

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045396.D
 Acq On : 16 Sep 2015 18:12
 Operator : FY/SY
 Sample : VF0916SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:10 PM

Quant Time: Sep 17 07:30:51 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.80	168	1110843	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1614935	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.71	117	1580897	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	867744	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.77	65	547081	45.86	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	91.72%	
34) Dibromofluoromethane	4.04	113	577245	46.14	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	92.28%	
49) Toluene-d8	7.49	98	1761567	47.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.60%	
61) 4-Bromofluorobenzene	11.35	95	819408	46.25	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	92.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	190020	20.09	ug/l	90
3) Chloromethane	1.02	50	161646	19.96	ug/l	97
4) Vinyl Chloride	1.09	62	136936	19.72	ug/l	94
5) Bromomethane	1.26	94	72745	16.88	ug/l	92
6) Chloroethane	1.34	64	53073	19.18	ug/l	94
7) Trichlorofluoromethane	1.39	101	269228m	18.90	ug/l	
8) Diethyl Ether	1.59	74	57195	19.21	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.78	101	158318	19.31	ug/l	94
10) Methyl Iodide	1.81	142	328109	19.57	ug/l	95
11) Tert butyl alcohol	2.50	59	13623	101.63	ug/l #	92
12) 1,1-Dichloroethene	1.71	96	131863	19.36	ug/l	97
13) Acrolein	1.96	56	55388	99.72	ug/l	92
14) Allyl chloride	2.05	41	209847	19.86	ug/l	92
15) Acrylonitrile	2.88	53	124016	96.81	ug/l	93
16) Acetone	2.18	43	263444	97.28	ug/l	98
17) Carbon Disulfide	1.72	76	444043	19.13	ug/l	98
18) Methyl Acetate	2.29	43	212912	20.50	ug/l	98
19) Methyl tert-butyl Ether	2.38	73	109219	20.38	ug/l	92
20) Methylene Chloride	2.13	84	153122	17.65	ug/l	91
21) trans-1,2-Dichloroethene	2.26	96	140062	18.35	ug/l	95
22) Diisopropyl ether	2.75	45	451086	20.03	ug/l	94
23) Vinyl Acetate	3.13	43	673955	102.51	ug/l	96
24) 1,1-Dichloroethane	2.81	63	309147	20.28	ug/l	96
25) 2-Butanone	4.26	43	380520	100.44	ug/l	97
26) 2,2-Dichloropropane	3.53	77	267840	18.87	ug/l	98
27) cis-1,2-Dichloroethene	3.41	96	236022	20.02	ug/l	98
28) Bromochloromethane	3.64	49	133851	22.36	ug/l #	86
29) Chloroform	3.79	83	405857	18.94	ug/l	94
30) Cyclohexane	3.64	56	301152	21.89	ug/l	95
31) 1,1,1-Trichloroethane	4.03	97	332279	18.72	ug/l	94
35) 1,1-Dichloropropene	4.21	75	321637	20.99	ug/l	97
36) Ethyl Acetate	4.04	43	159286	20.55	ug/l #	43
37) Carbon Tetrachloride	3.93	117	299304	18.55	ug/l	99
38) Methylcyclohexane	5.41	83	333628	20.26	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	755485	21.09	ug/l	97
40) Methacrylonitrile	4.68	41	74217	20.23	ug/l #	87
41) 1,2-Dichloroethane	4.87	62	274727	19.01	ug/l	99
42) Isopropyl Acetate	6.90	43	217853	21.33	ug/l #	97
43) Trichloroethene	5.44	130	249003	20.36	ug/l	96
44) 1,2-Dichloropropane	6.17	63	203510	19.50	ug/l	94
45) Dibromomethane	6.02	93	140391	18.91	ug/l	95
46) Bromodichloromethane	6.32	83	308064	18.53	ug/l	92
47) Methyl methacrylate	6.66	41	118415	19.10	ug/l	88
48) 1,4-Dioxane	6.66	88	29906	402.72	ug/l #	80
50) 4-Methyl-2-Pentanone	8.20	43	765816	105.44	ug/l	100
51) Toluene	7.56	92	592605	21.47	ug/l	99
52) t-1,3-Dichloropropene	8.21	75	296569	19.84	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	346754	19.65	ug/l	97
54) 1,1,2-Trichloroethane	8.42	97	185672	19.89	ug/l	99
55) Ethyl methacrylate	8.57	69	257955	21.24	ug/l	96
56) 1,3-Dichloropropane	8.78	76	320429	21.04	ug/l	97
58) 2-Hexanone	9.43	43	628336	108.69	ug/l	97
59) Dibromochloromethane	8.65	129	254008	19.20	ug/l	99
60) 1,2-Dibromoethane	8.92	107	223458	21.09	ug/l	85
63) Tetrachloroethene	8.09	164	256846	20.45	ug/l	93
64) Chlorobenzene	9.73	112	674605	20.34	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	234595	19.35	ug/l	97
66) Ethyl Benzene	9.84	91	1180475	20.54	ug/l	97
67) m/p-Xylenes	10.06	106	839484	40.76	ug/l	98
68) o-Xylene	10.66	106	441157	20.63	ug/l	97
69) Styrene	10.73	104	685519	20.09	ug/l	94
70) Bromoform	10.70	173	165318	18.38	ug/l	99
72) Isopropylbenzene	11.07	105	1225041	21.07	ug/l	98
73) N-amyl acetate	11.33	43	339781	21.08	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.64	83	266657	20.24	ug/l	97
75) 1,2,3-Trichloropropane	11.74	75	192247	21.22	ug/l	93
76) Bromobenzene	11.43	156	334297	20.28	ug/l	96
77) n-propylbenzene	11.54	91	1520806	21.07	ug/l	94
78) 2-Chlorotoluene	11.66	91	863872	21.40	ug/l	97
79) 1,3,5-Trimethylbenzene	11.77	105	1009546	21.31	ug/l	94
80) trans-1,4-Dichloro-2-buten	11.81	75	87104m	17.95	ug/l	
81) 4-Chlorotoluene	11.85	91	910645	20.41	ug/l	90
82) tert-Butylbenzene	12.07	119	971603	20.74	ug/l	99
83) 1,2,4-Trimethylbenzene	12.15	105	1020425	21.00	ug/l	99
84) sec-Butylbenzene	12.25	105	1344646	20.64	ug/l	94
85) p-Isopropyltoluene	12.41	119	1071866	21.14	ug/l	96
86) 1,3-Dichlorobenzene	12.42	146	599407	21.38	ug/l	98
87) 1,4-Dichlorobenzene	12.51	146	555049	19.83	ug/l	99
88) n-Butylbenzene	12.79	91	1126066	22.09	ug/l	96
89) Hexachloroethane	12.85	117	236731	19.72	ug/l	79
90) 1,2-Dichlorobenzene	12.88	146	516814	20.04	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.57	75	35099	20.06	ug/l	66
92) 1,2,4-Trichlorobenzene	14.13	180	308257	20.66	ug/l	97
93) Hexachlorobutadiene	14.12	225	242493	21.40	ug/l	99

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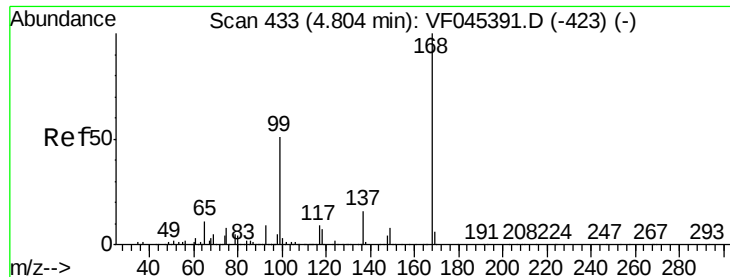
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	499001	18.79	µg/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	242899	19.82	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.80 min Scan# 433

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion:168 Resp: 1110843

Ion Ratio Lower Upper

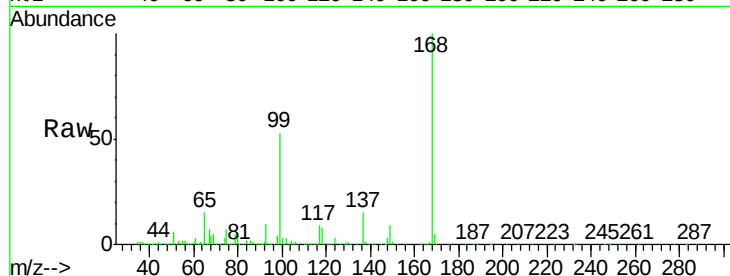
168 100

99 52.8 39.0 58.4

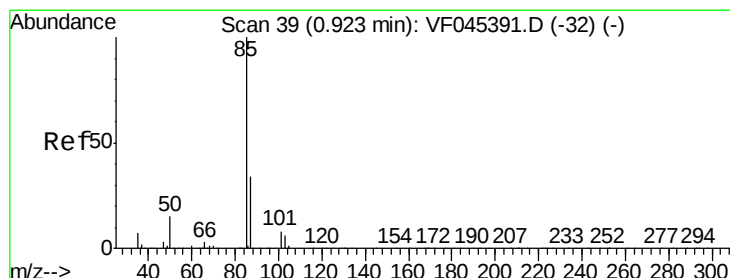
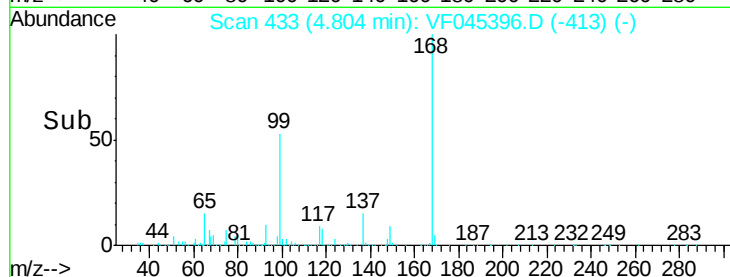
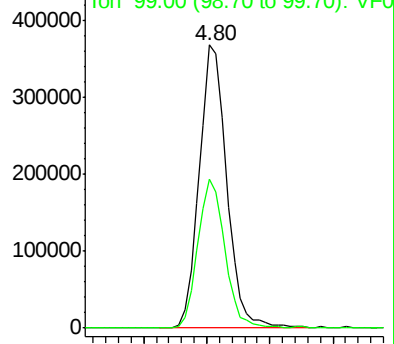
Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.09 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.01 min

Lab File: VF045396.D

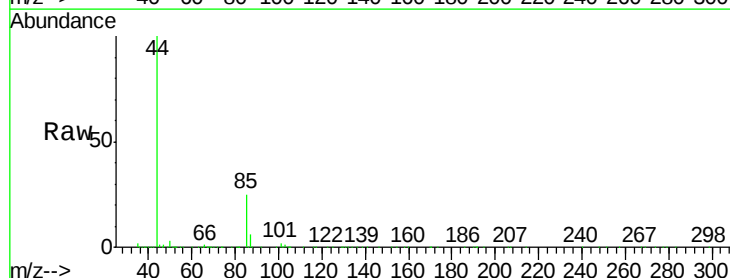
Acq: 16 Sep 2015 18:12

Tgt Ion: 85 Resp: 190020

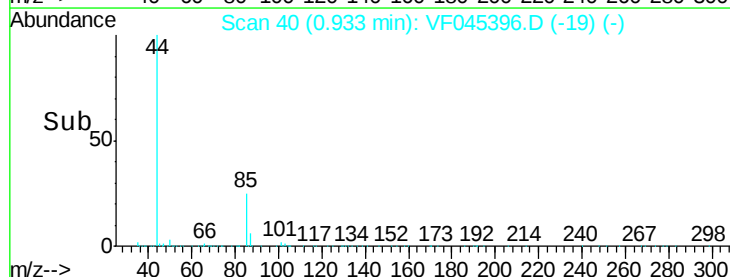
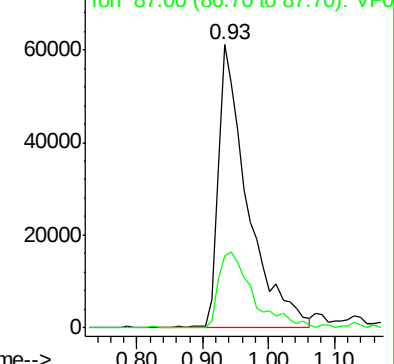
Ion Ratio Lower Upper

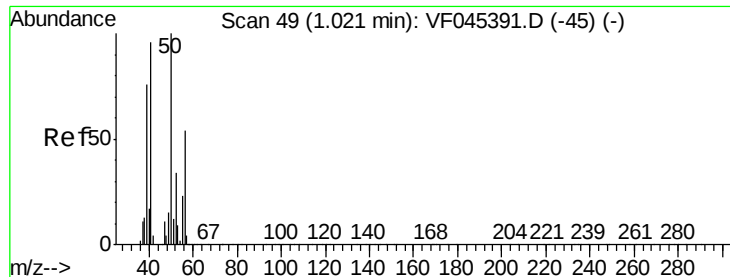
85 100

87 25.6 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 19.96 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 50 Resp: 161646

Ion Ratio Lower Upper

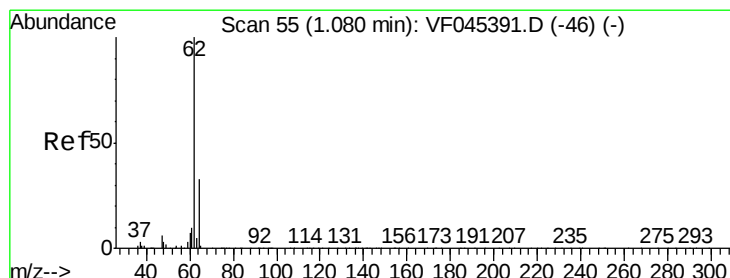
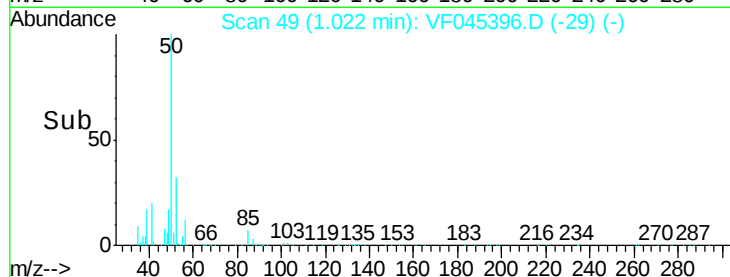
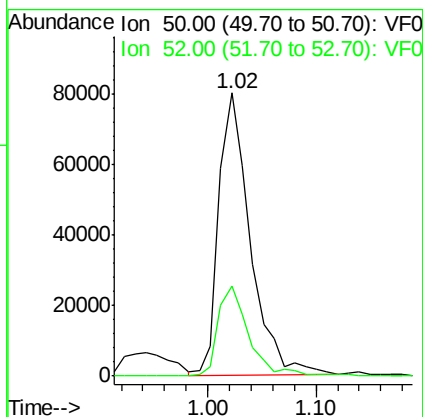
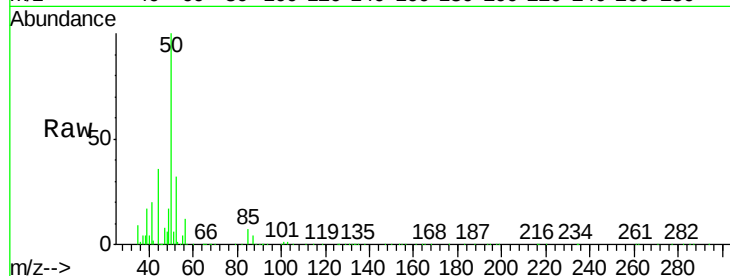
50 100

52 31.7 23.8 35.8

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#4

Vinyl Chloride

Concen: 19.72 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF045396.D

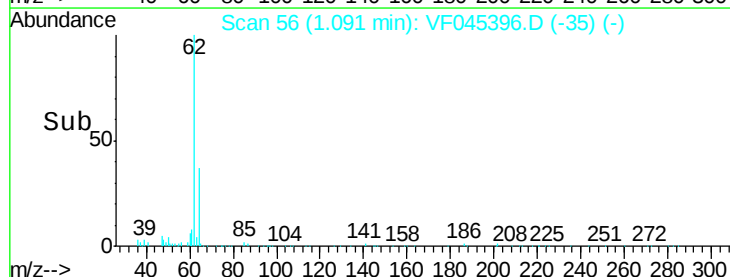
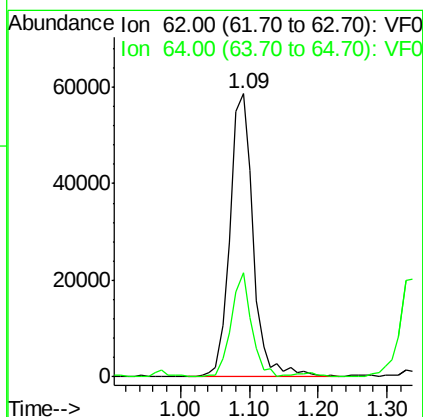
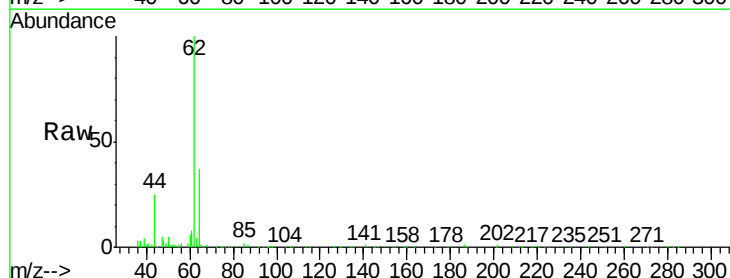
Acq: 16 Sep 2015 18:12

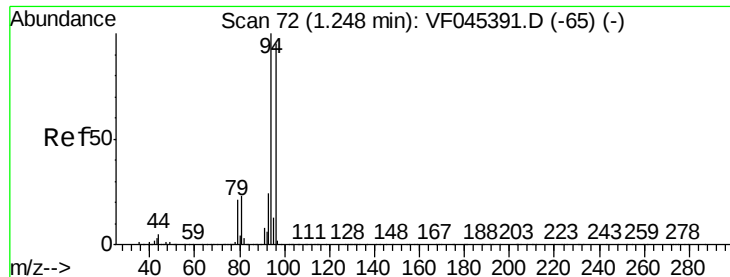
Tgt Ion: 62 Resp: 136936

Ion Ratio Lower Upper

62 100

64 36.7 26.6 39.8





#5

Bromomethane

Concen: 16.88 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 94 Resp: 72745

Ion Ratio Lower Upper

94 100

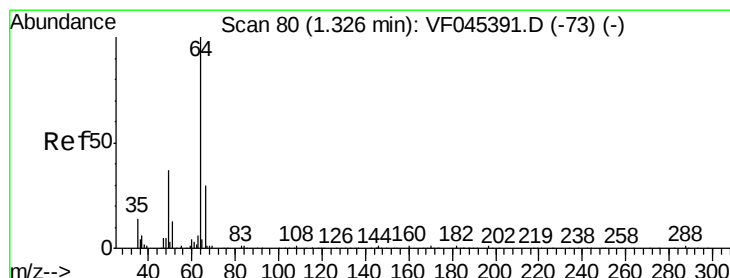
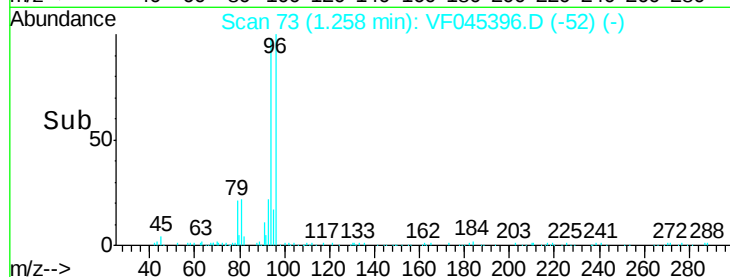
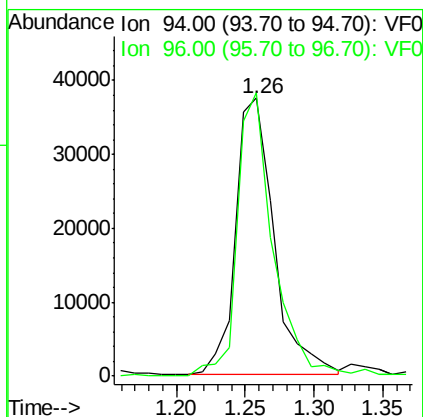
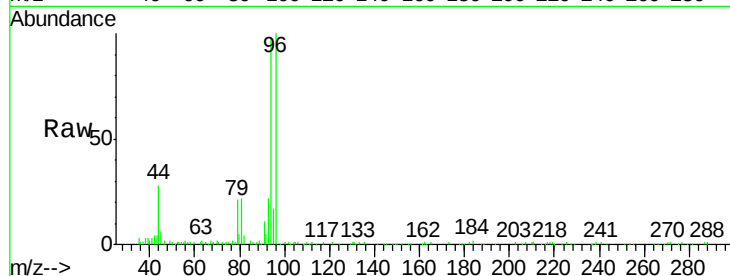
96 101.9 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.18 ug/l

RT: 1.34 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045396.D

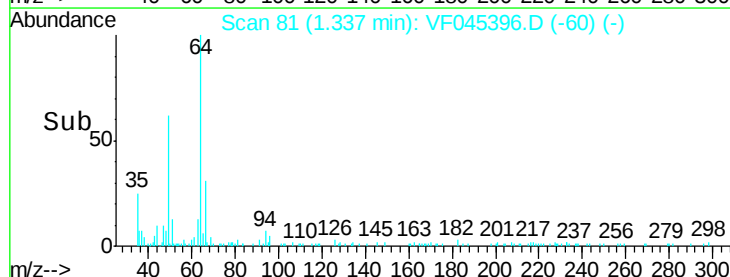
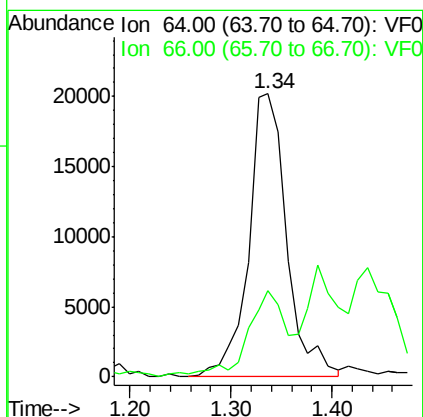
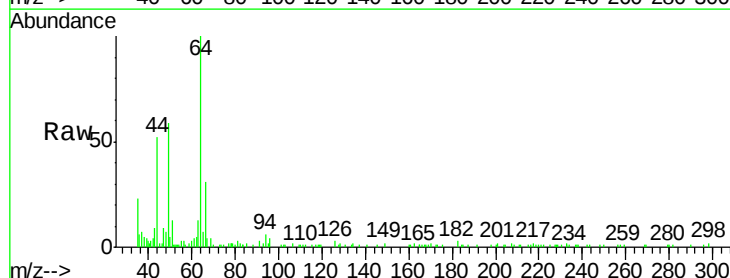
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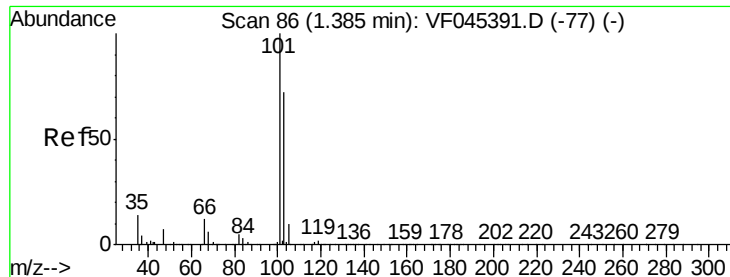
Tgt Ion: 64 Resp: 53073

Ion Ratio Lower Upper

64 100

66 30.6 27.3 40.9





#7

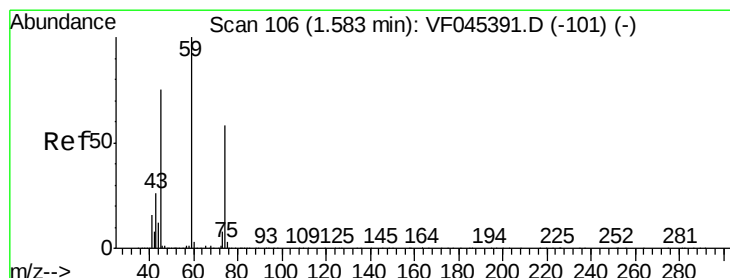
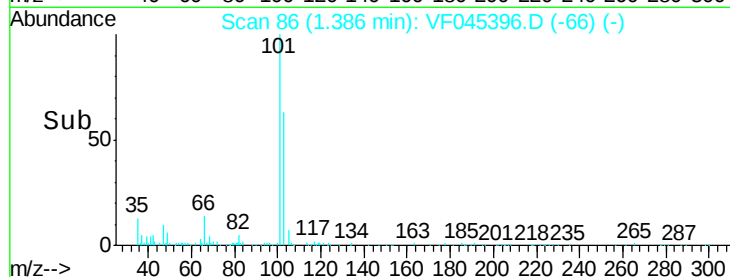
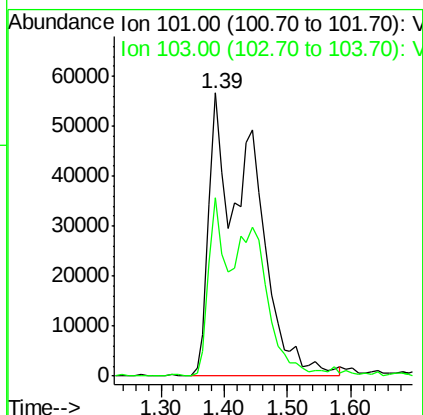
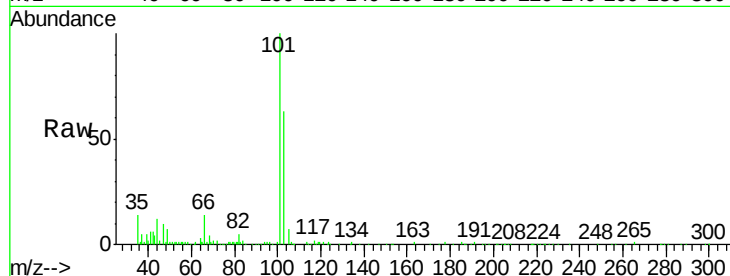
Trichlorofluoromethane
Concen: 18.90 ug/l m
RT: 1.39 min Scan# 86
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

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MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.8	76.2

