: 11.33 ug/l
RT: 14.52 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF045389.D
Acq: 16 Sep 2015 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		135035		
182	95.8	47.6	142.8		
145	27.6	14.5	43.6		