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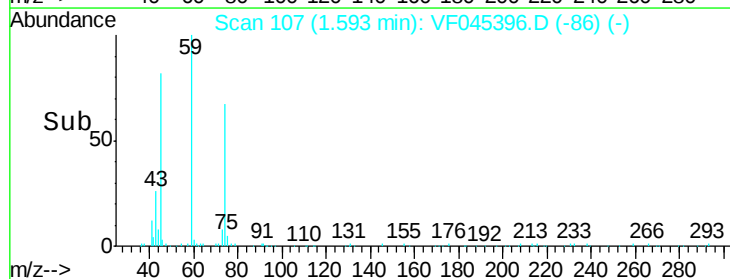
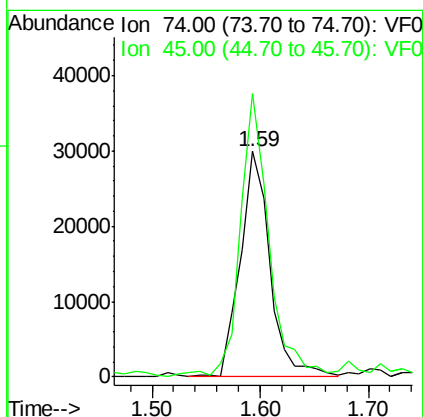
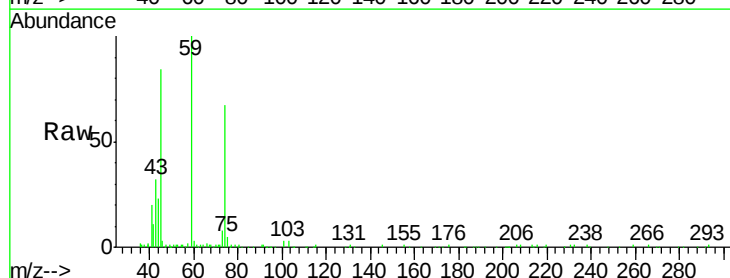
MMDadoda
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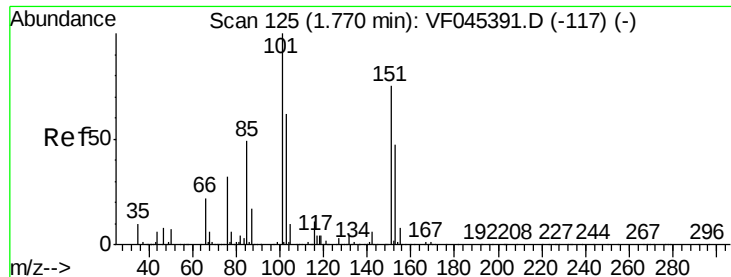


#8

Diethyl Ether
Concen: 19.21 ug/l
RT: 1.59 min Scan# 107
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.5	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.31 ug/l

RT: 1.78 min Scan# 126

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

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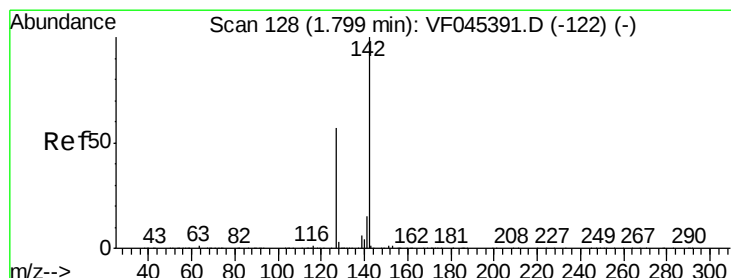
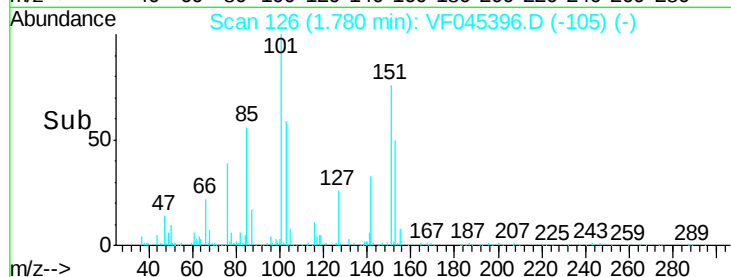
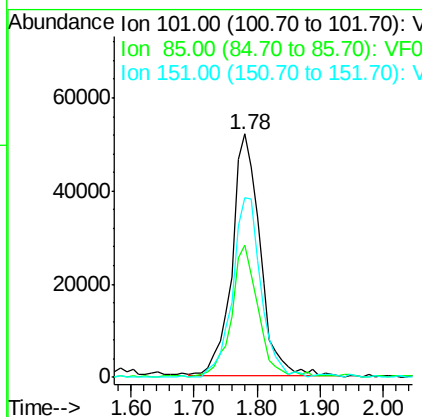
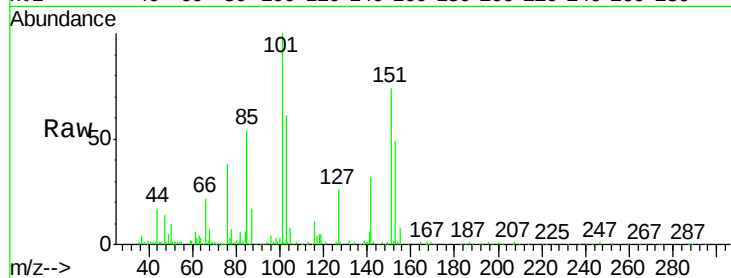
ClientSampleId :

VF0916SBS01

Tot Ion:	101	Resp:	158318
Ion Ratio	Lower	Upper	
101	100		
85	54.3	40.0	60.0
151	74.0	62.8	94.2

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#10

Methyl Iodide

Concen: 19.57 ug/l

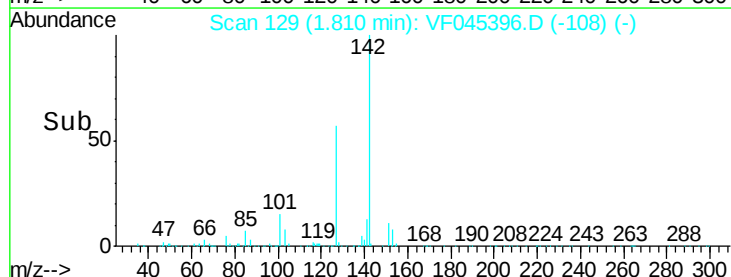
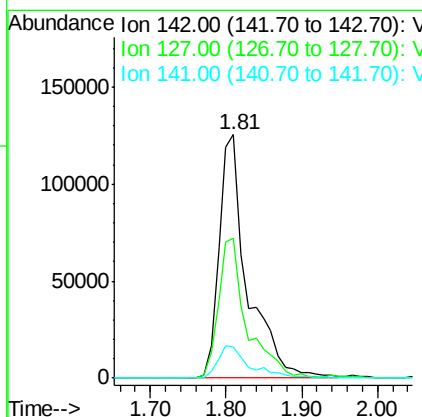
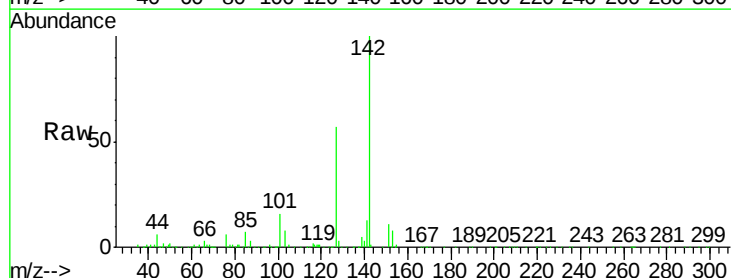
RT: 1.81 min Scan# 129

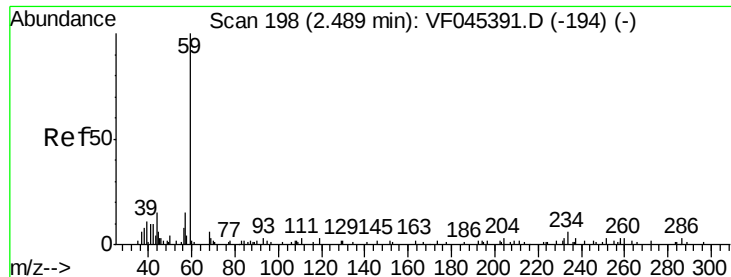
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	142	Resp:	328109
Ion Ratio	Lower	Upper	
142	100		
127	57.3	43.3	64.9
141	12.9	12.1	18.1





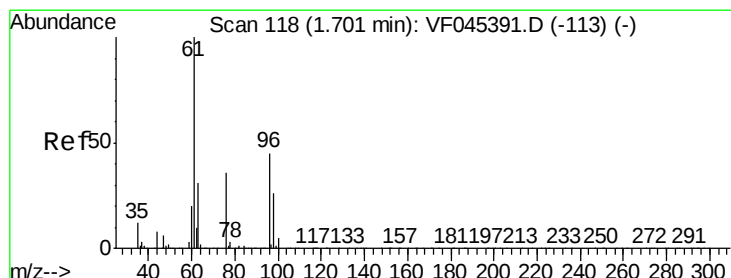
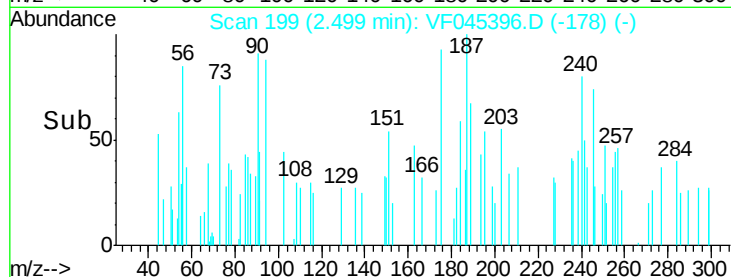
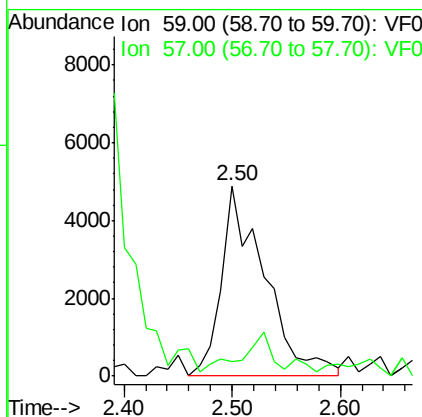
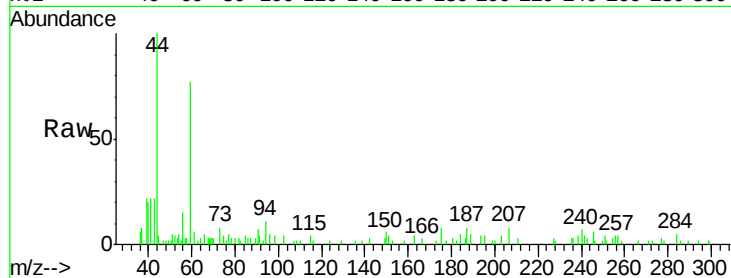
#11
Tert butyl alcohol
Concen: 101.63 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion: 59 Resp: 13623
Ion Ratio Lower Upper
59 100
57 7.9 8.6 13.0#

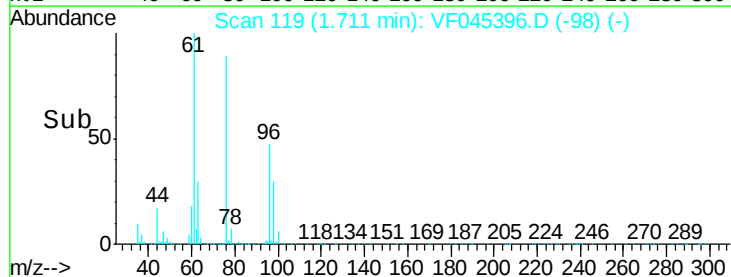
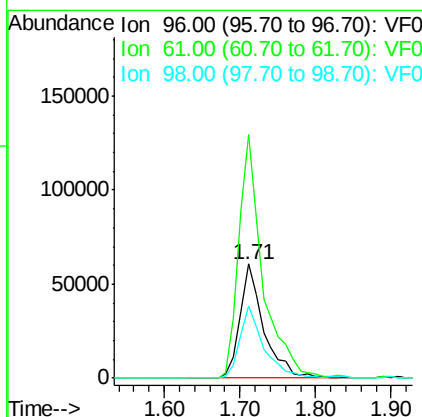
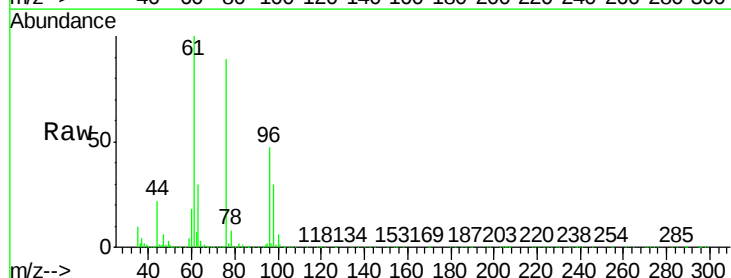
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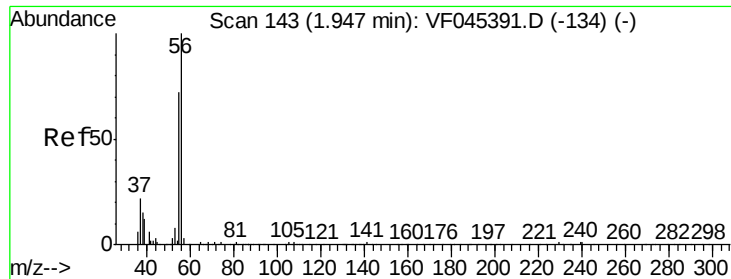
MMDadoda
9/17/2015 12:51:10 PM



#12
1,1-Dichloroethene
Concen: 19.36 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion: 96 Resp: 131863
Ion Ratio Lower Upper
96 100
61 213.4 165.8 248.8
98 63.0 51.2 76.8





#13

Acrolein

Concen: 99.72 ug/l

RT: 1.96 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 56 Resp: 55388

Ion Ratio Lower Upper

56 100

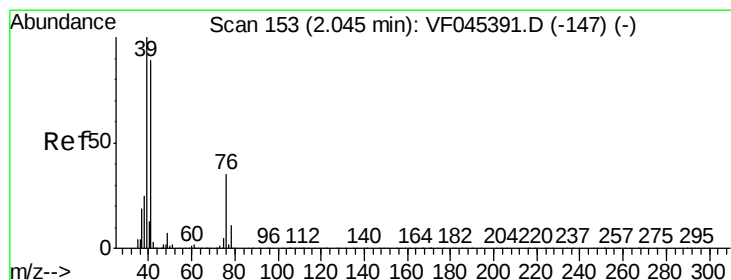
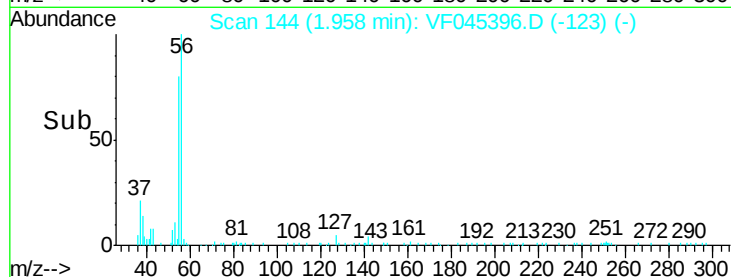
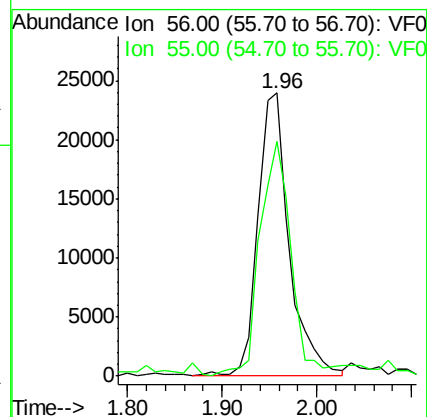
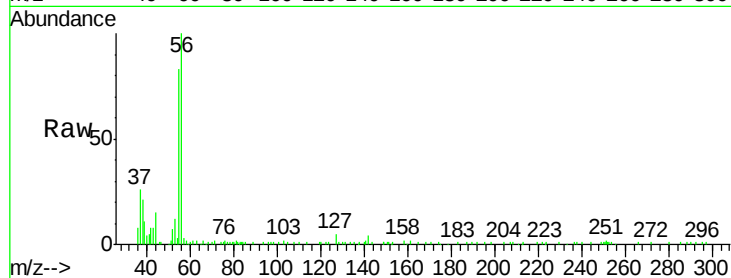
55 82.8 60.5 90.7

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#14

Allyl chloride

Concen: 19.86 ug/l

RT: 2.05 min Scan# 153

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

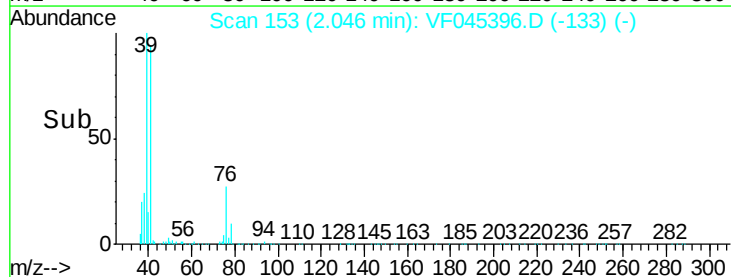
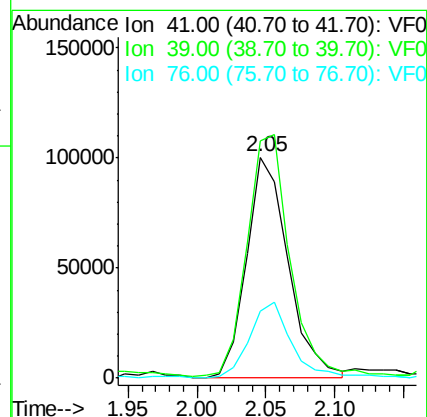
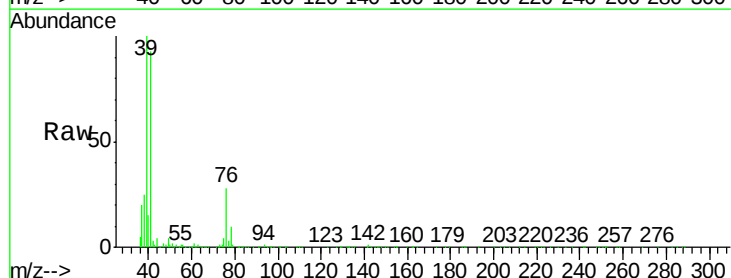
Tgt Ion: 41 Resp: 209847

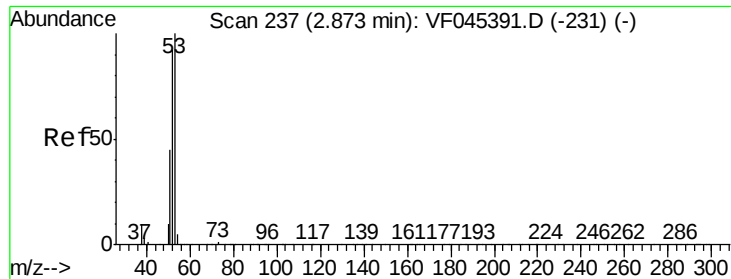
Ion Ratio Lower Upper

41 100

39 107.2 92.8 139.2

76 30.6 27.7 41.5





#15

Acrylonitrile

Concen: 96.81 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

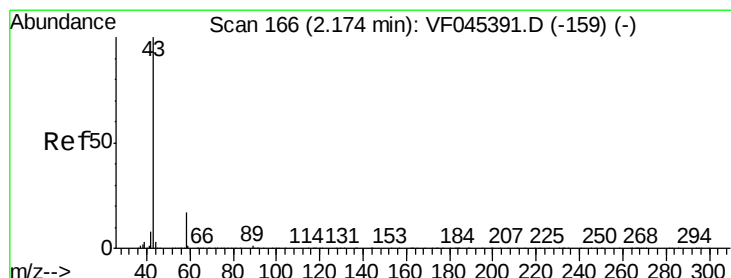
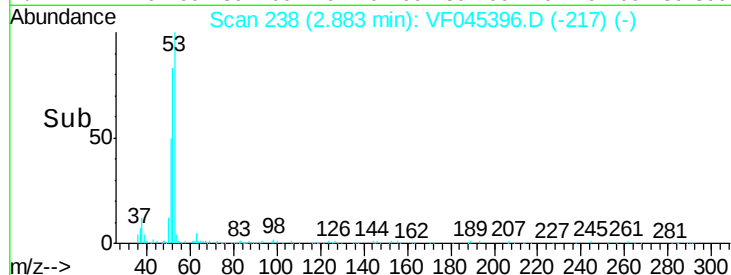
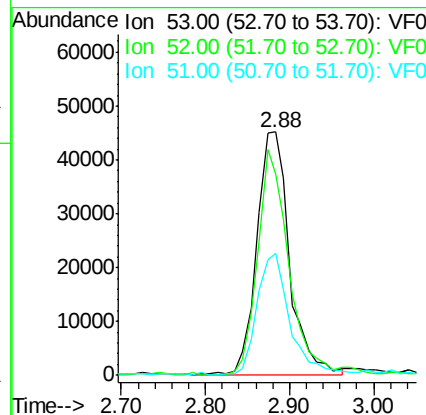
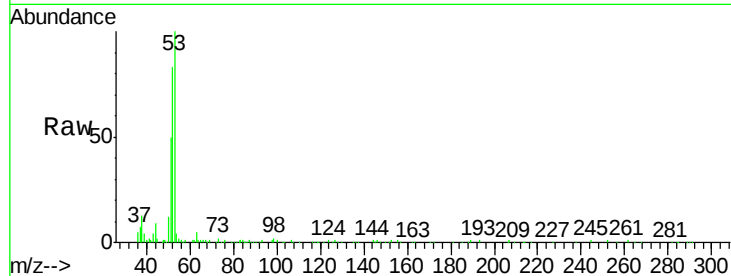
ClientSampleId :

VF0916SBS01

Tot Ion:	53	Resp:	124016
Ion	Ratio	Lower	Upper
53	100		
52	82.6	72.7	109.1
51	49.9	42.2	63.2

Manual Integrations
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#16

Acetone

Concen: 97.28 ug/l

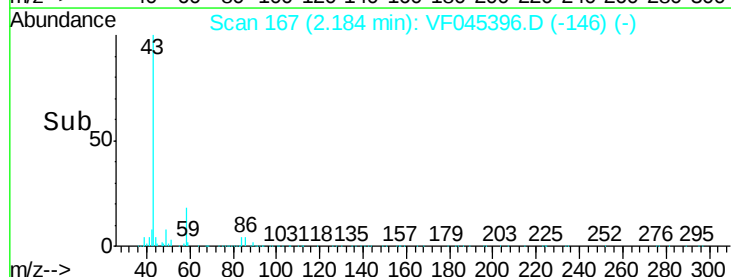
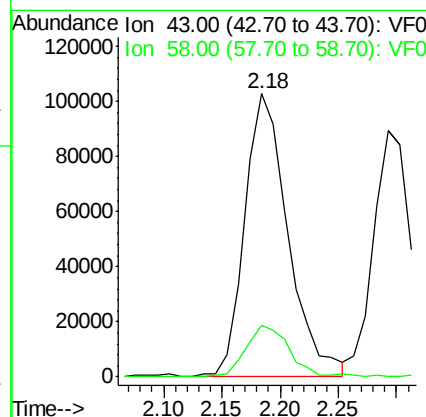
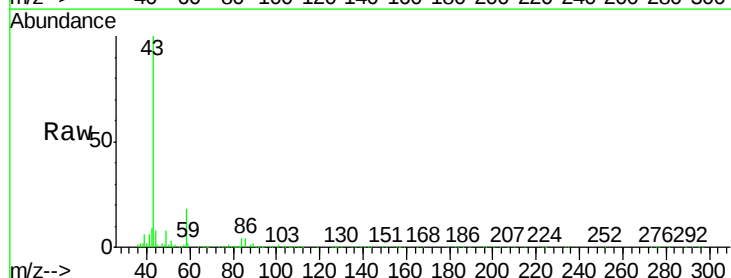
RT: 2.18 min Scan# 167

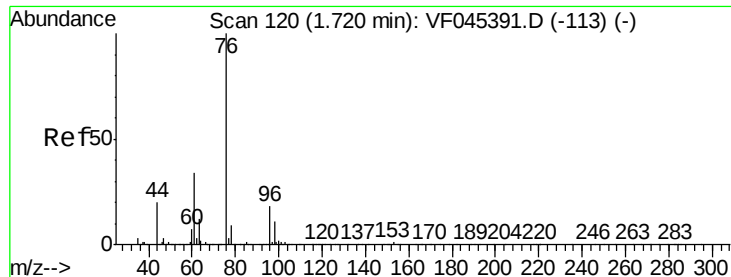
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	43	Resp:	263444
Ion	Ratio	Lower	Upper
43	100		
58	18.3	13.9	20.9





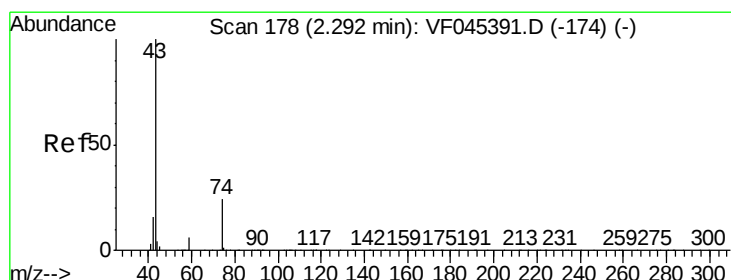
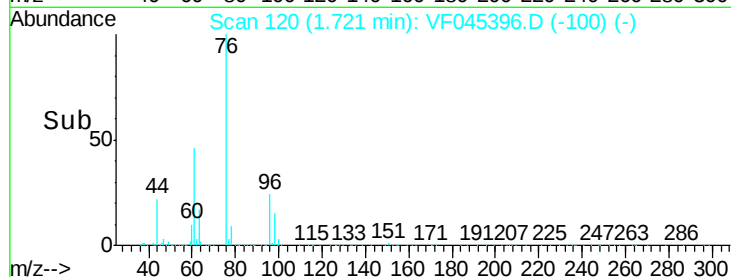
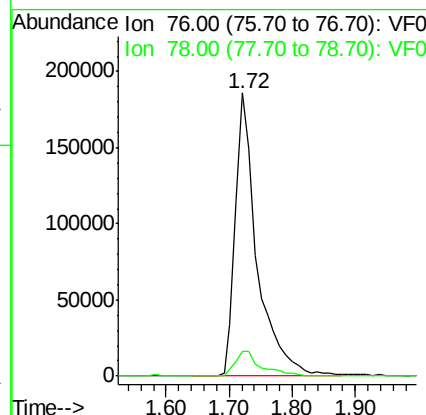
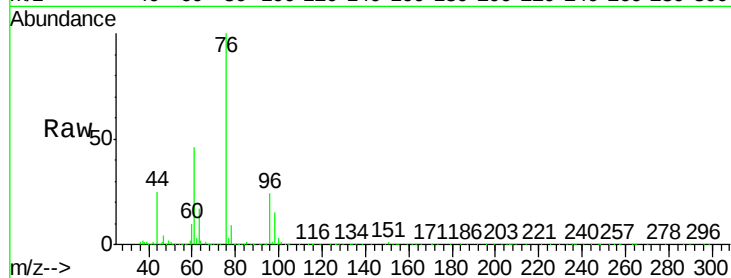
#17
Carbon Disulfide
Concen: 19.13 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

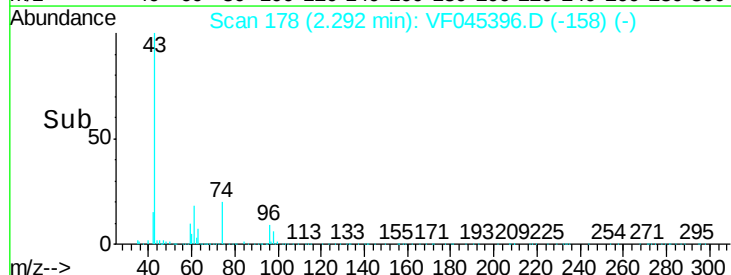
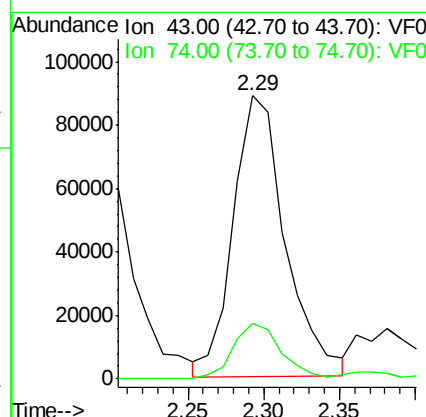
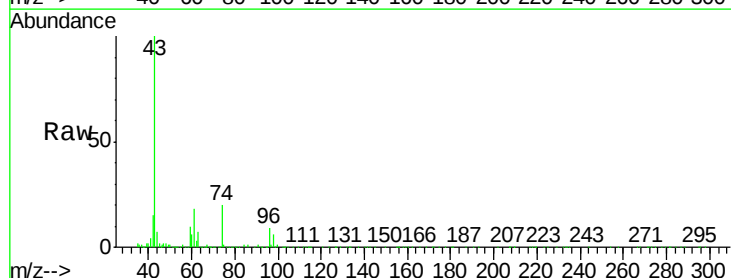
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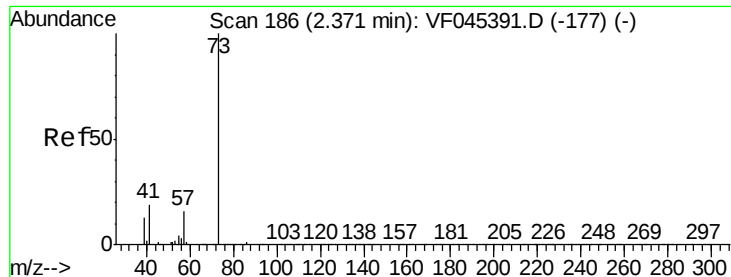
MMDadoda
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#18
Methyl Acetate
Concen: 20.50 ug/l
RT: 2.29 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	15.1	22.7





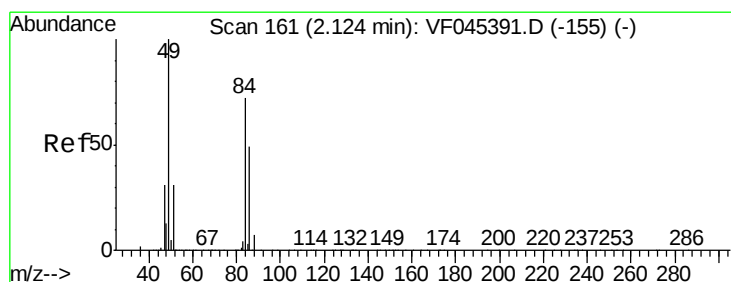
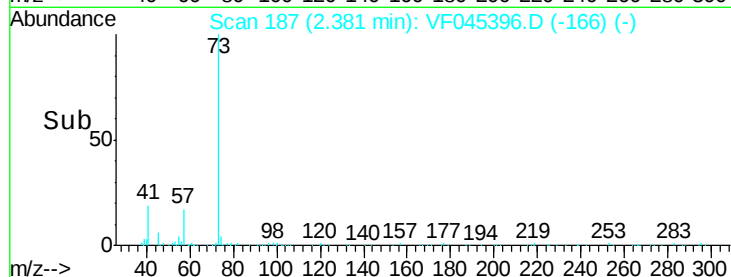
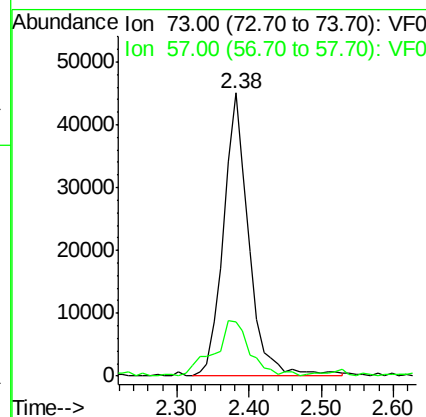
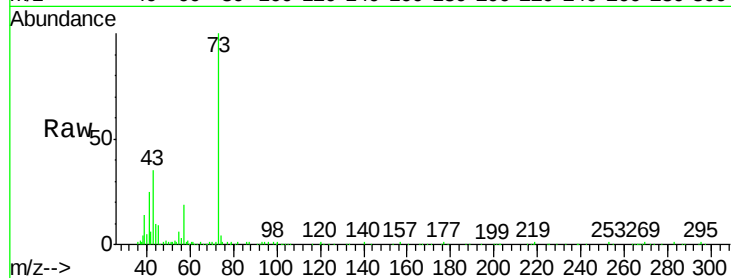
#19
Methvl tert-butvl Ether
Concen: 20.38 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	12.9	19.3

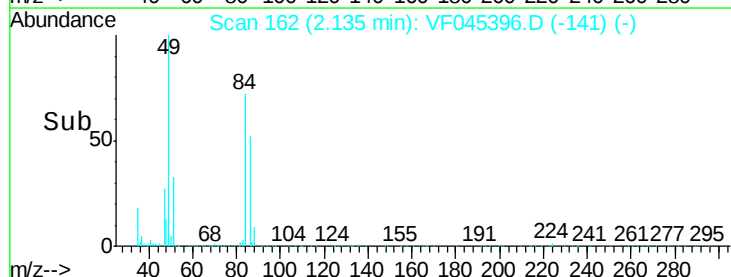
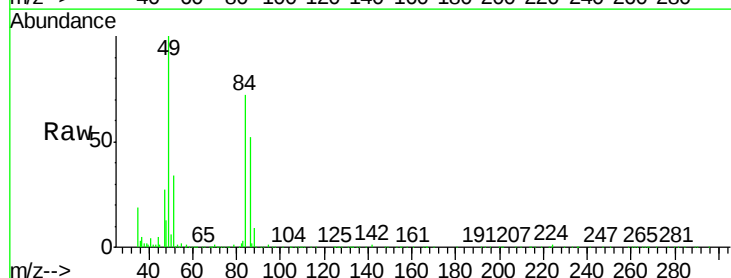
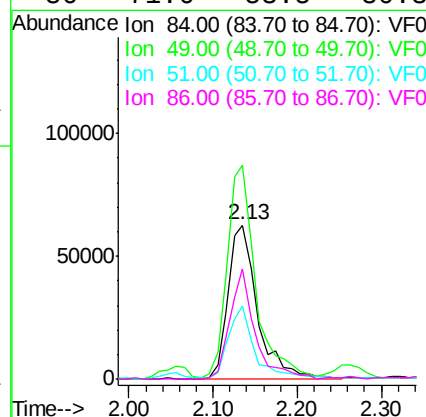
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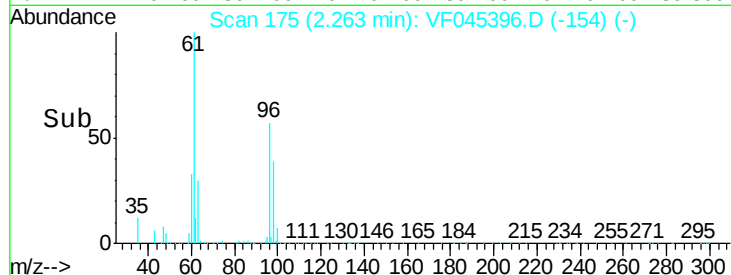
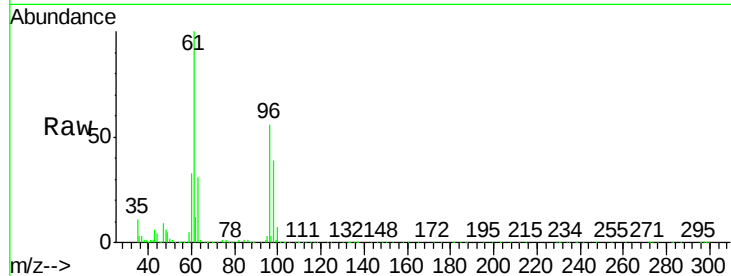
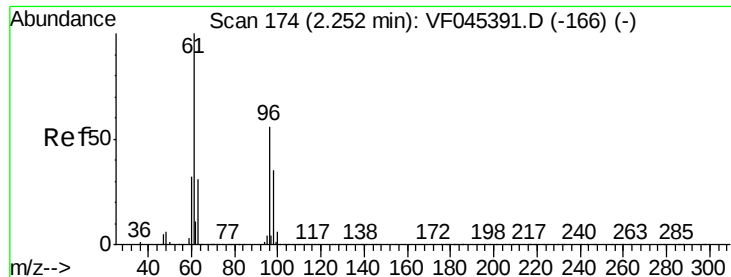
MMDadoda
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#20
Methylene Chloride
Concen: 17.65 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.7	122.8	184.2
51	47.0	35.4	53.2
86	71.6	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF045396.D

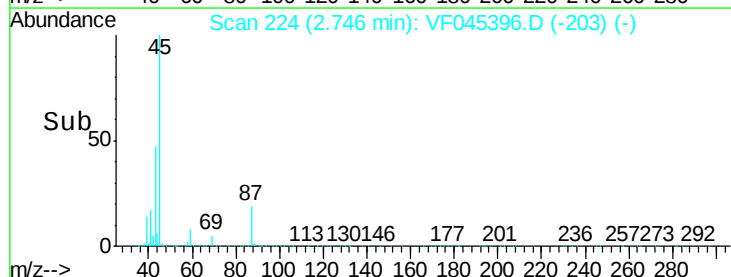
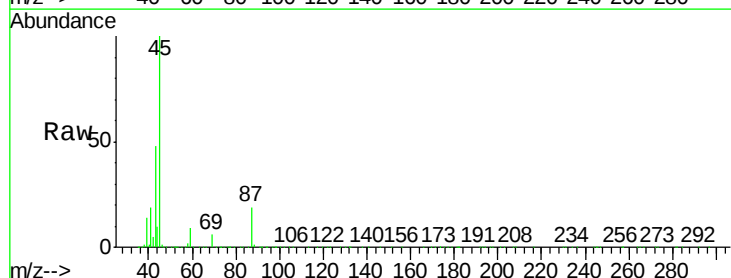
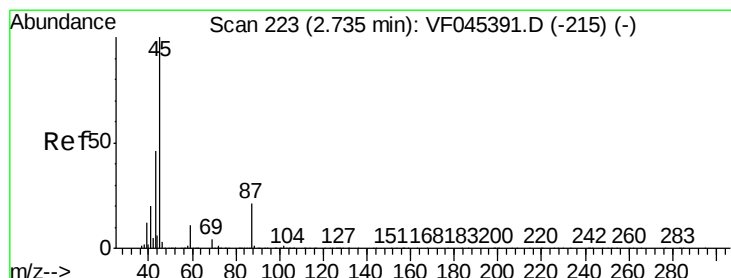
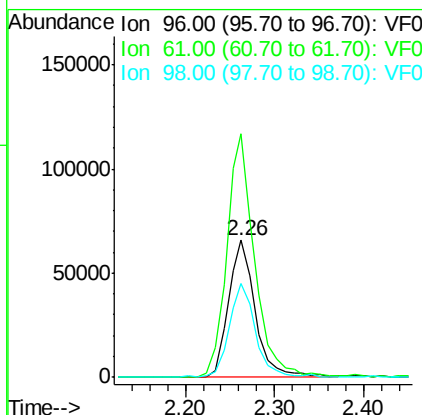
Acq: 16 Sep 2015 18:12

Tot Ion:	96	Resp:	140062
Ion Ratio	Lower	Upper	
96	100		
61	177.8	136.8	205.2
98	68.8	51.0	76.4

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

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#22

Diisopropyl ether

Concen: 20.03 ug/l

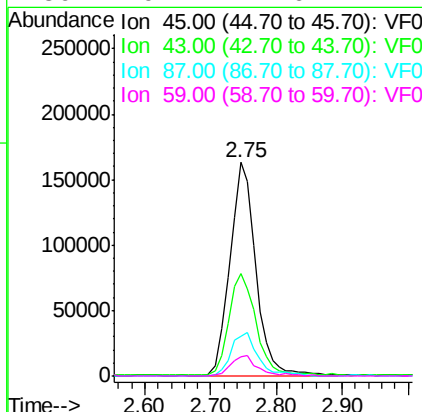
RT: 2.75 min Scan# 224

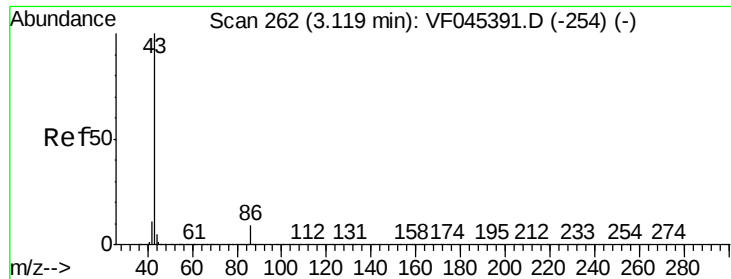
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	45	Resp:	451086
Ion Ratio	Lower	Upper	
45	100		
43	47.7	42.2	63.4
87	18.7	16.6	25.0
59	9.2	7.6	11.4





#23

Vinyl Acetate

Concen: 102.51 ug/l

RT: 3.13 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 43 Resp: 673955

Ion Ratio Lower Upper

43 100

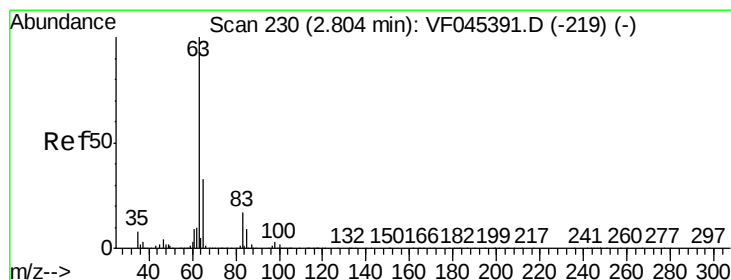
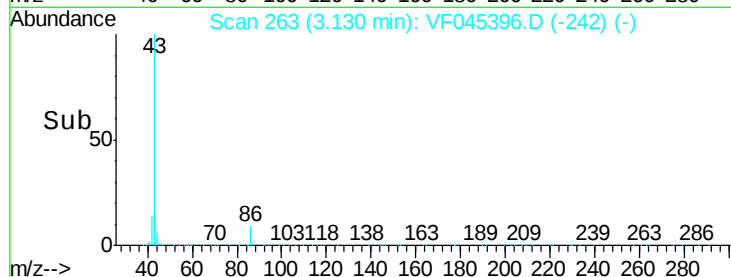
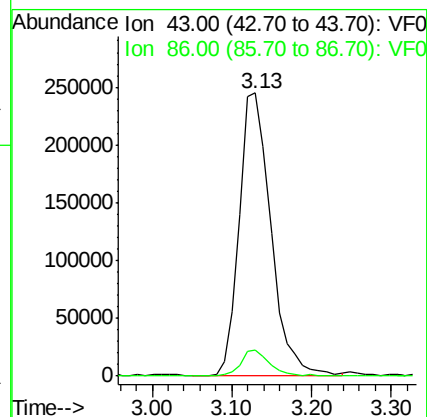
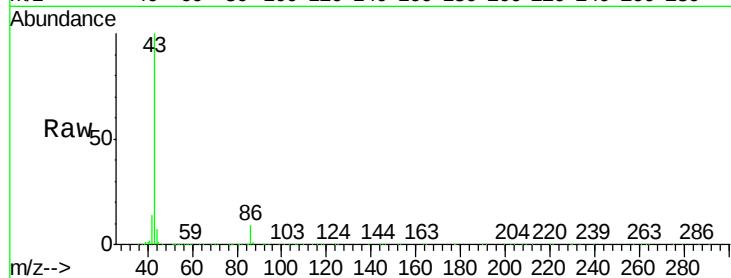
86 9.2 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.28 ug/l

RT: 2.81 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

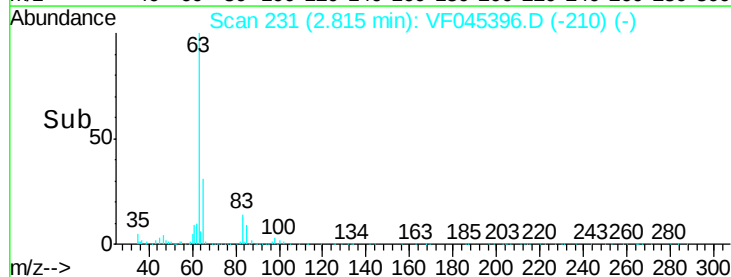
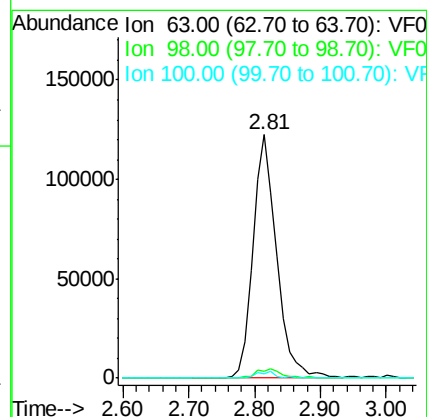
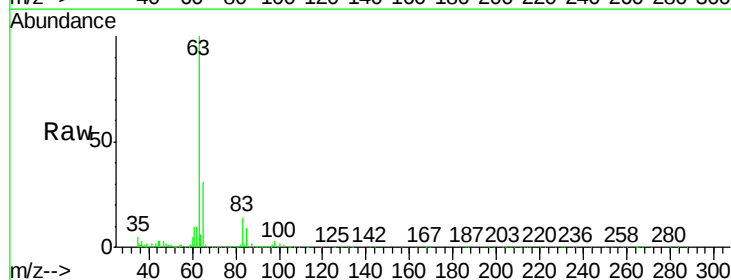
Tgt Ion: 63 Resp: 309147

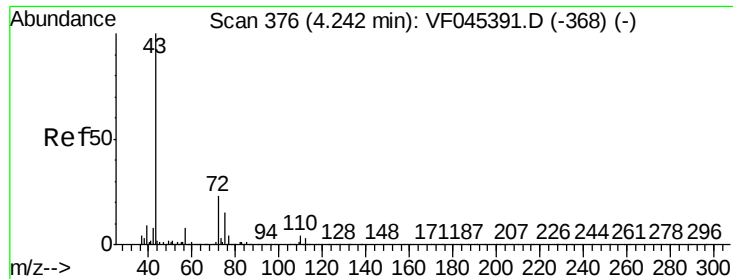
Ion Ratio Lower Upper

63 100

98 2.7 2.2 6.6

100 1.9 1.1 3.5





#25

2-Butanone

Concen: 100.44 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tot Ion: 43 Resp: 380520

Ion Ratio Lower Upper

43 100

72 23.7 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

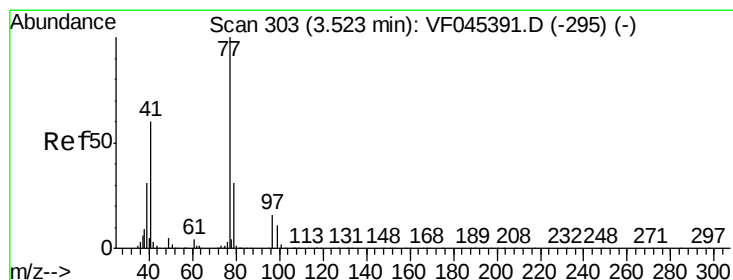
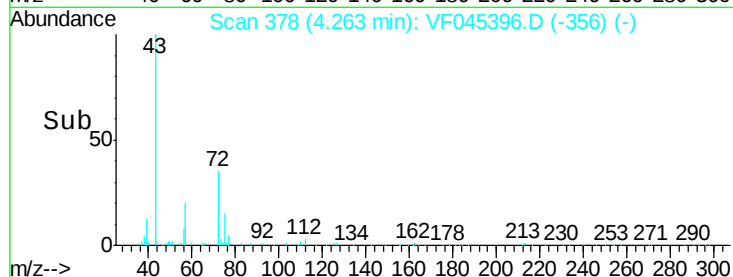
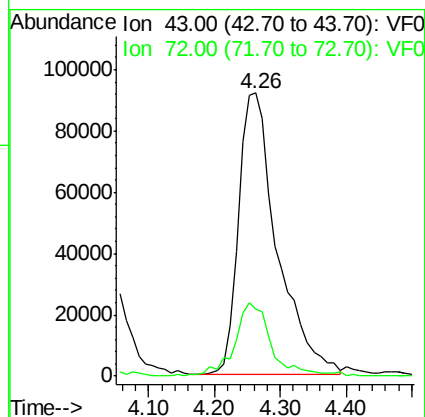
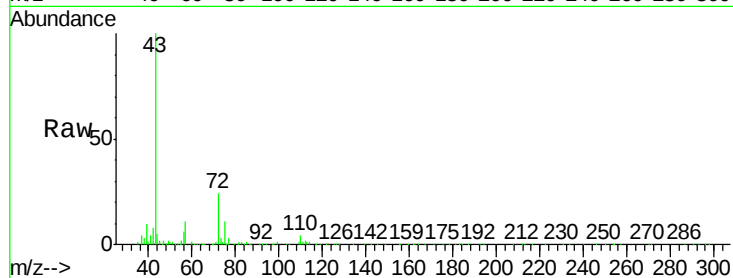
VF0916SBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.87 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF045396.D

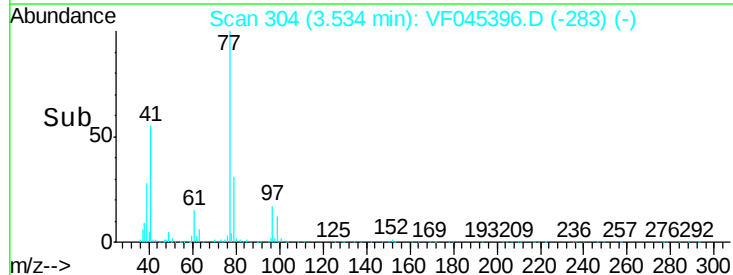
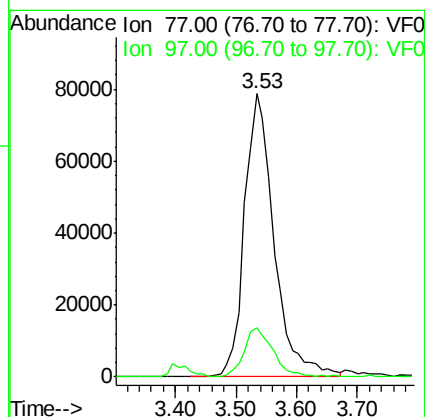
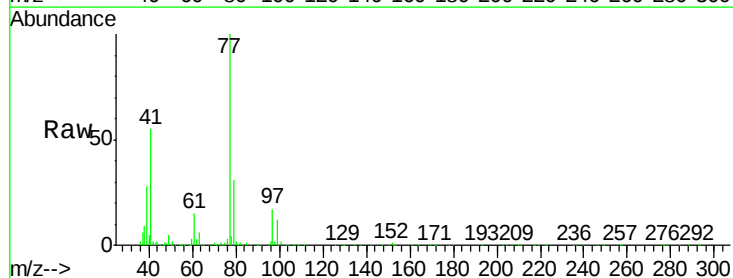
Acq: 16 Sep 2015 18:12

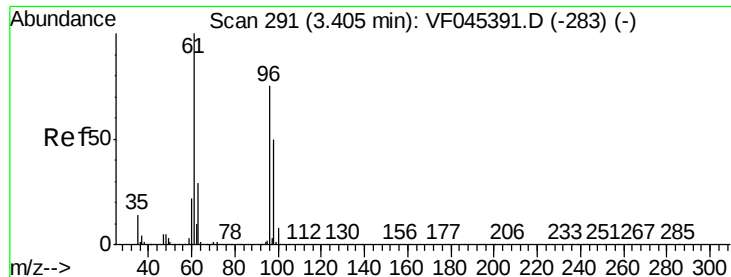
Tgt Ion: 77 Resp: 267840

Ion Ratio Lower Upper

77 100

97 17.4 9.2 27.4





#27

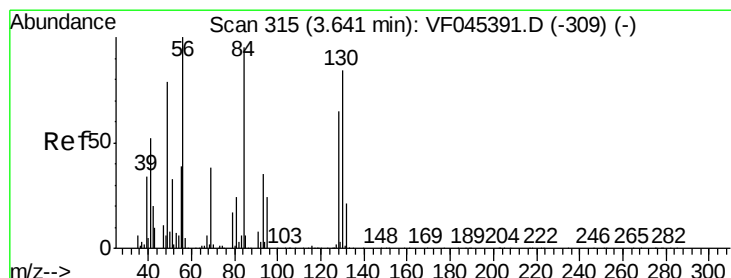
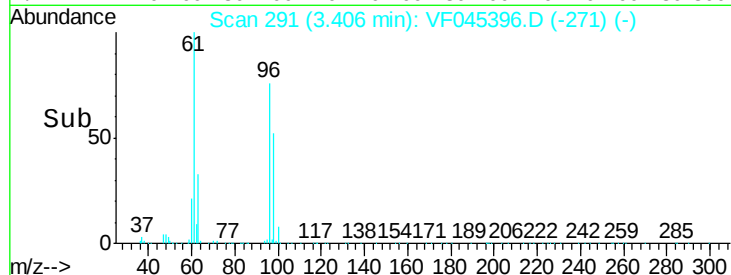
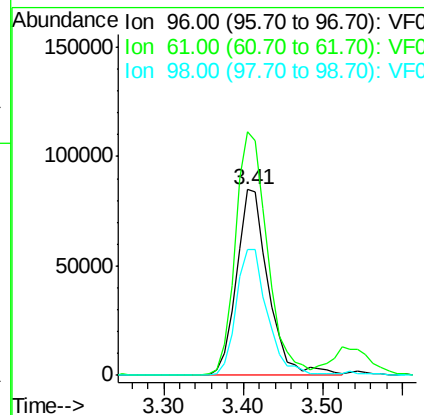
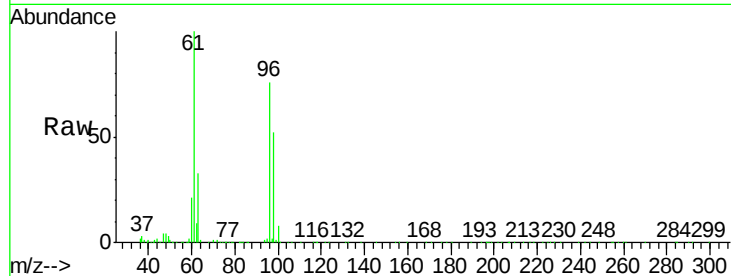
cis-1,2-Dichloroethene
 Concen: 20.02 ug/l
 RT: 3.41 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	130.9	0.0	268.6
98	68.0	0.0	135.8

Manual Integrations
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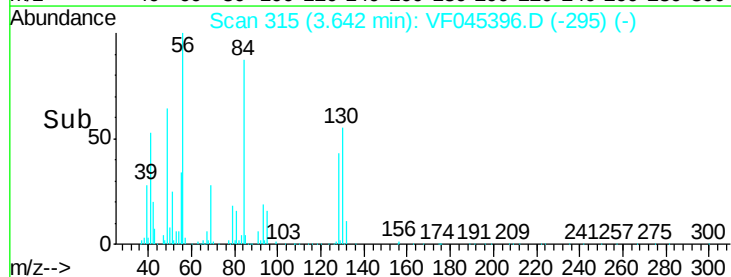
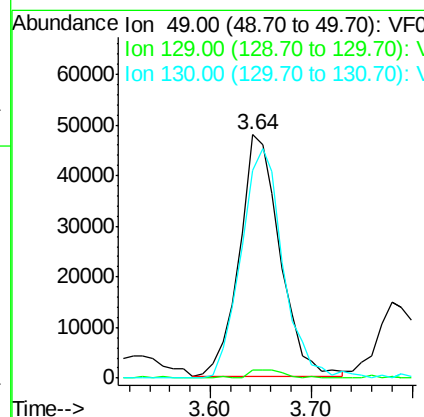
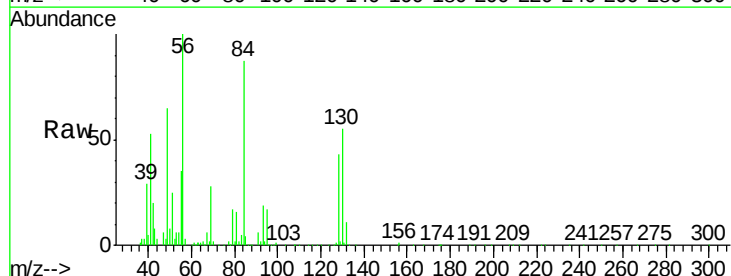
MMDadoda
 9/17/2015 12:51:10 PM

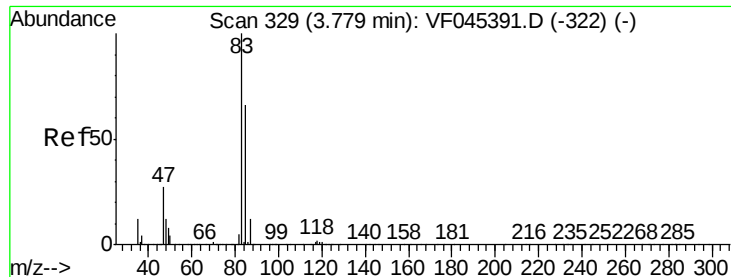


#28

Bromochloromethane
 Concen: 22.36 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	3.6	0.0	0.0#
130	85.1	79.6	119.4





#29

Chloroform

Concen: 18.94 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 83 Resp: 405857

Ion Ratio Lower Upper

83 100

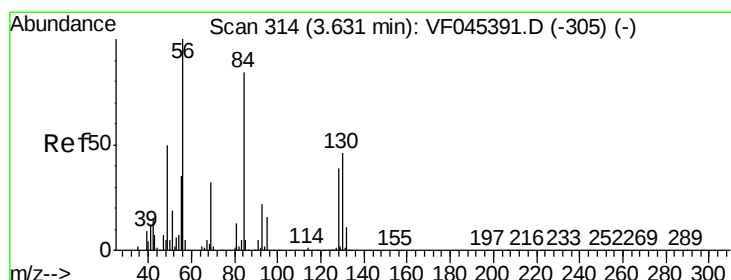
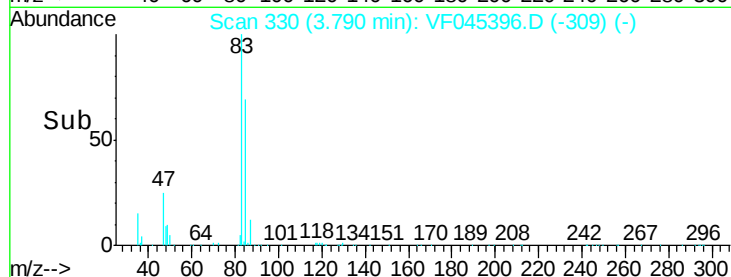
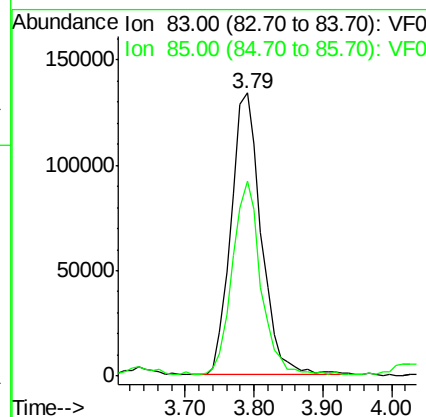
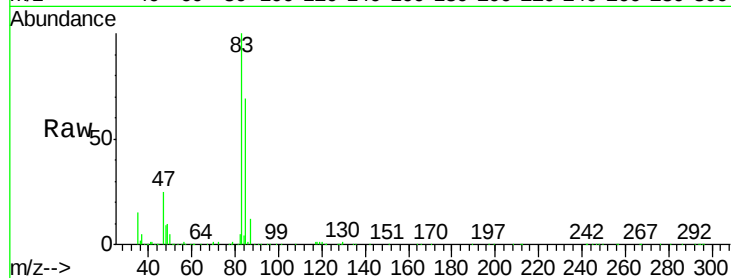
85 68.8 51.6 77.4

Manual Integrations

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#30

Cyclohexane

Concen: 21.89 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

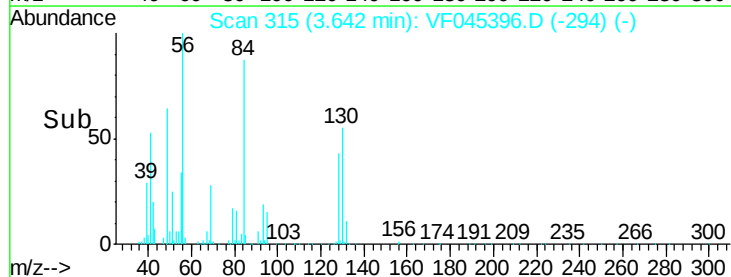
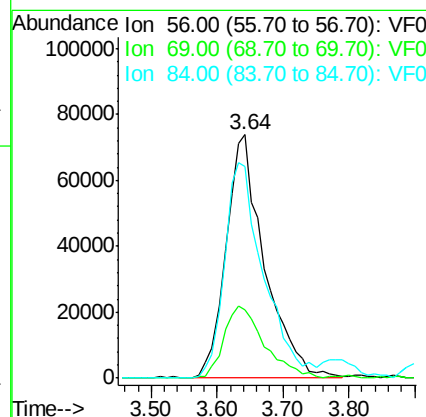
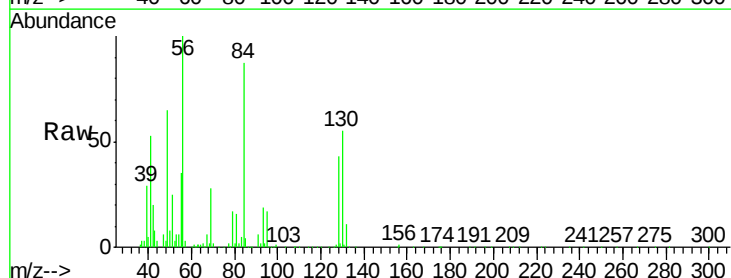
Tgt Ion: 56 Resp: 301152

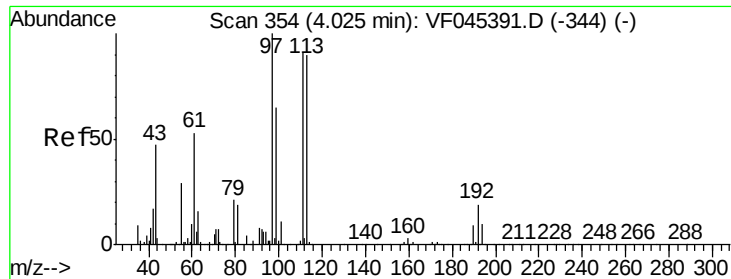
Ion Ratio Lower Upper

56 100

69 27.8 26.1 39.1

84 86.9 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 18.72 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

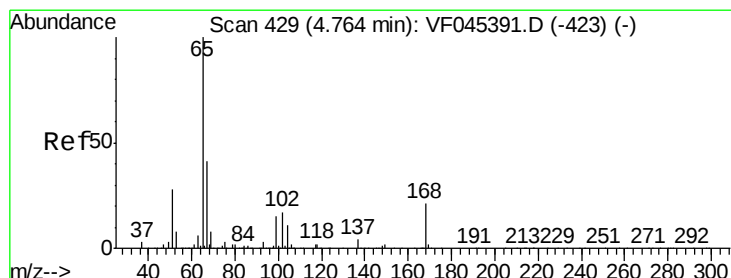
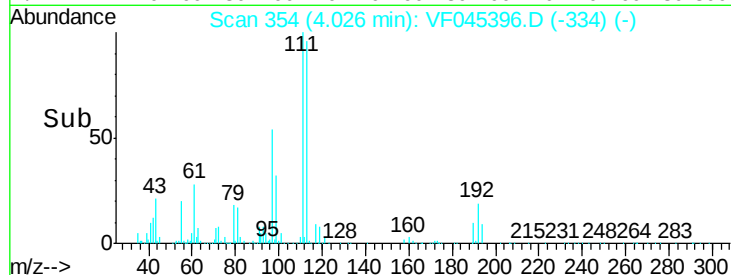
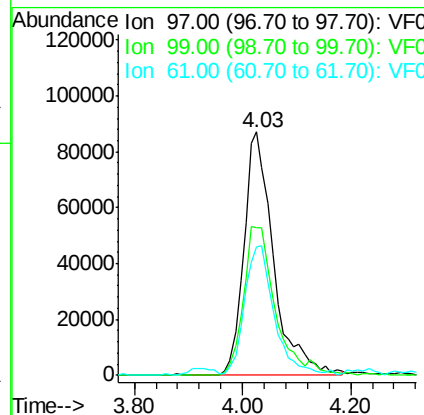
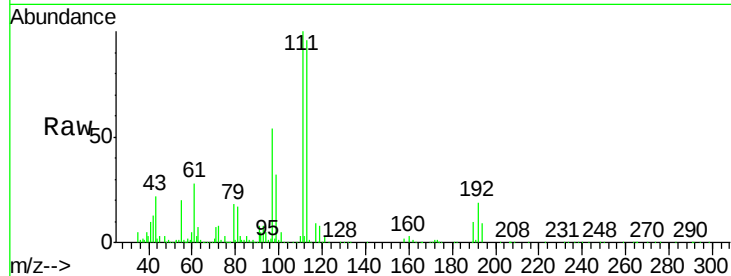
ClientSampleId :

VF0916SBS01

Tot Ion:	97	Resp:	332279
Ion Ratio	Lower	Upper	
97	100		
99	60.5	51.1	76.7
61	52.8	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 45.86 ug/l

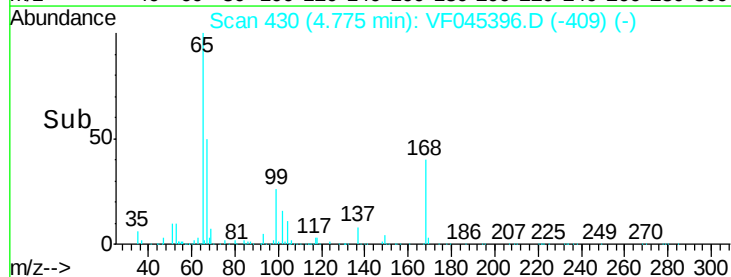
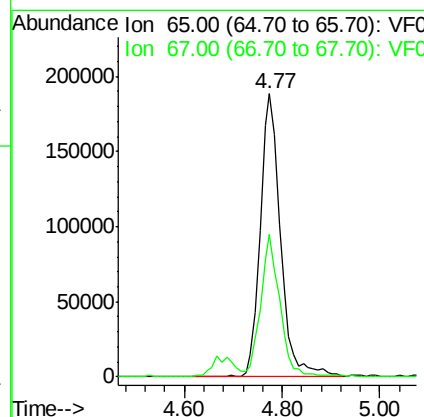
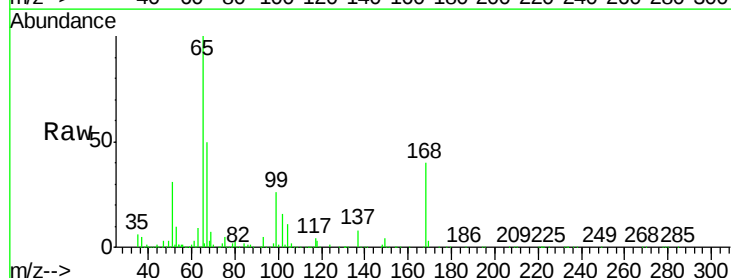
RT: 4.77 min Scan# 430

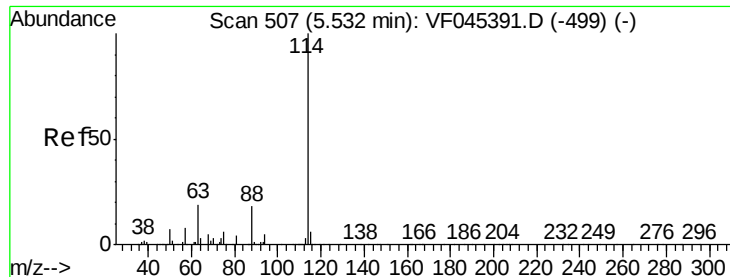
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	65	Resp:	547081
Ion Ratio	Lower	Upper	
65	100		
67	50.2	0.0	102.2





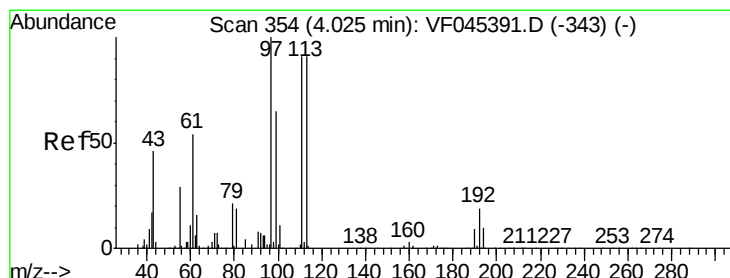
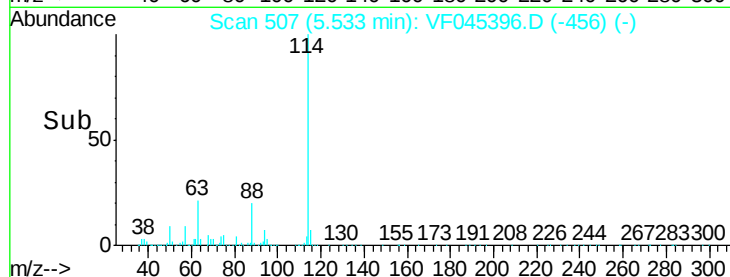
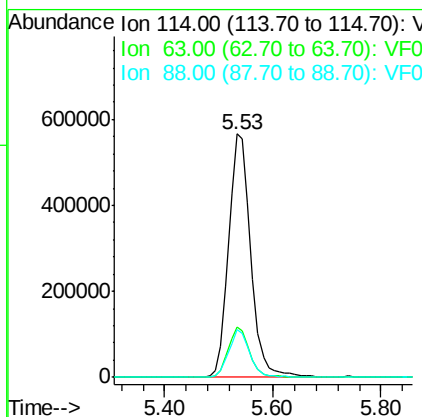
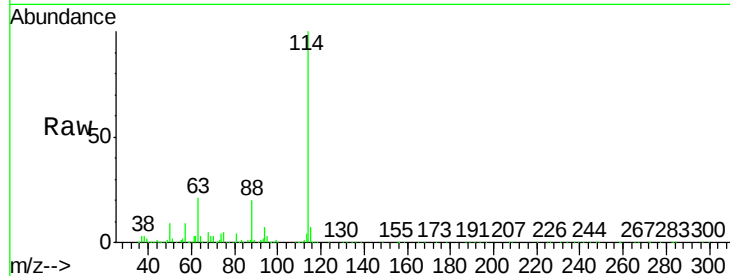
#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.53 min Scan# 507
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.2
88	19.6	0.0	37.0

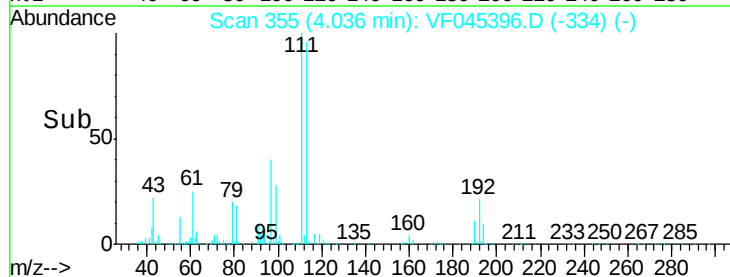
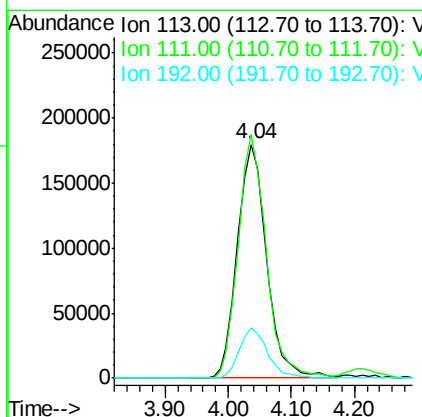
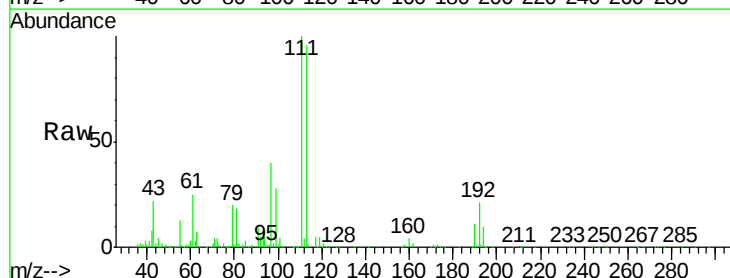
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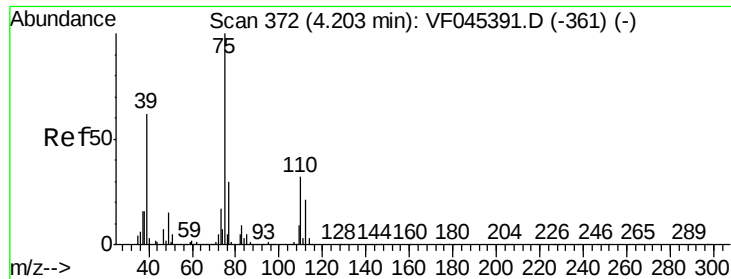
MMDadoda
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#34
Dibromofluoromethane
Concen: 46.14 ug/l
RT: 4.04 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	75.5	113.3
192	21.5	15.6	23.4





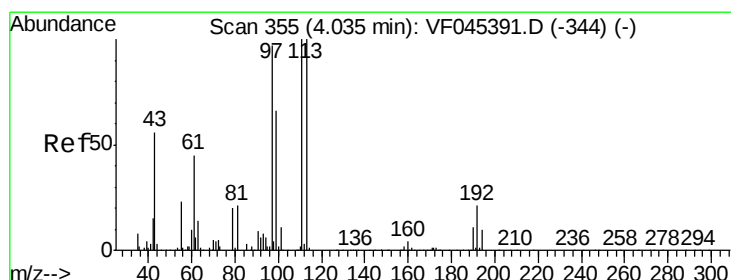
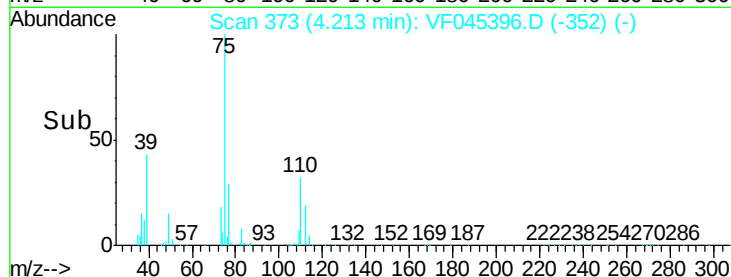
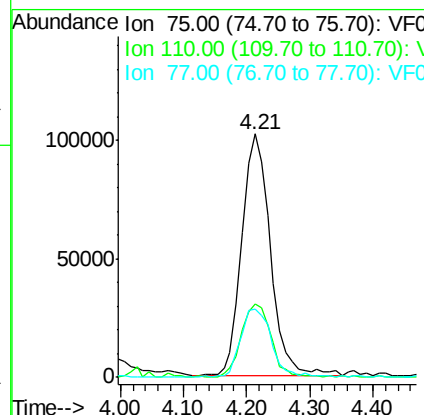
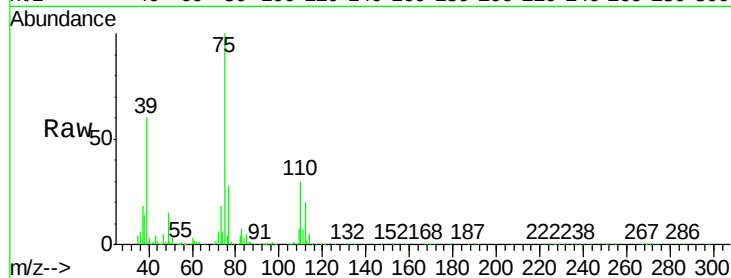
#35
 1,1-Dichloropropene
 Concen: 20.99 ug/l
 RT: 4.21 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	321637		
110	30.4	15.9	47.6	
77	28.0	24.2	36.4	

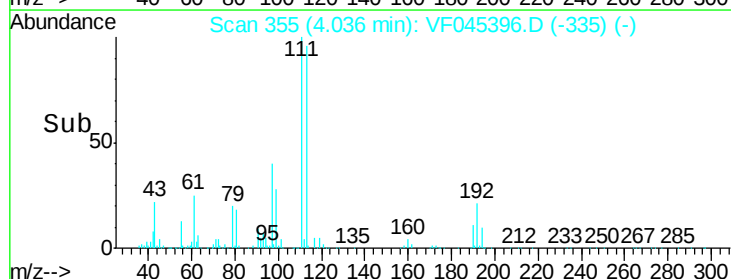
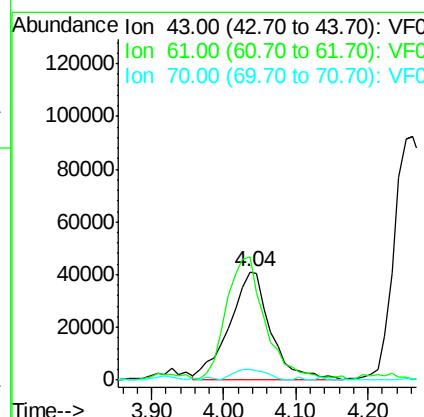
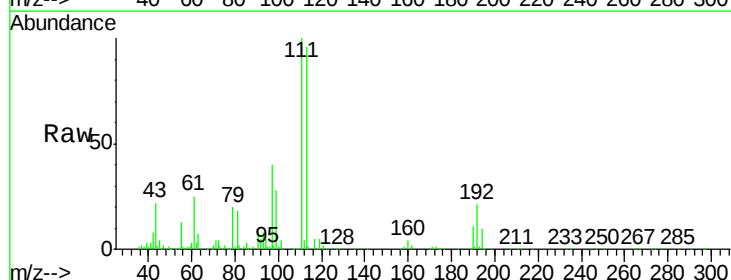
Manual Integrations
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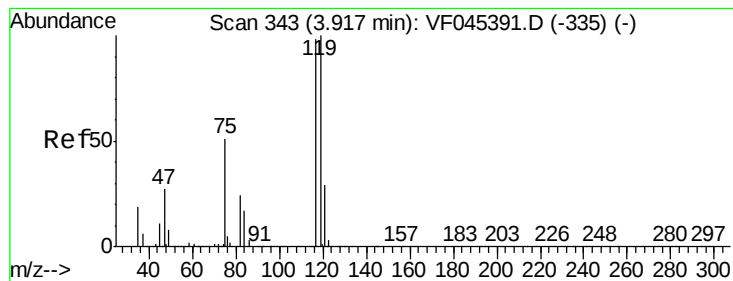
MMDadoda
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#36
 Ethyl Acetate
 Concen: 20.55 ug/l
 RT: 4.04 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	159286		
61	113.5	49.4	74.0#	
70	9.3	10.8	16.2#	





#37

Carbon Tetrachloride

Concen: 18.55 ug/l

RT: 3.93 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

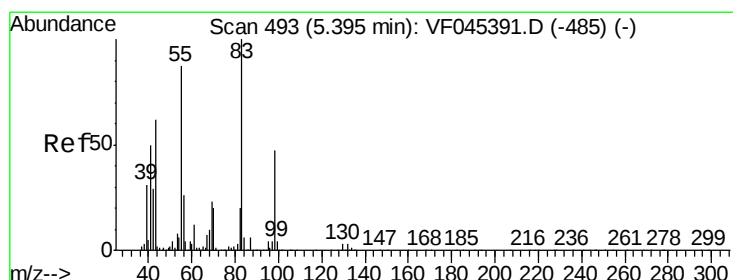
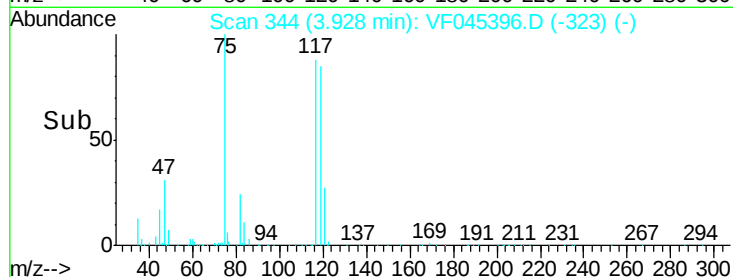
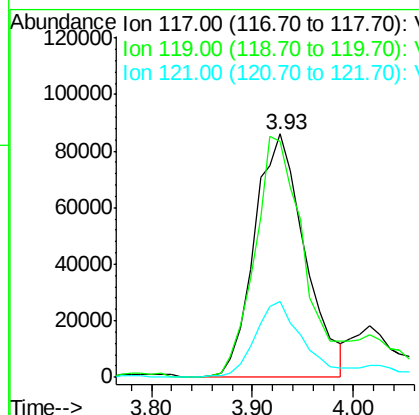
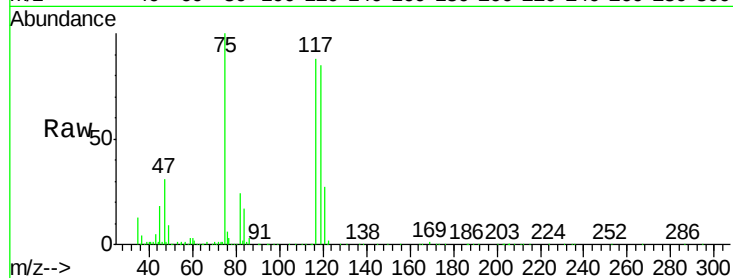
ClientSampleId :

VF0916SBS01

Tot Ion:	117	Resp:	299304
Ion Ratio	Lower	Upper	
117	100		
119	96.9	77.8	116.8
121	31.0	25.4	38.0

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#38

Methylcyclohexane

Concen: 20.26 ug/l

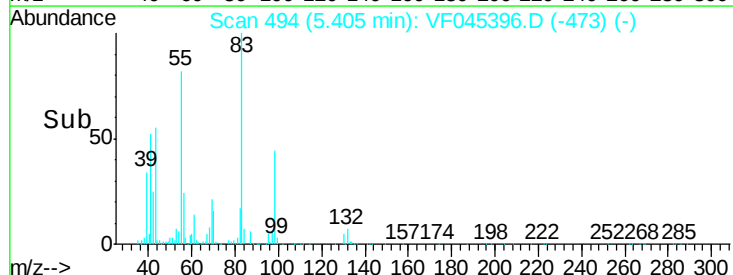
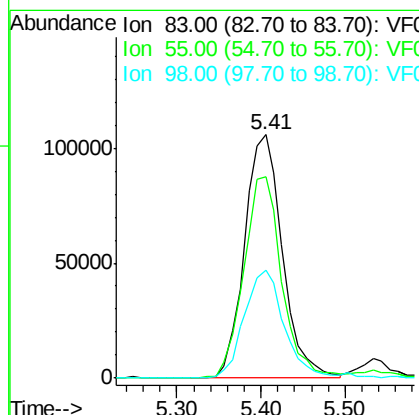
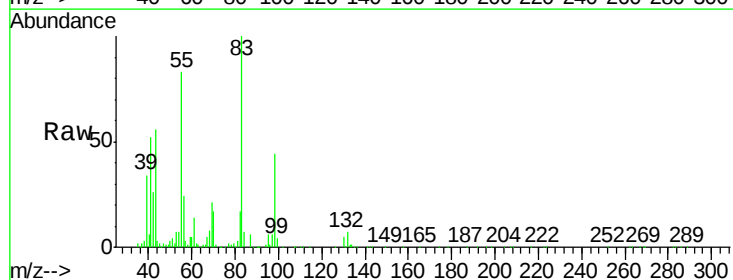
RT: 5.41 min Scan# 494

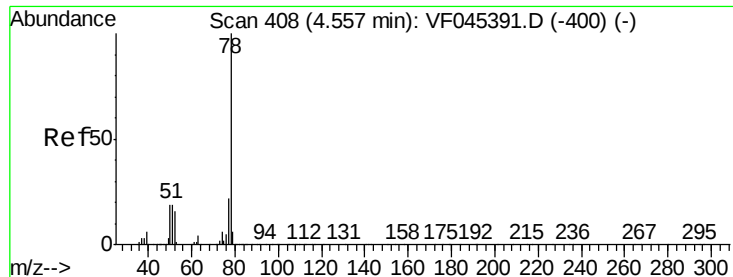
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	83	Resp:	333628
Ion Ratio	Lower	Upper	
83	100		
55	82.6	60.5	90.7
98	44.1	38.1	57.1





#39

Benzene

Concen: 21.09 ug/l

RT: 4.57 min Scan# 409

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 78 Resp: 755485

Ion Ratio Lower Upper

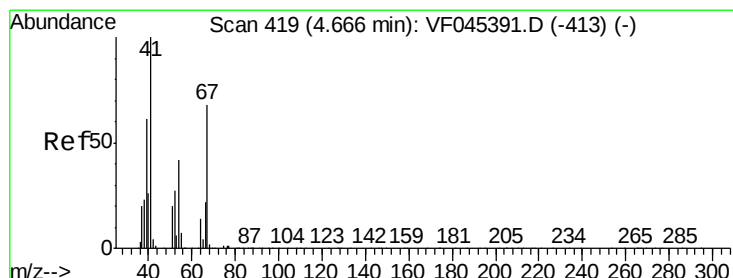
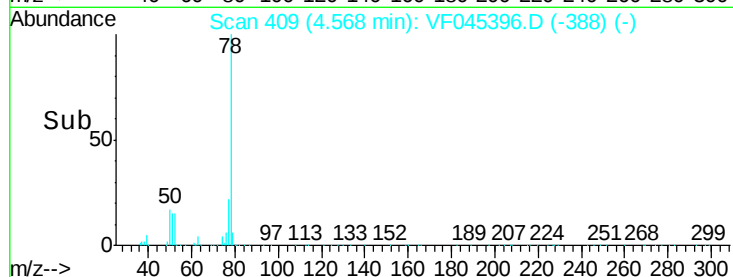
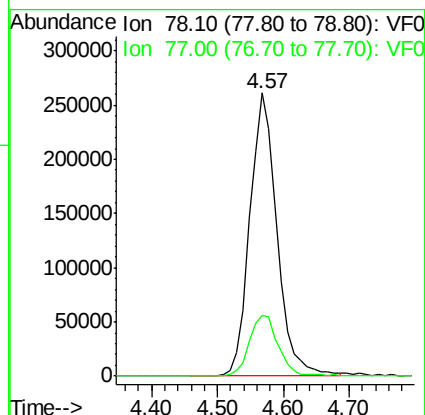
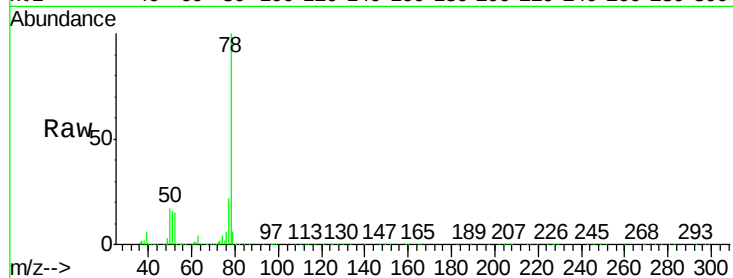
78 100

77 21.6 18.6 28.0

Manual Integrations
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#40

Methacrylonitrile

Concen: 20.23 ug/l

RT: 4.68 min Scan# 420

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion: 41 Resp: 74217

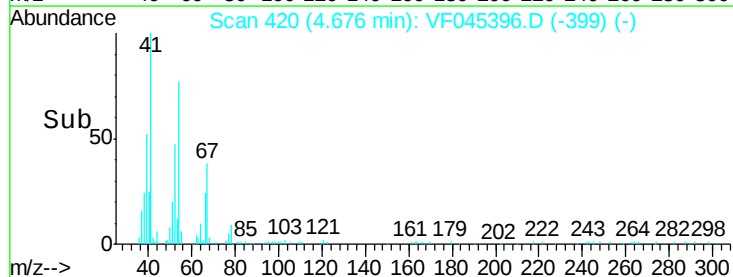
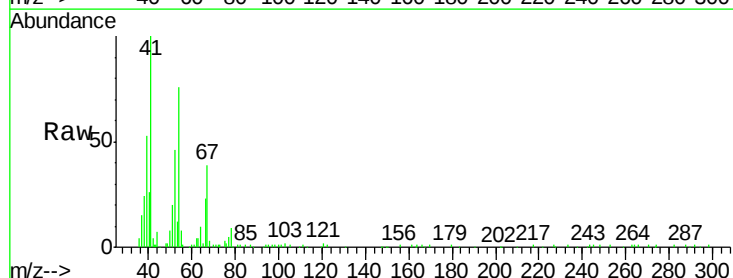
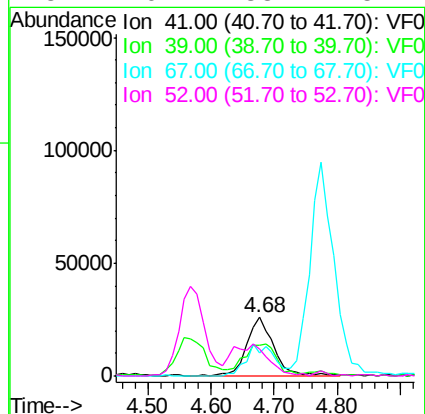
Ion Ratio Lower Upper

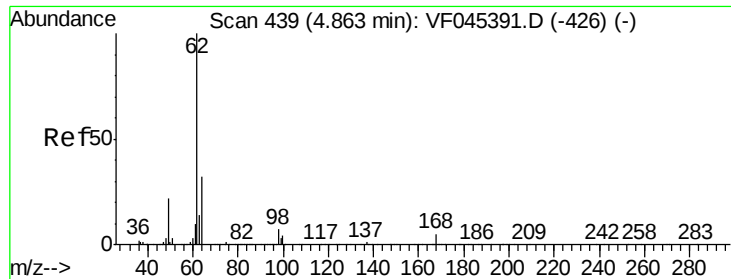
41 100

39 52.8 44.9 67.3

67 38.5 49.0 73.4#

52 46.4 38.2 57.2





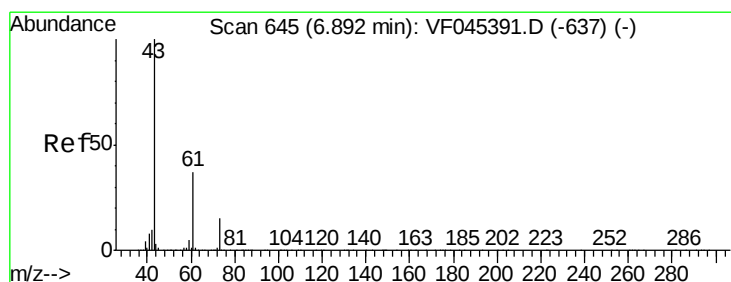
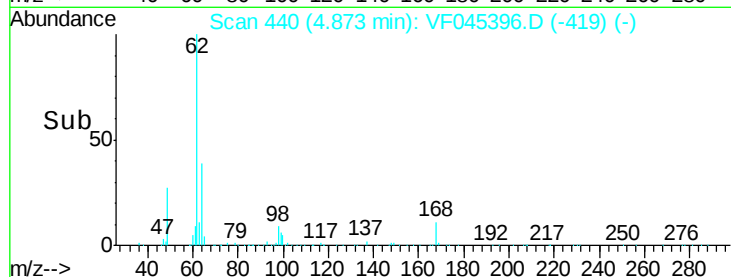
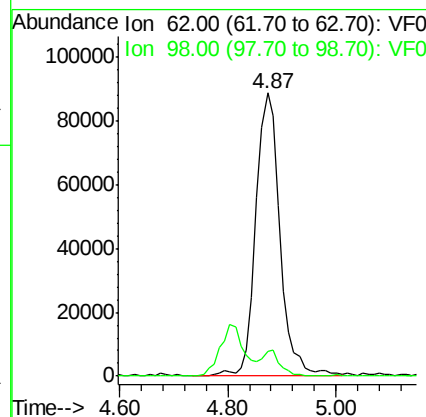
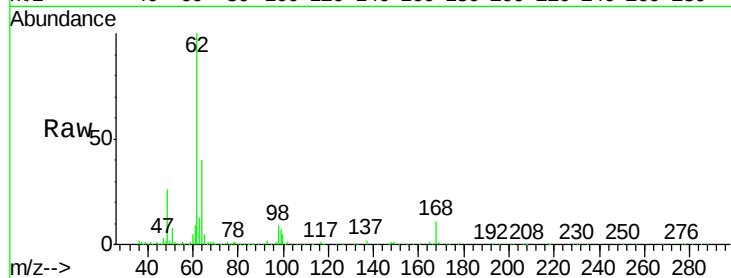
#41
1,2-Dichloroethane
Concen: 19.01 ug/l
RT: 4.87 min Scan# 440
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	274727		
98	8.8	0.0	17.0	

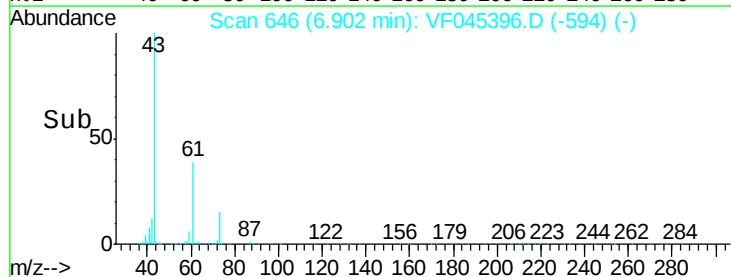
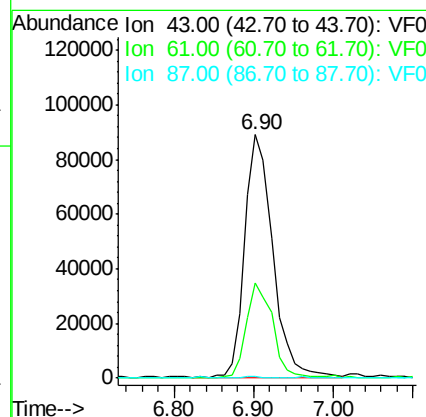
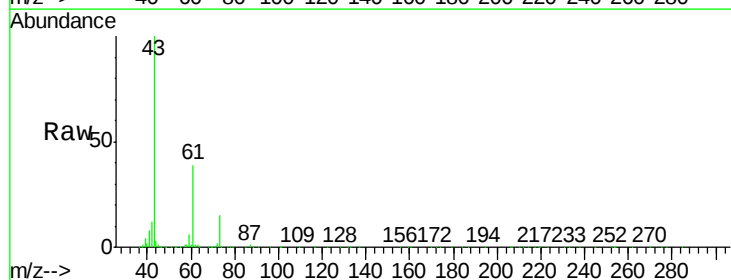
Manual Integrations
APPROVED

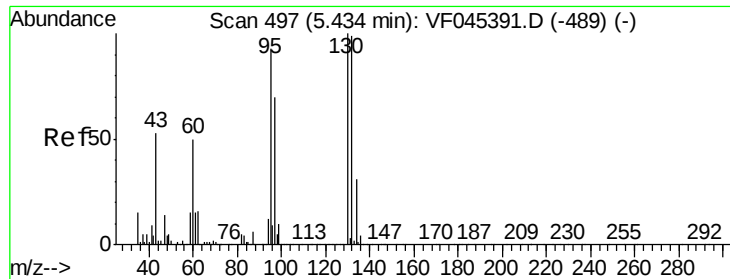
MMDadoda
9/17/2015 12:51:10 PM



#42
Isopropyl Acetate
Concen: 21.33 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	217853		
61	39.1	29.8	44.6	
87	0.8	0.2	0.2#	





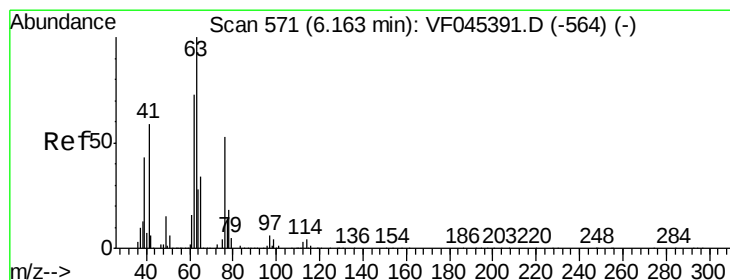
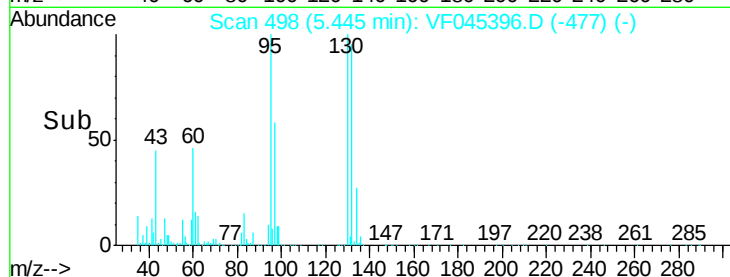
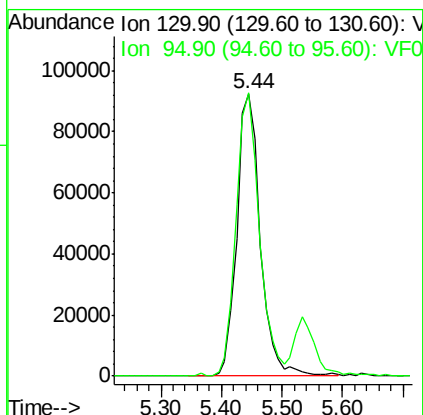
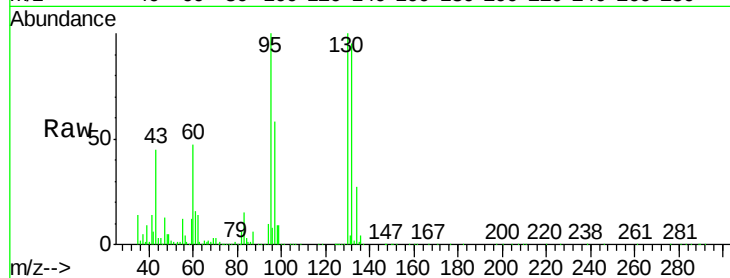
#43
 Trichloroethene
 Concen: 20.36 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.01 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
130	100	249003		
95	100.2	0.0	192.2	

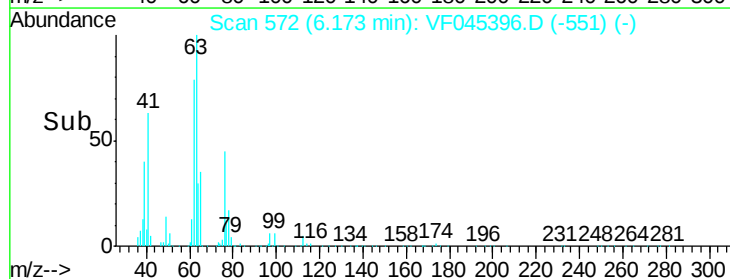
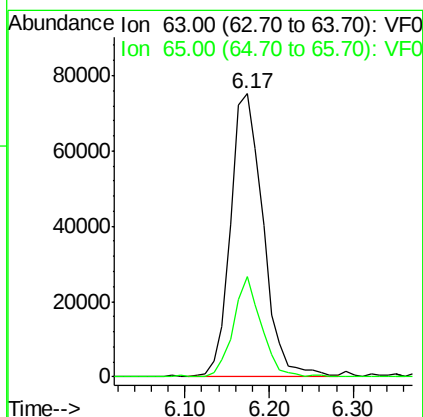
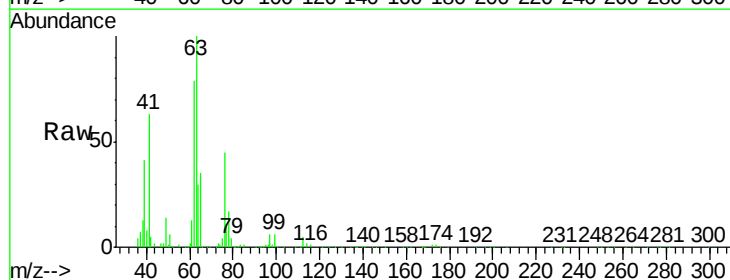
Manual Integrations
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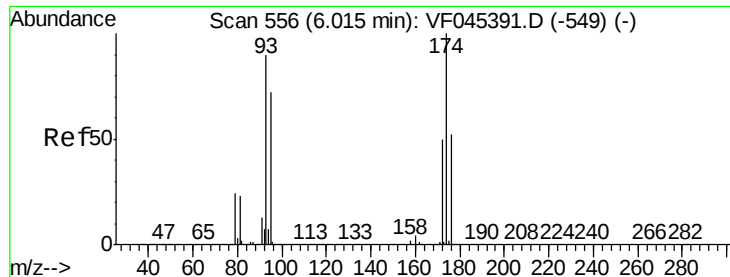
MMDadoda
 9/17/2015 12:51:10 PM



#44
 1,2-Dichloropropane
 Concen: 19.50 ug/l
 RT: 6.17 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	203510		
65	35.4	25.6	38.4	





#45

Dibromomethane

Concen: 18.91 ug/l

RT: 6.02 min Scan# 556

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

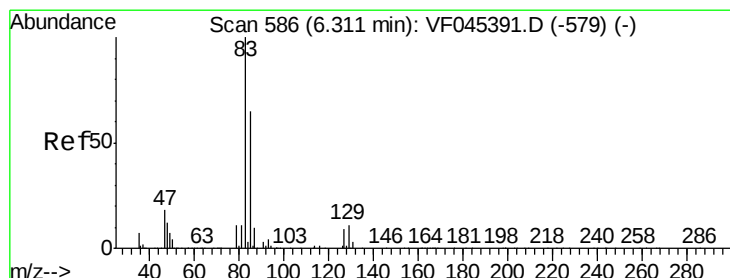
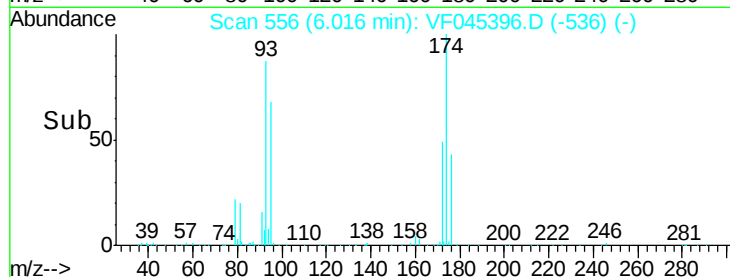
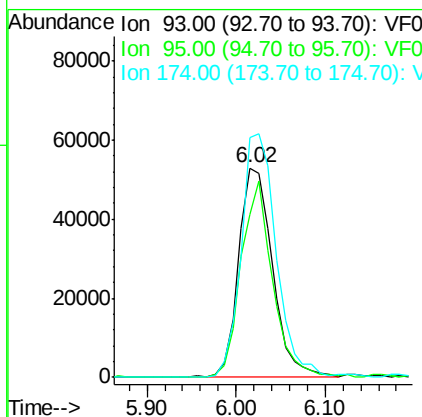
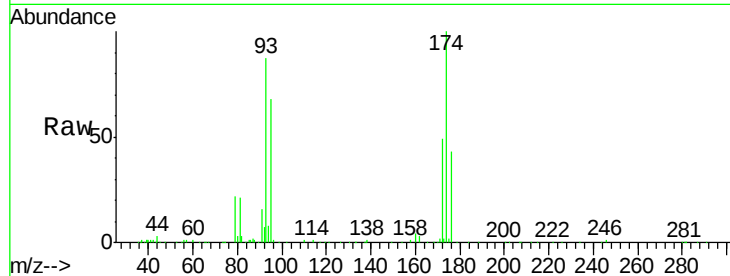
ClientSampleId :

VF0916SBS01

Tot Ion:	93	Resp:	140391
Ion Ratio	Lower	Upper	
93	100		
95	78.1	69.8	104.6
174	114.6	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 18.53 ug/l

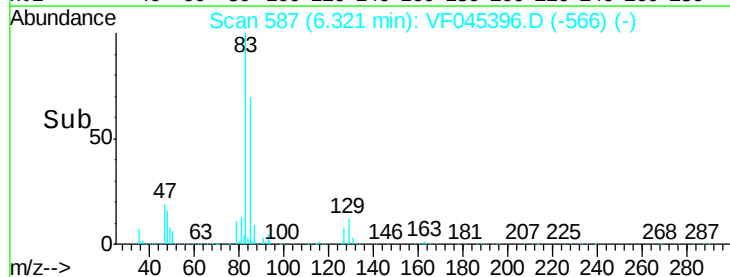
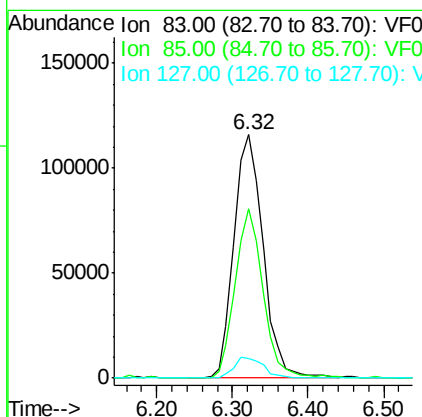
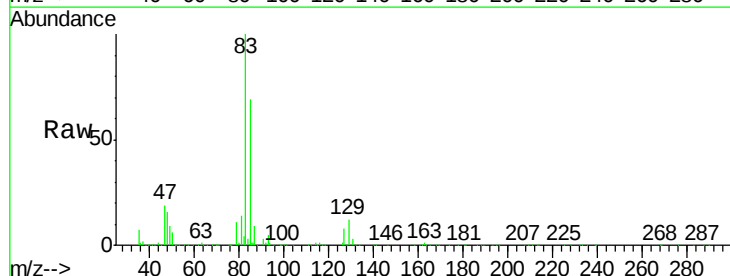
RT: 6.32 min Scan# 587

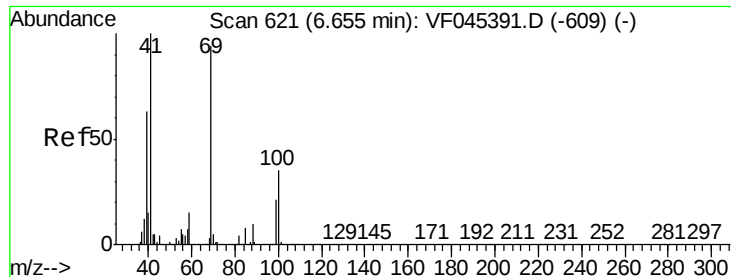
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	83	Resp:	308064
Ion Ratio	Lower	Upper	
83	100		
85	69.5	50.6	75.8
127	8.2	7.7	11.5





#47

Methvl methacrvlate

Concen: 19.10 ug/l

RT: 6.66 min Scan# 621

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

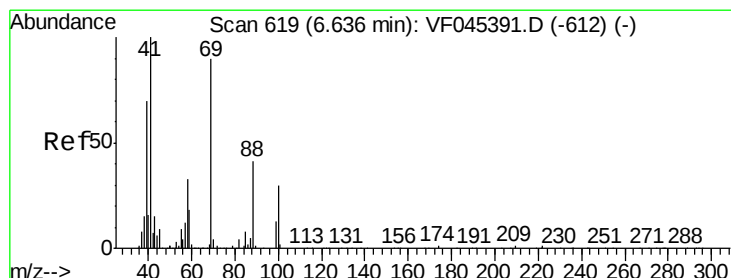
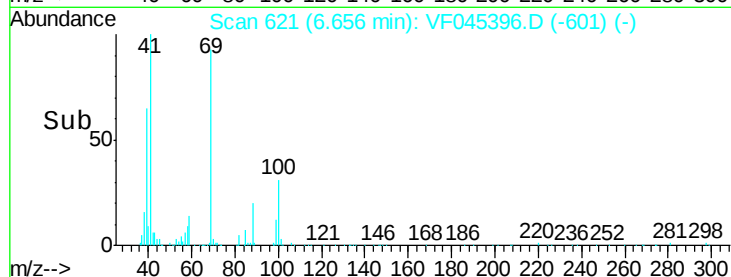
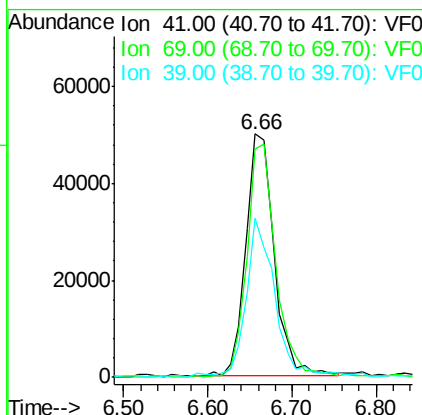
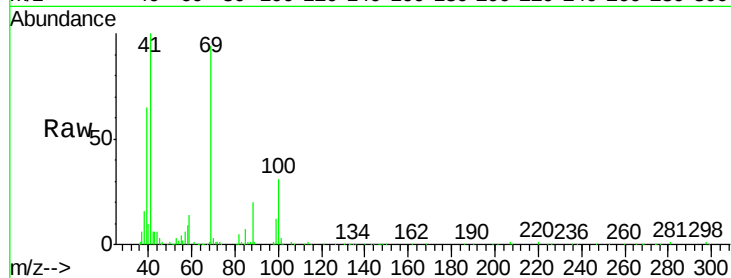
ClientSampleId :

VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	118415		
69	93.6	63.3	94.9	
39	65.2	48.9	73.3	

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#48

1,4-Dioxane

Concen: 402.72 ug/l

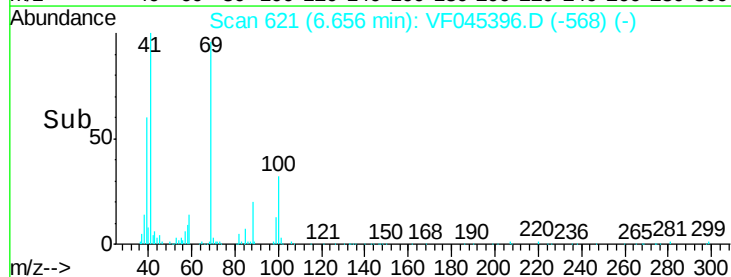
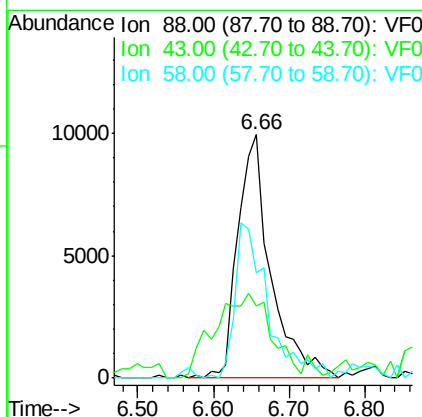
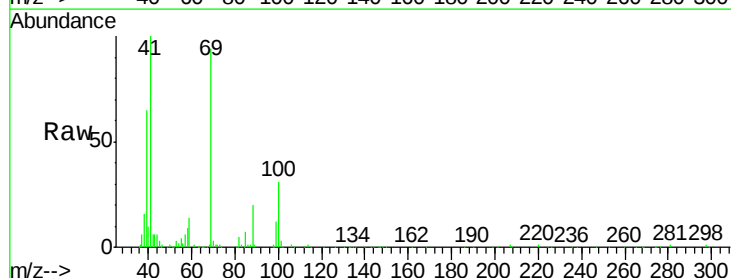
RT: 6.66 min Scan# 621

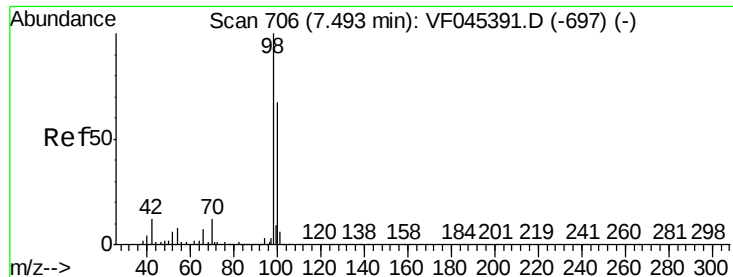
Delta R.T. 0.02 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	29906		
43	29.7	34.5	51.7#	
58	43.4	46.5	69.7#	





#49

Toluene-d8

Concen: 47.80 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tot Ion: 98 Resp: 1761567

Ion Ratio Lower Upper

98 100

100 71.9 54.4 81.6

Instrument :

MSVOA_F

ClientSampleId :

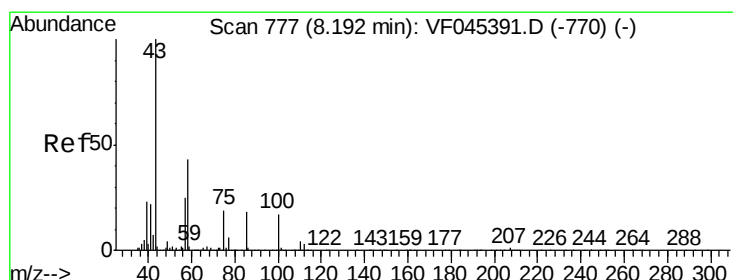
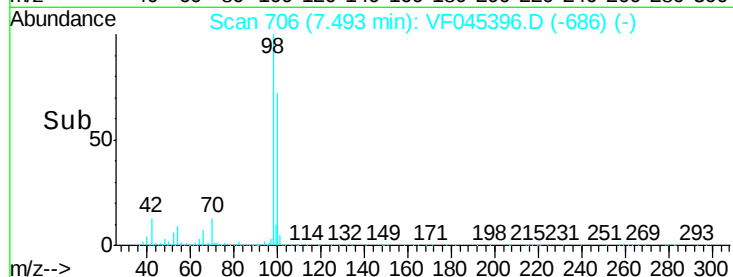
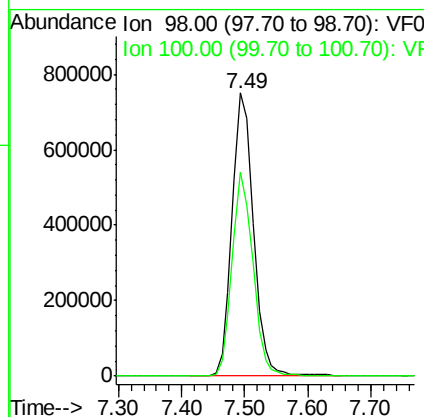
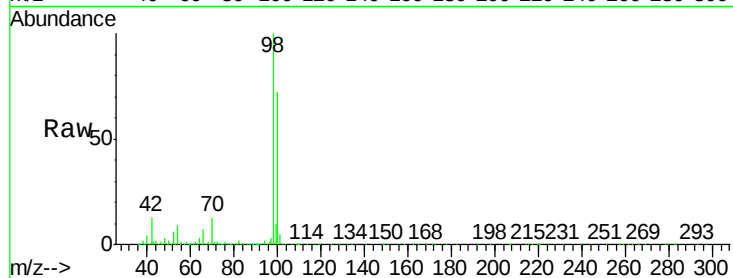
VF0916SBS01

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#50

4-Methyl-2-Pentanone

Concen: 105.44 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF045396.D

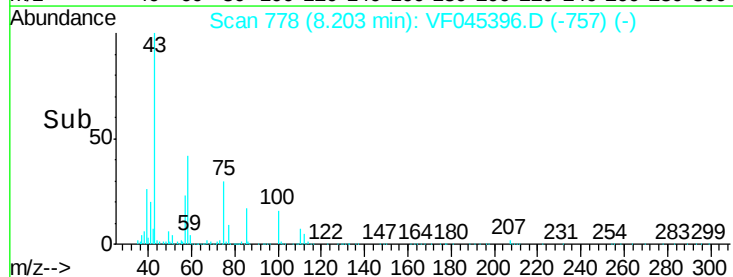
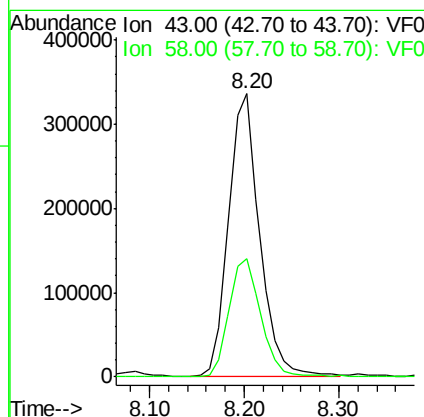
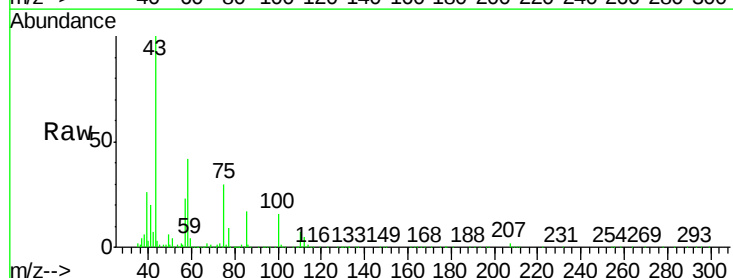
Acq: 16 Sep 2015 18:12

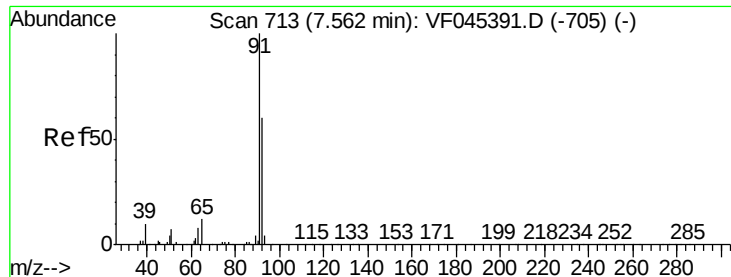
Tgt Ion: 43 Resp: 765816

Ion Ratio Lower Upper

43 100

58 41.8 33.6 50.4





#51

Toluene

Concen: 21.47 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 92 Resp: 592605

Ion Ratio Lower Upper

92 100

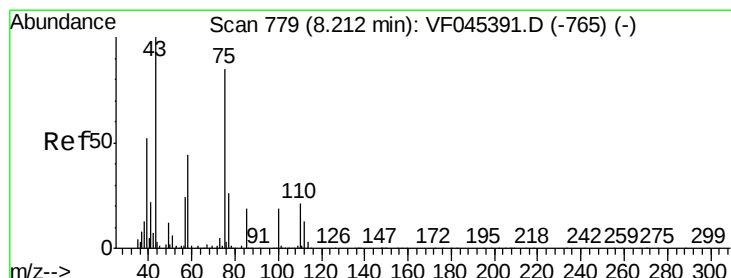
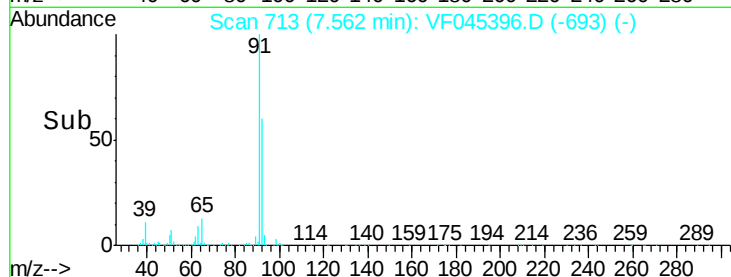
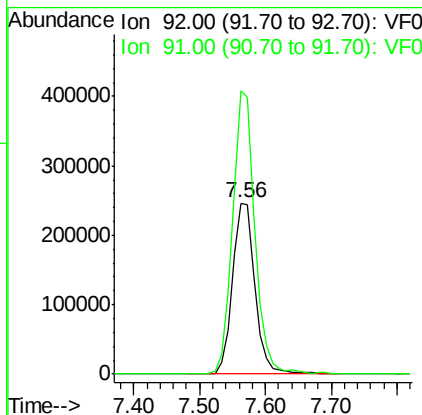
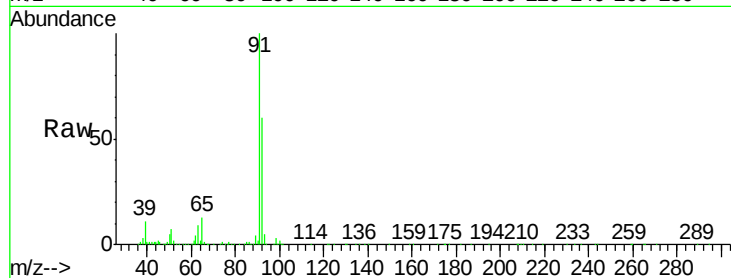
91 165.8 133.4 200.0

Manual Integrations

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#52

t-1,3-Dichloropropene

Concen: 19.84 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF045396.D

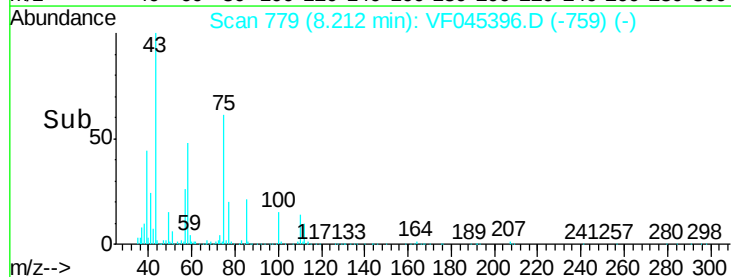
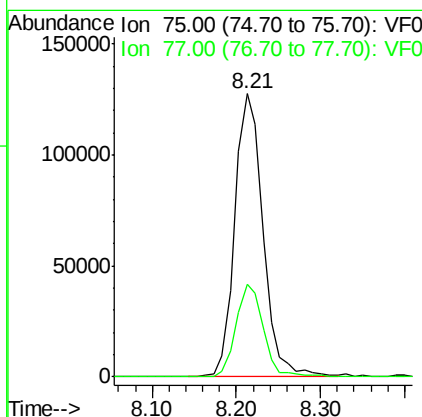
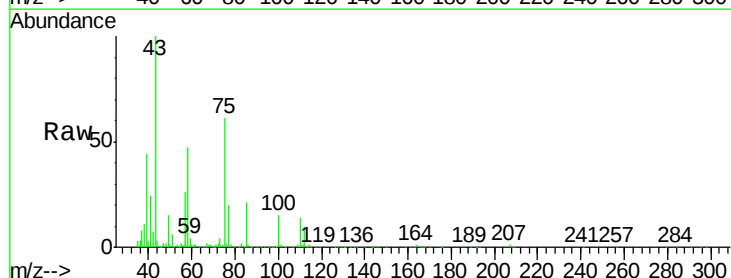
Acq: 16 Sep 2015 18:12

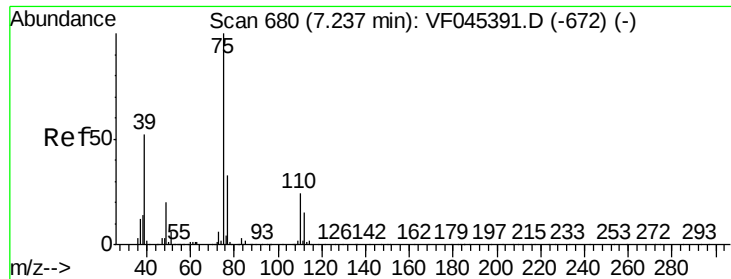
Tgt Ion: 75 Resp: 296569

Ion Ratio Lower Upper

75 100

77 32.8 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 19.65 ug/l

RT: 7.24 min Scan# 680

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

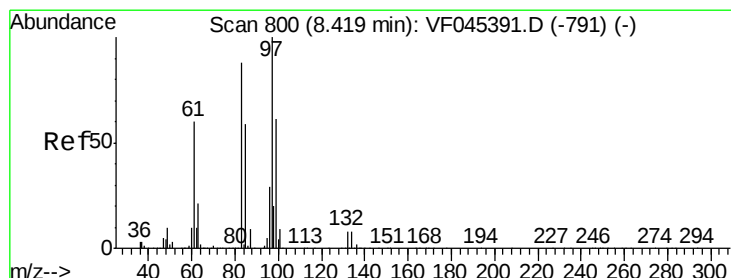
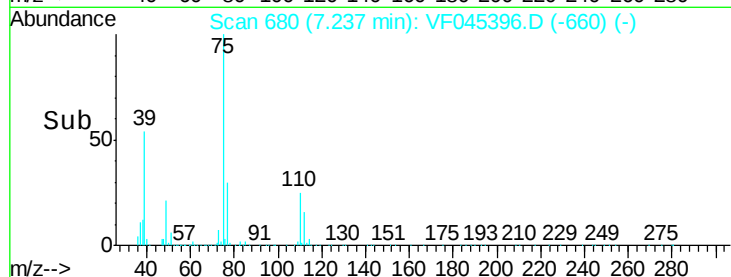
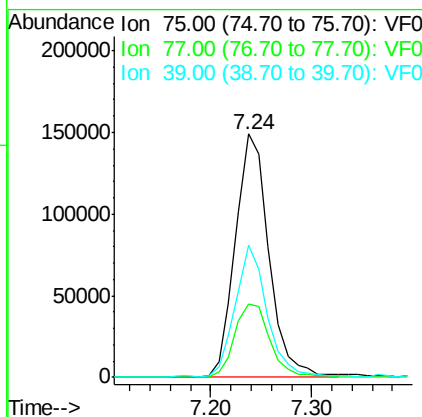
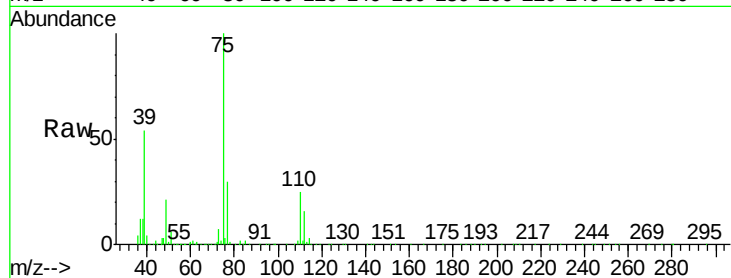
ClientSampleId :

VF0916SBS01

Tot Ion:	75	Resp:	346754
Ion Ratio	Lower	Upper	
75	100		
77	30.2	25.5	38.3
39	54.1	41.6	62.4

Manual Integrations
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#54

1,1,2-Trichloroethane

Concen: 19.89 ug/l

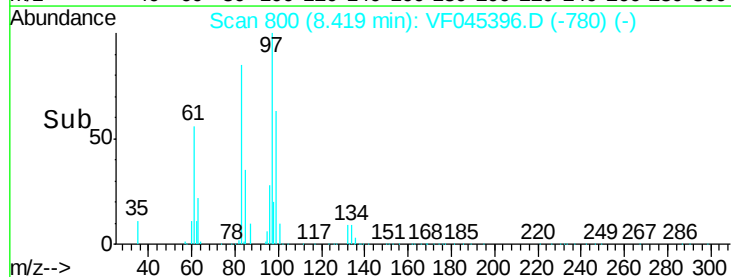
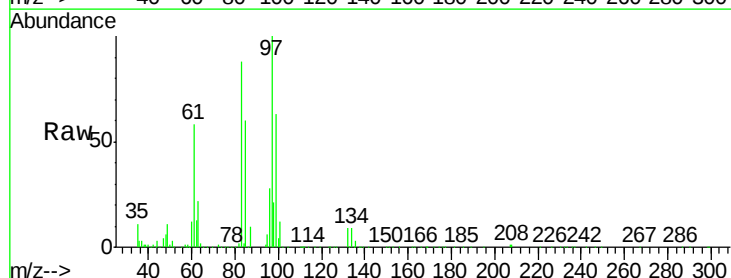
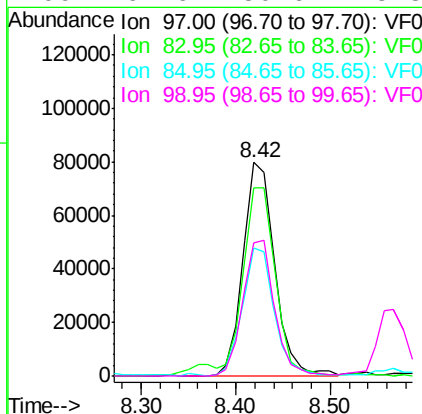
RT: 8.42 min Scan# 800

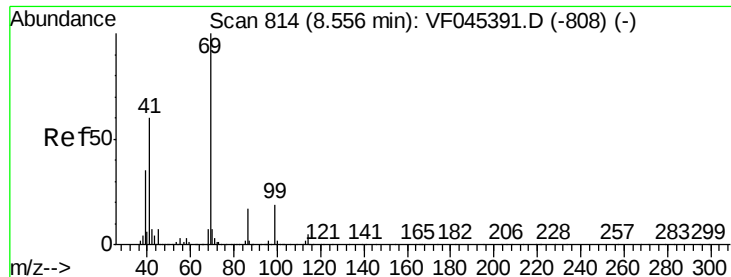
Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	97	Resp:	185672
Ion Ratio	Lower	Upper	
97	100		
83	88.1	70.1	105.1
85	59.7	47.4	71.2
99	62.6	50.6	75.8





#55

Ethyl methacrylate

Concen: 21.24 ug/l

RT: 8.57 min Scan# 815

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

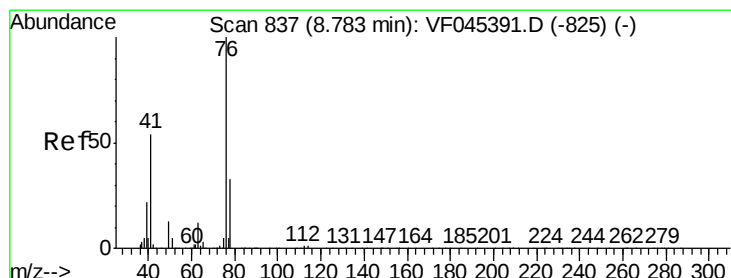
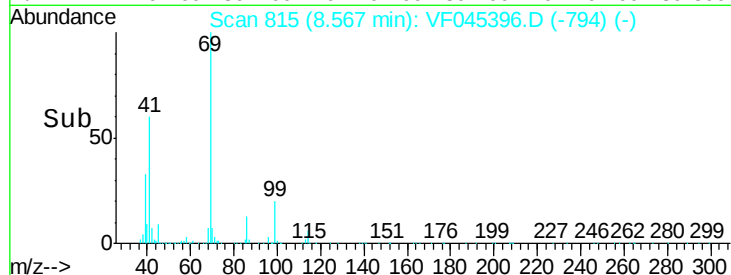
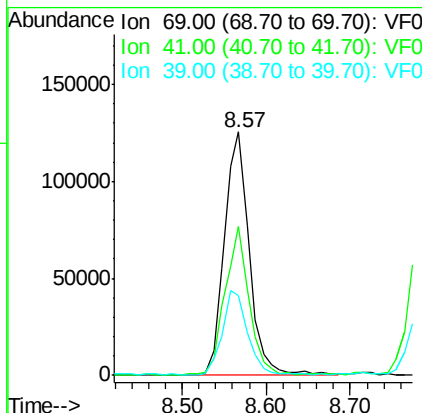
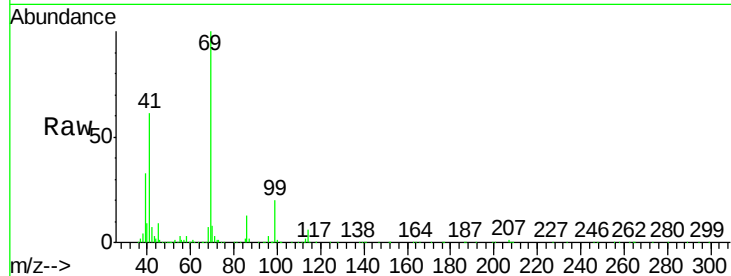
ClientSampleId :

VF0916SBS01

Tot Ion:	69	Resp:	257955
Ion Ratio	Lower	Upper	
69	100		
41	61.0	51.0	76.4
39	33.0	29.1	43.7

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#56

1,3-Dichloropropane

Concen: 21.04 ug/l

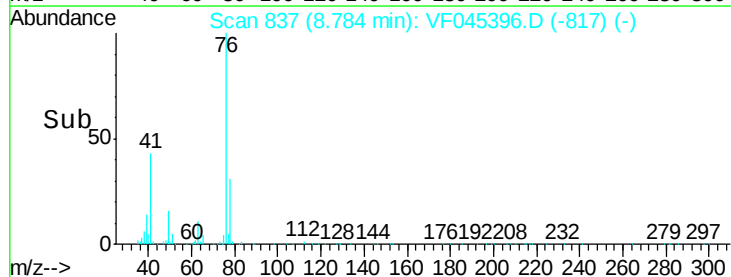
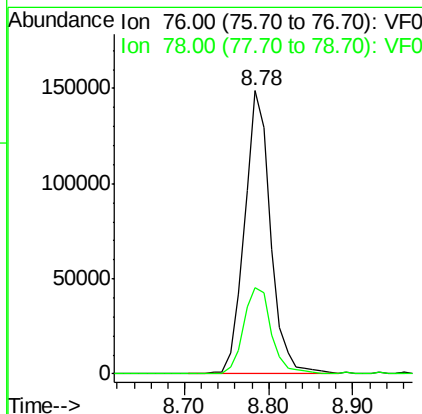
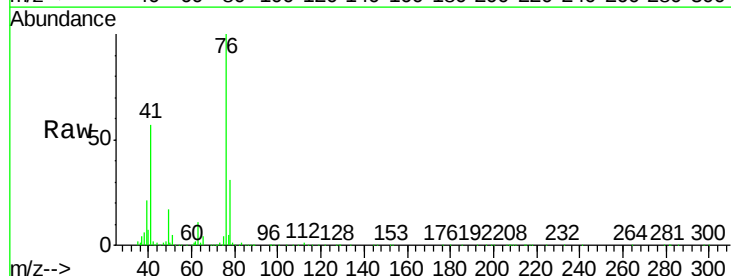
RT: 8.78 min Scan# 837

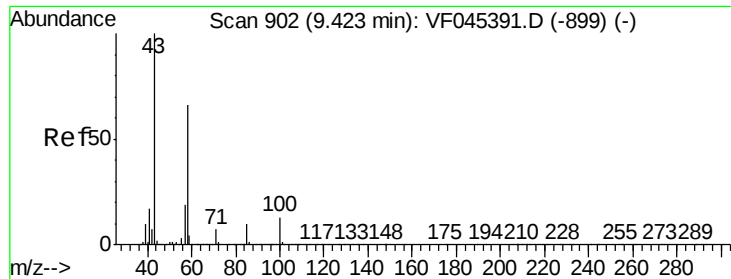
Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	76	Resp:	320429
Ion Ratio	Lower	Upper	
76	100		
78	30.7	26.1	39.1





#58

2-Hexanone

Concen: 108.69 ug/l

RT: 9.43 min Scan# 903

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 43 Resp: 628336

Ion Ratio Lower Upper

43 100

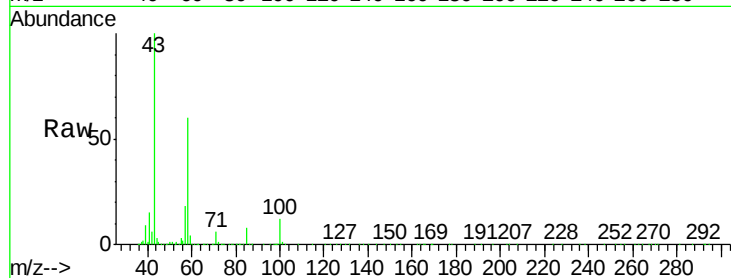
58 60.1 28.8 86.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.43

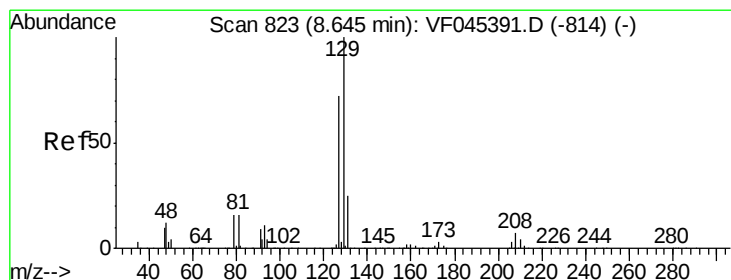
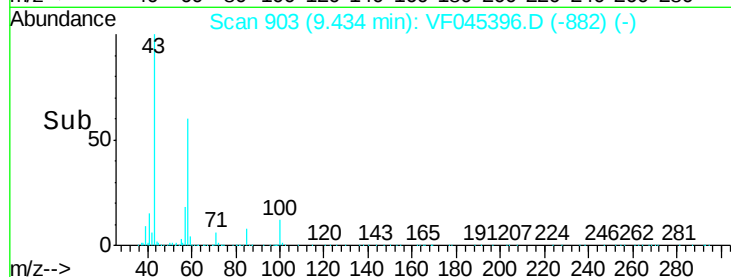
300000

200000

100000

0

Time-->



#59

Dibromochloromethane

Concen: 19.20 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF045396.D

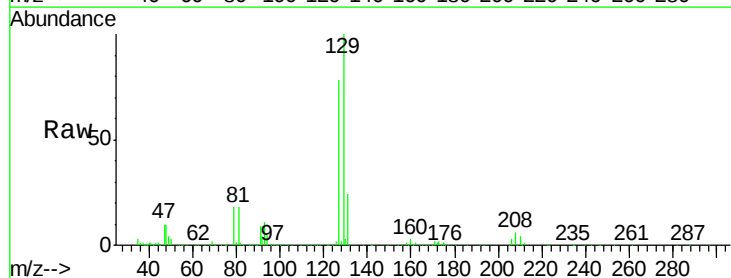
Acq: 16 Sep 2015 18:12

Tgt Ion: 129 Resp: 254008

Ion Ratio Lower Upper

129 100

127 77.6 38.2 114.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

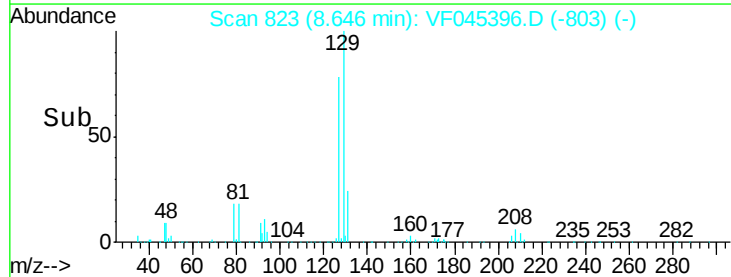
8.65

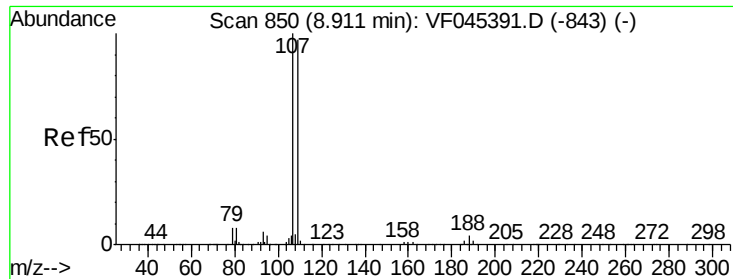
100000

50000

0

Time-->





#60

1,2-Dibromoethane

Concen: 21.09 ug/l

RT: 8.92 min Scan# 851

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion:107 Resp: 223458

Ion Ratio Lower Upper

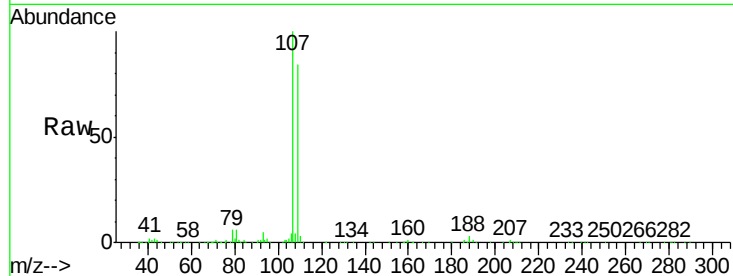
107 100

109 84.4 79.4 119.0

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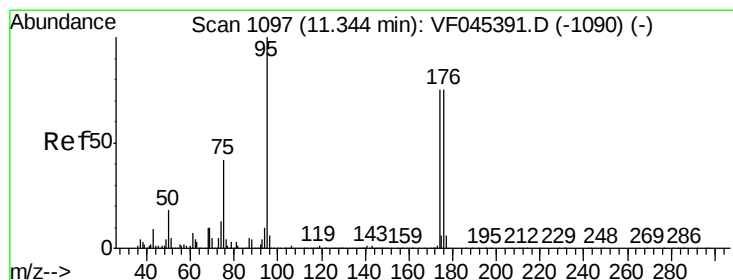
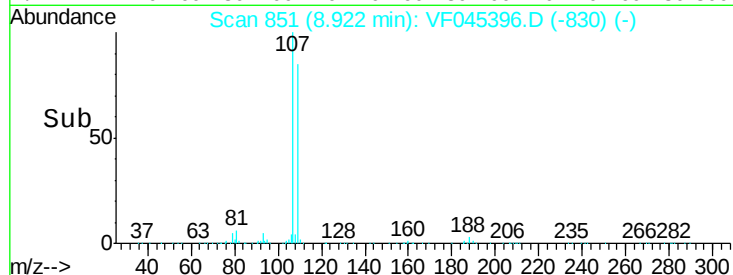
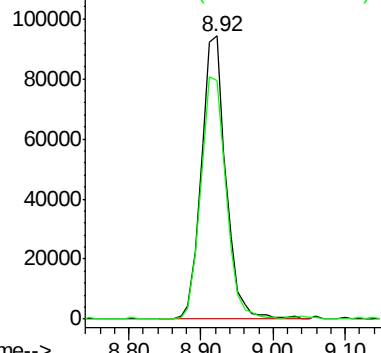
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 46.25 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

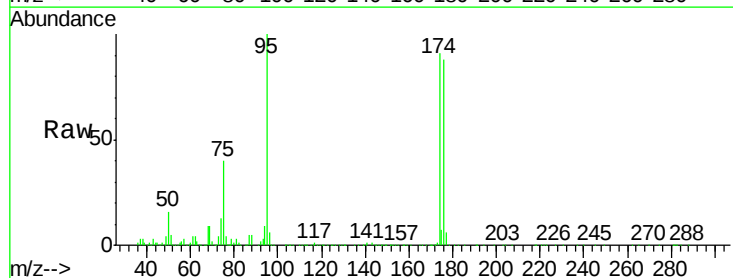
Tgt Ion: 95 Resp: 819408

Ion Ratio Lower Upper

95 100

174 91.3 0.0 177.8

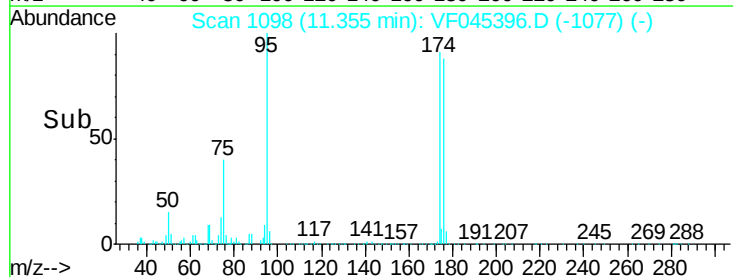
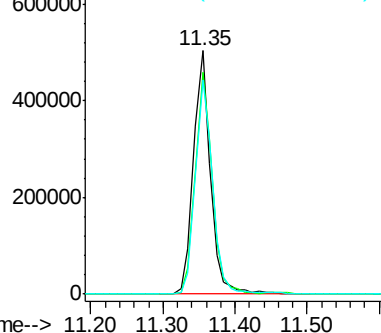
176 88.2 0.0 176.2

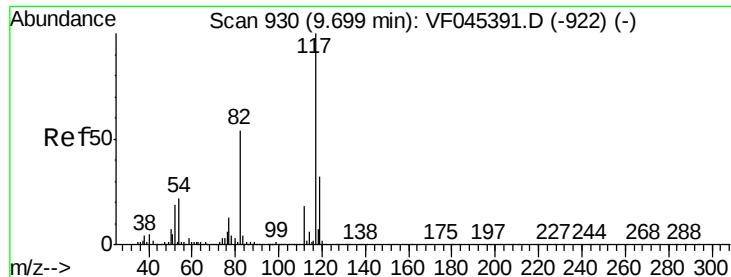


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

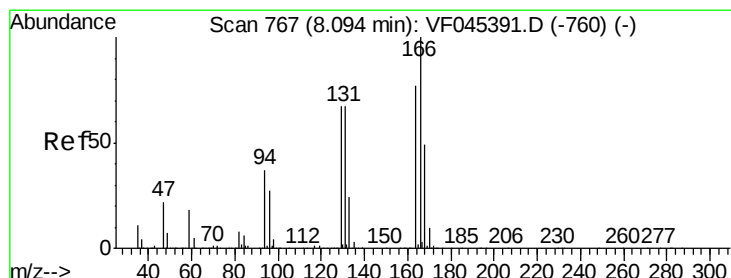
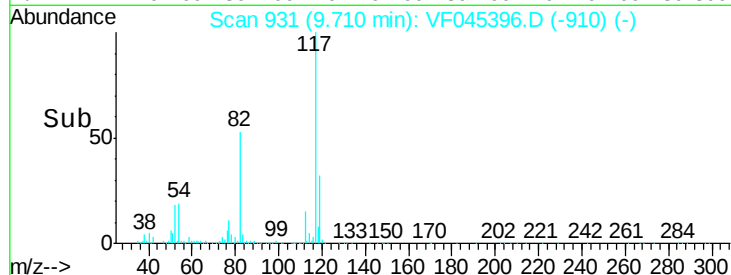
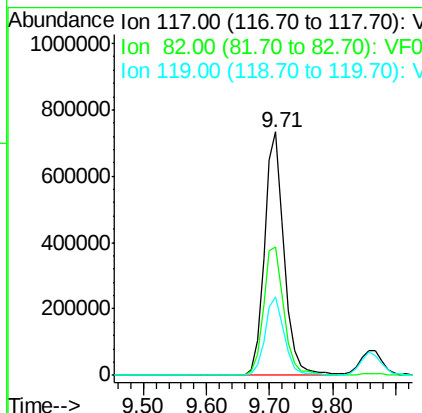
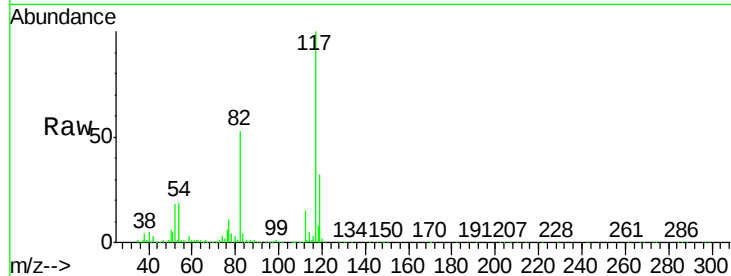
ClientSampleId :

VF0916SBS01

Tot Ion:	117	Resp:	1580897
Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.0	67.6
119	32.2	26.2	39.4

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#63

Tetrachloroethene

Concen: 20.45 ug/l

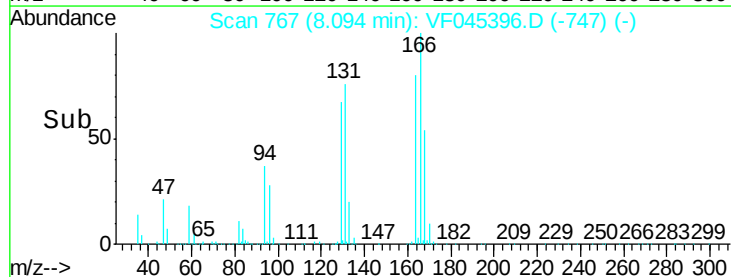
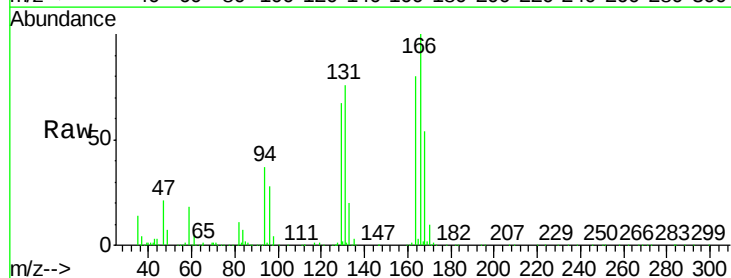
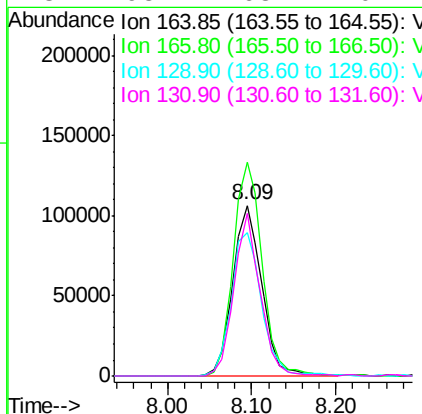
RT: 8.09 min Scan# 767

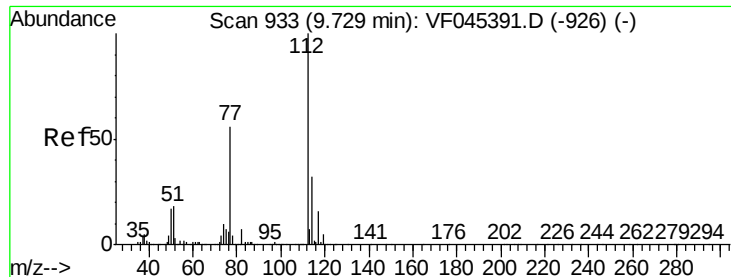
Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	164	Resp:	256846
Ion	Ratio	Lower	Upper
164	100		
166	125.2	106.0	159.0
129	83.7	69.8	104.6
131	95.4	68.2	102.4





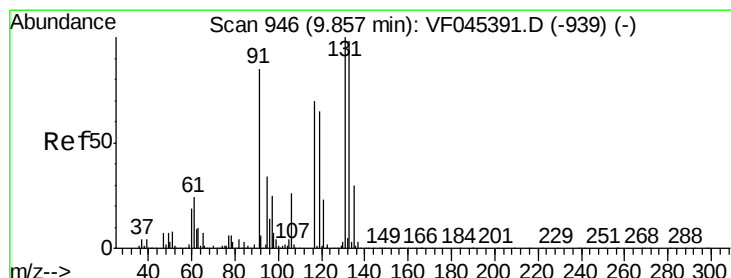
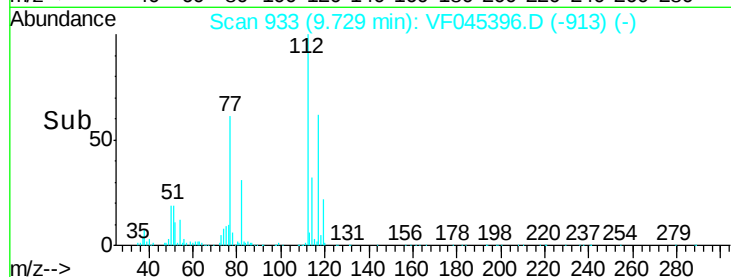
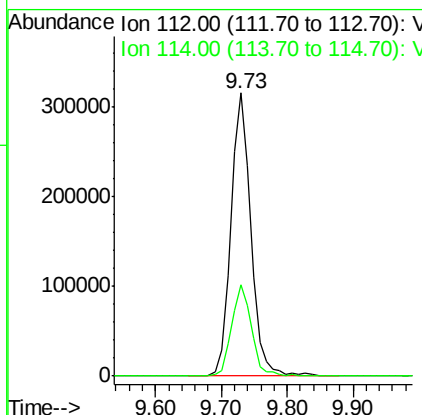
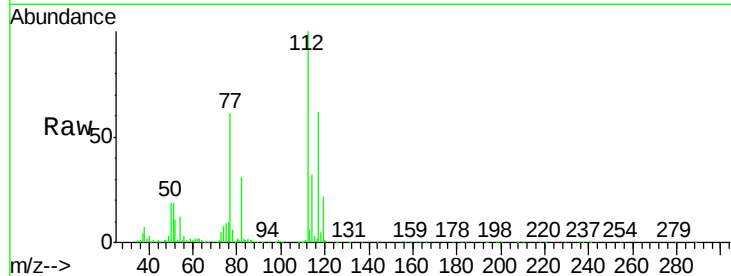
#64
Chlorobenzene
Concen: 20.34 ug/l
RT: 9.73 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.6	38.4

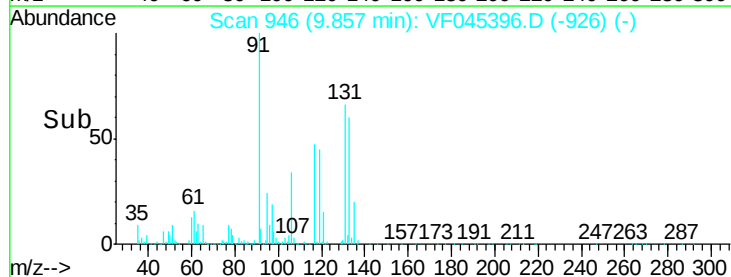
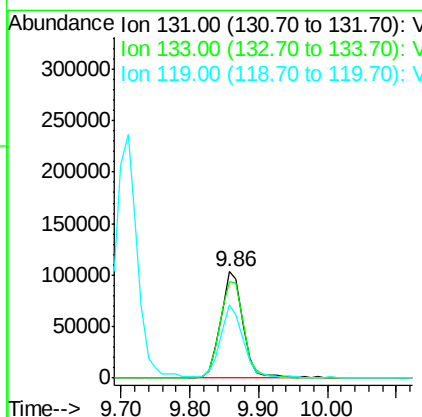
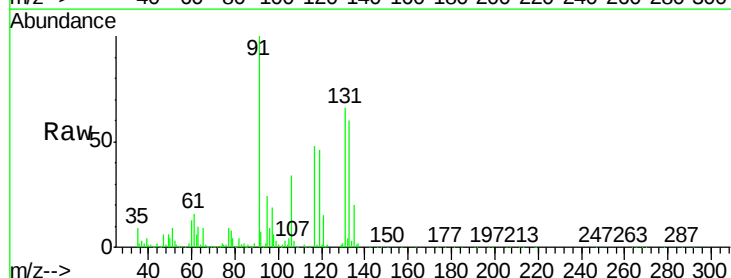
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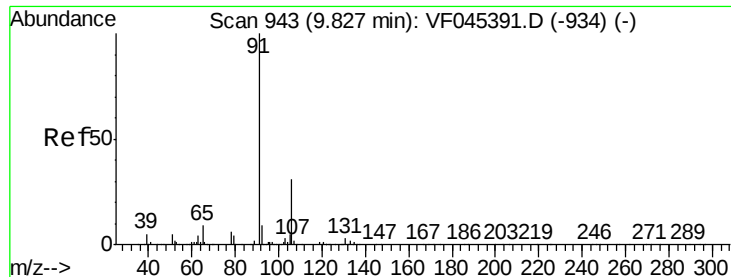
MMDadoda
9/17/2015 12:51:10 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 19.35 ug/l
RT: 9.86 min Scan# 946
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.3	48.1	144.4
119	69.1	34.8	104.5





#66

Ethyl Benzene

Concen: 20.54 ug/l

RT: 9.84 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 91 Resp: 1180475

Ion Ratio Lower Upper

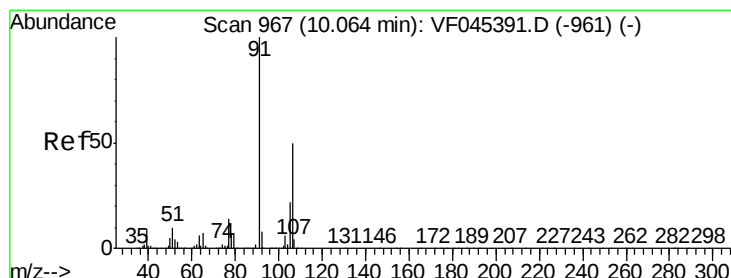
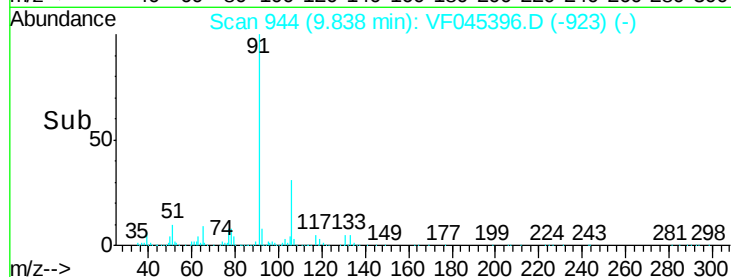
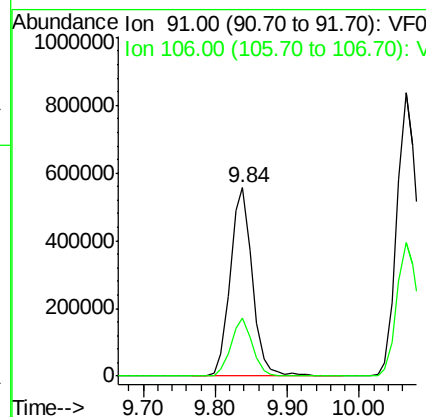
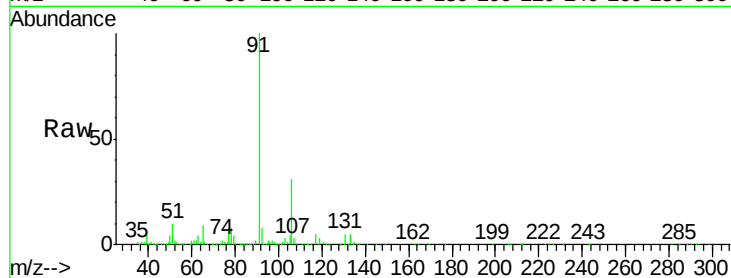
91 100

106 30.9 23.6 35.4

Manual Integrations
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#67

m/p-Xylenes

Concen: 40.76 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF045396.D

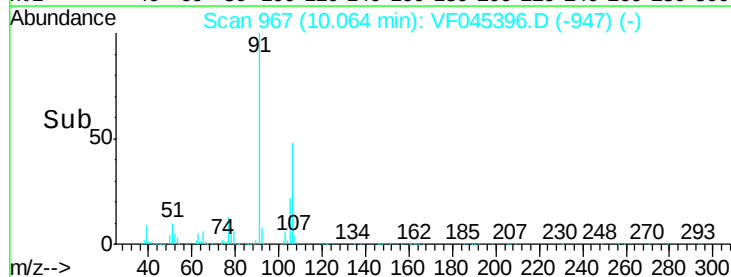
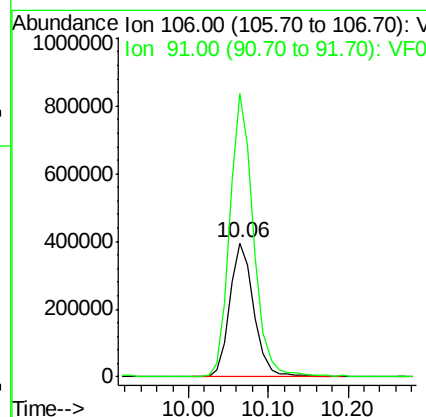
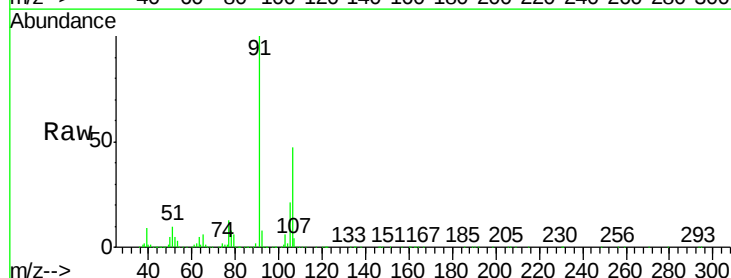
Acq: 16 Sep 2015 18:12

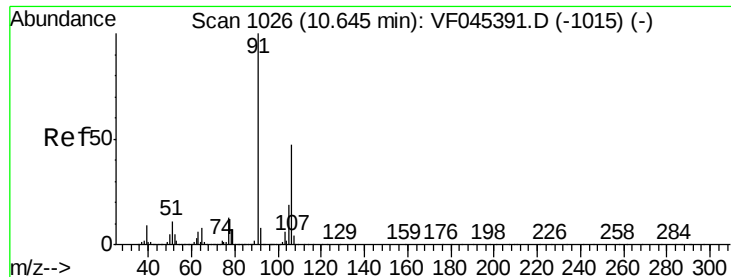
Tgt Ion: 106 Resp: 839484

Ion Ratio Lower Upper

106 100

91 211.1 166.1 249.1





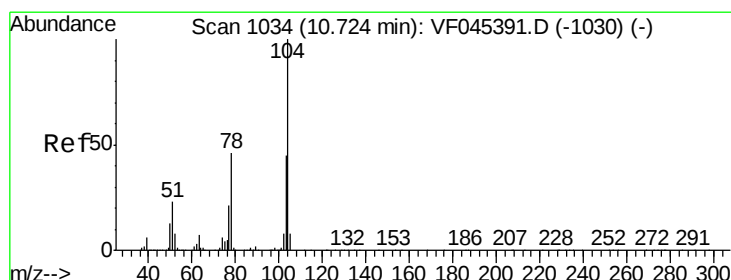
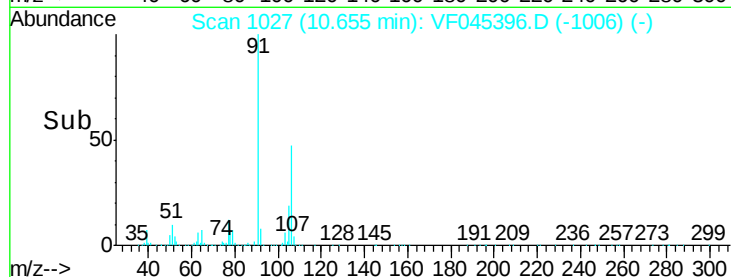
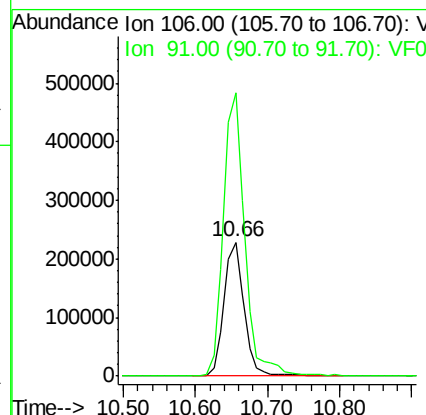
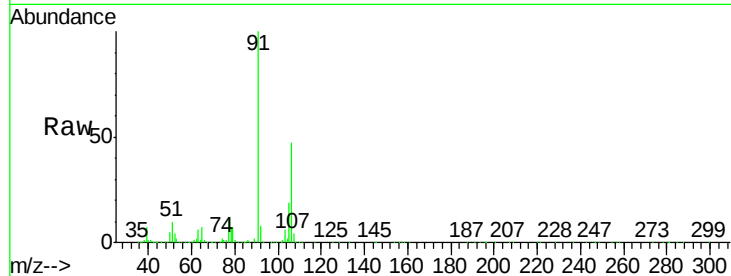
#68
o-Xylene
Concen: 20.63 ug/l
RT: 10.66 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion:106 Resp: 441157
Ion Ratio Lower Upper
106 100
91 211.2 108.1 324.2

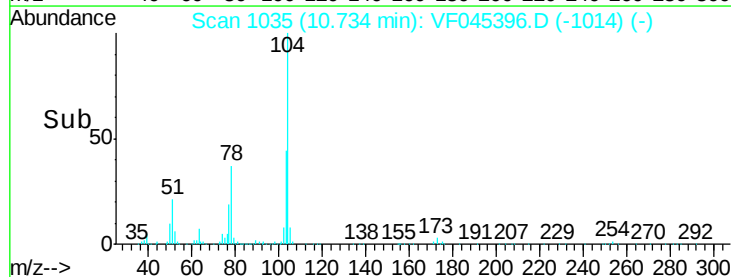
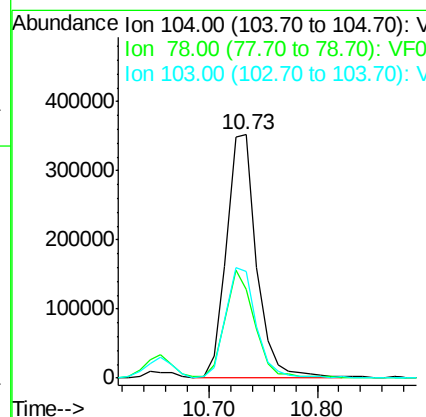
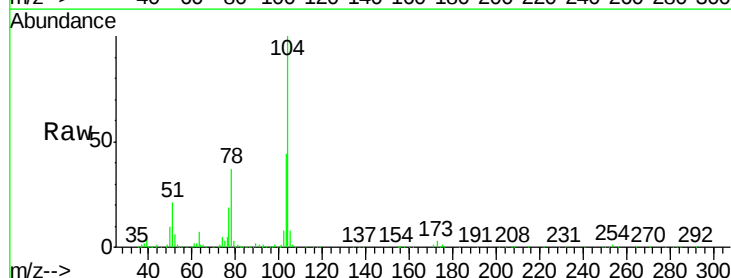
Manual Integrations
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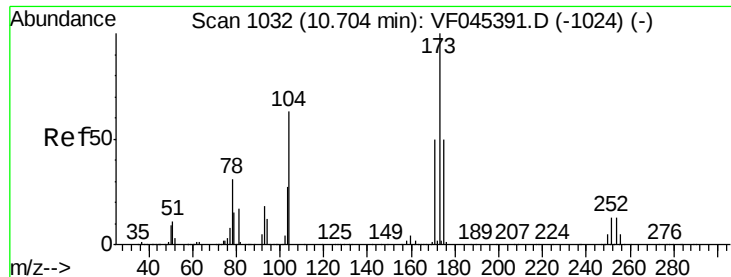
MMDadoda
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#69
Styrene
Concen: 20.09 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion:104 Resp: 685519
Ion Ratio Lower Upper
104 100
78 36.7 34.2 51.4
103 43.8 36.7 55.1





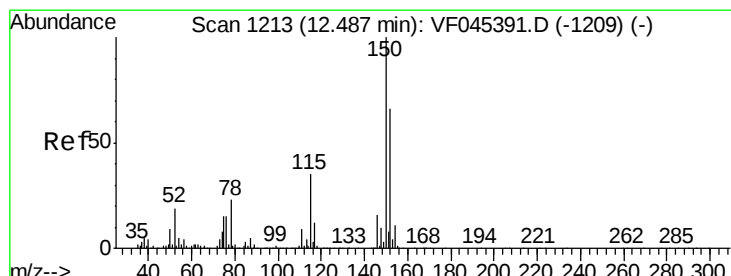
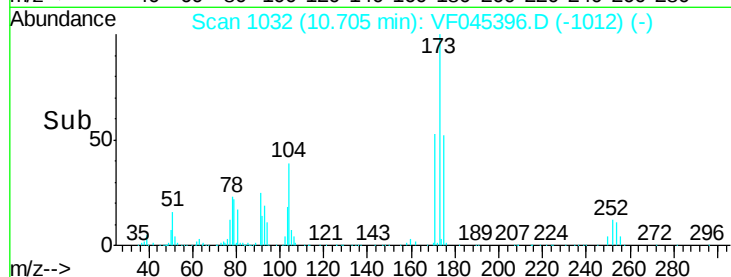
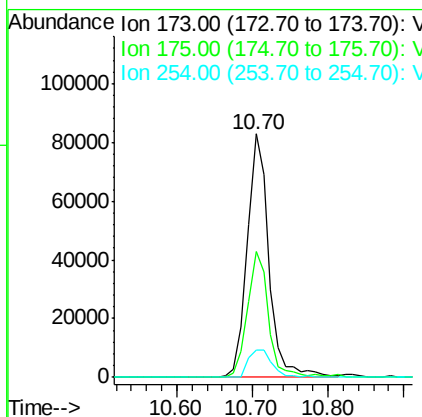
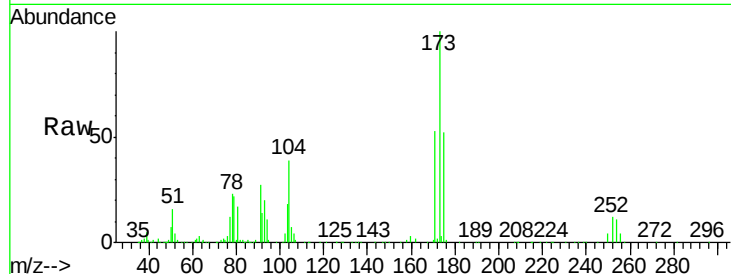
#70
Bromoform
Concen: 18.38 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	25.7	77.0
254	11.2	9.8	14.6

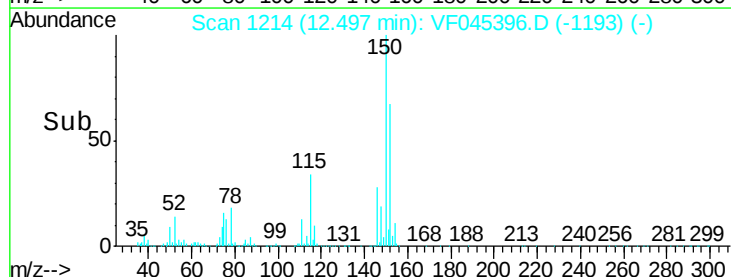
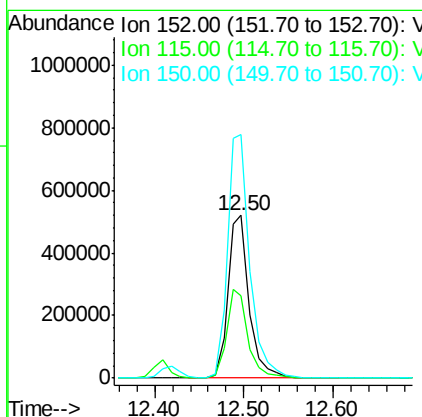
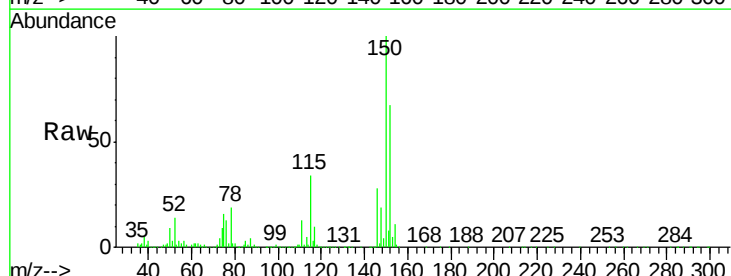
Manual Integrations
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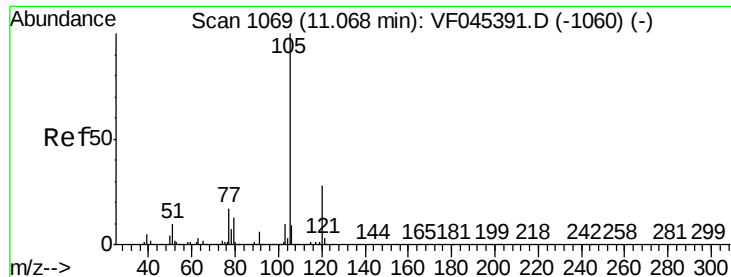
MMDadoda
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.50 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	28.3	85.0
150	149.8	0.0	324.2





#72

Isopropylbenzene

Concen: 21.07 ug/l

RT: 11.07 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion:105 Resp: 1225041

Ion Ratio Lower Upper

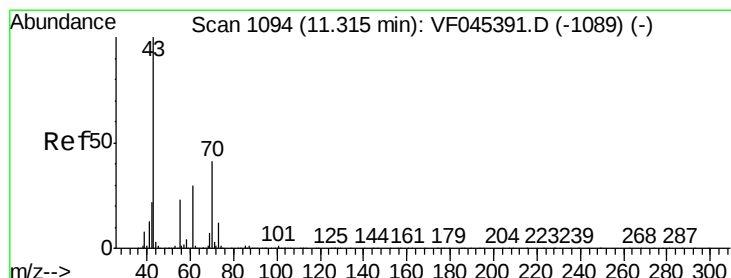
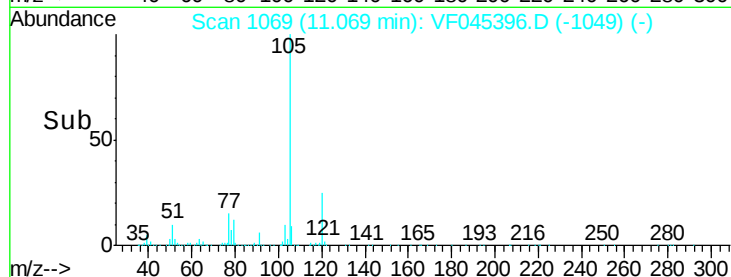
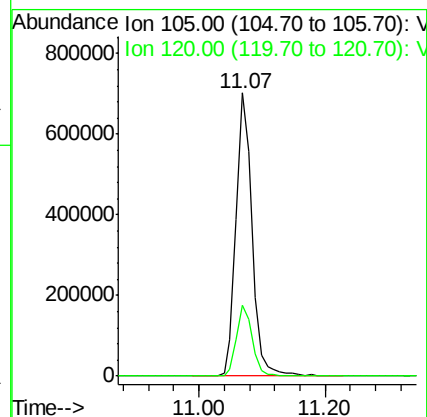
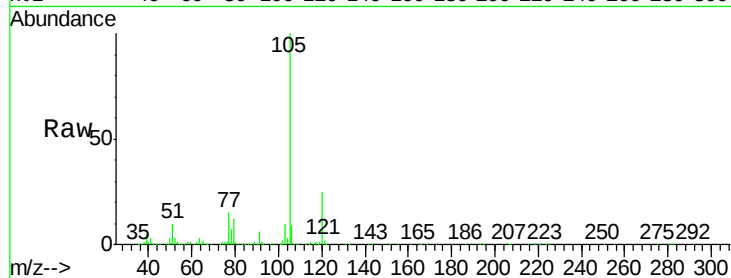
105 100

120 25.1 13.0 39.0

Manual Integrations
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#73

N-ethyl acetate

Concen: 21.08 ug/l

RT: 11.33 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion: 43 Resp: 339781

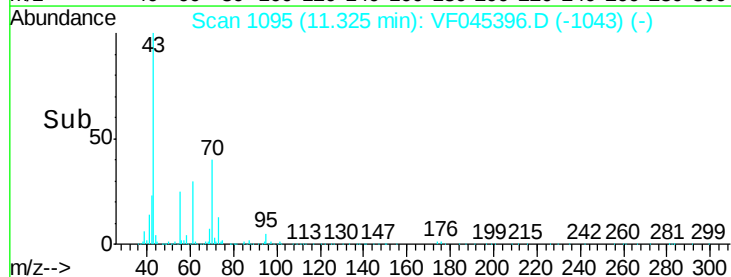
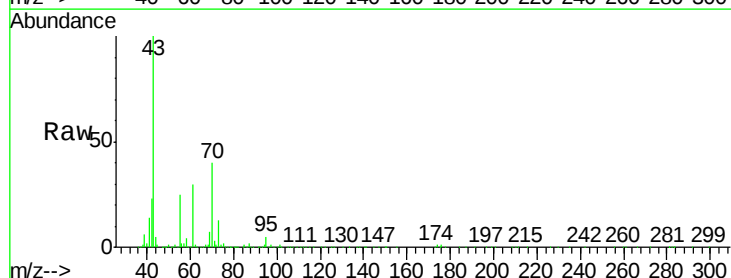
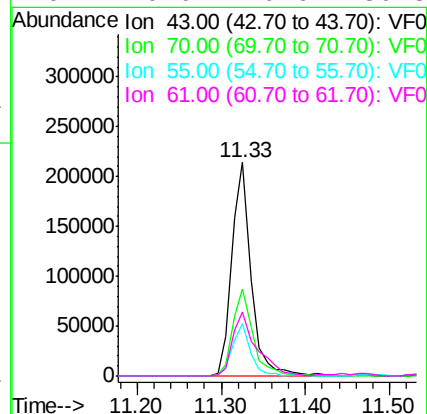
Ion Ratio Lower Upper

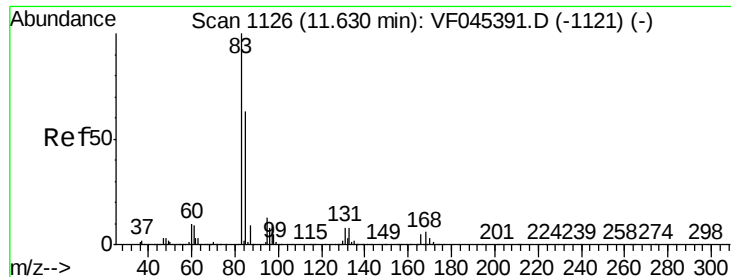
43 100

70 40.5 30.0 45.0

55 24.5 16.8 25.2

61 29.9 20.6 30.8





#74

1,1,2,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

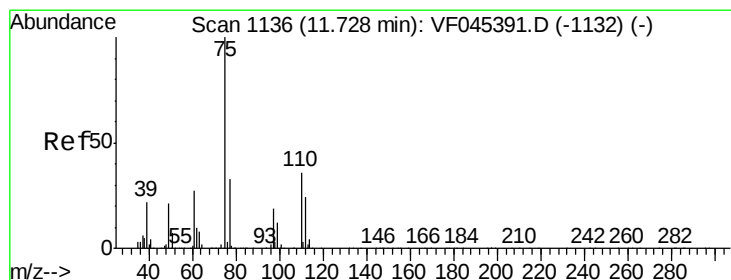
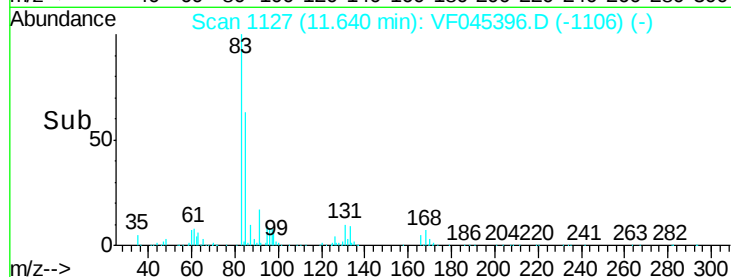
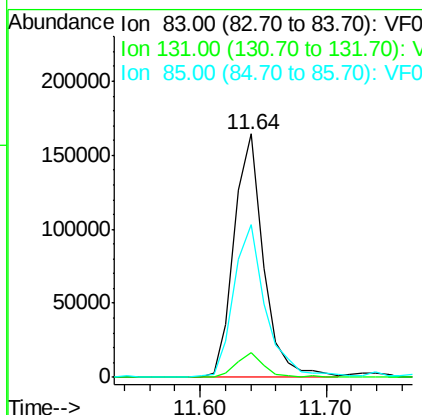
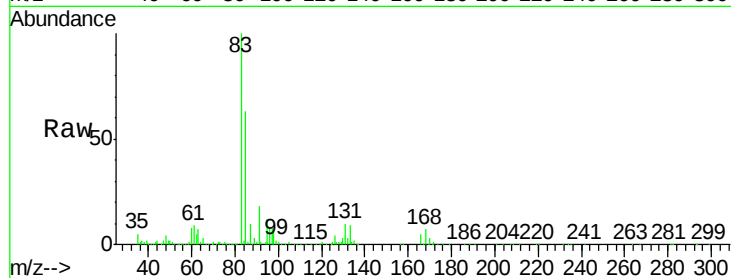
ClientSampleId :

VF0916SBS01

Tot Ion:	83	Resp:	266657
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.2	12.6
85	62.9	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 21.22 ug/l

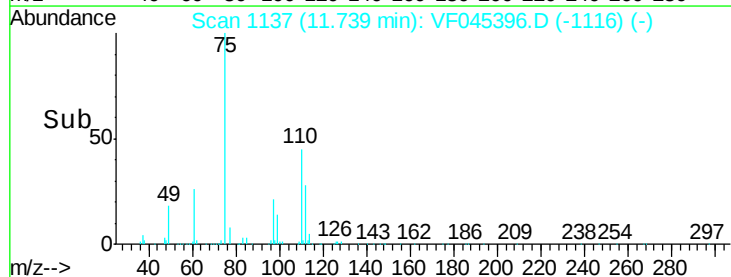
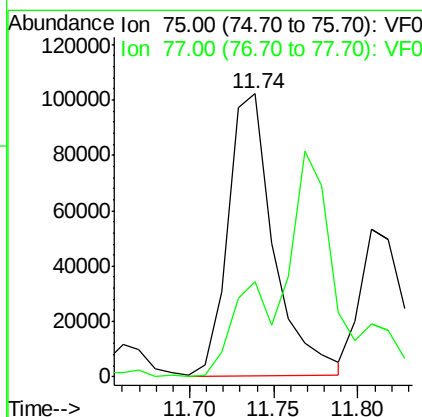
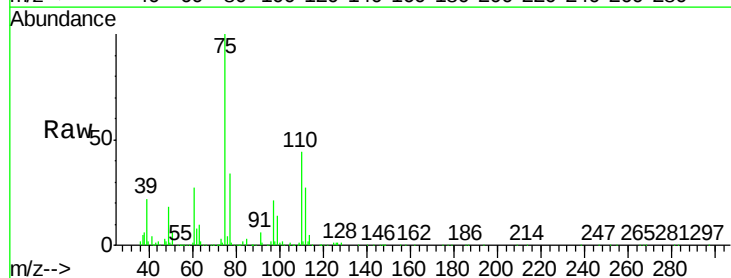
RT: 11.74 min Scan# 1137

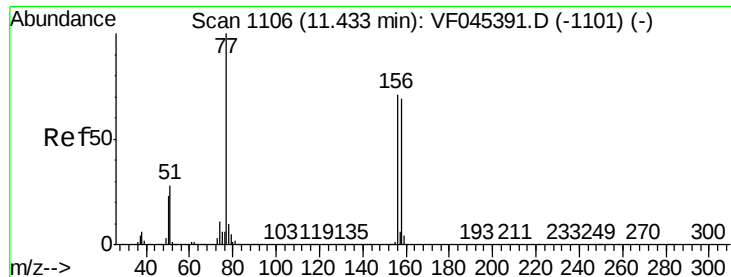
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	75	Resp:	192247
Ion Ratio	Lower	Upper	
75	100		
77	33.6	15.0	45.1





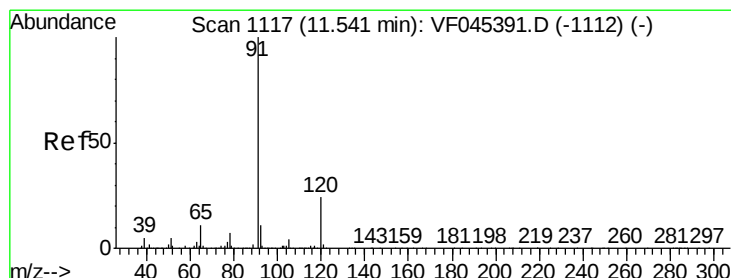
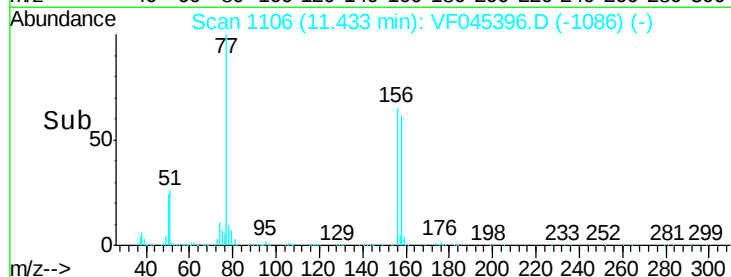
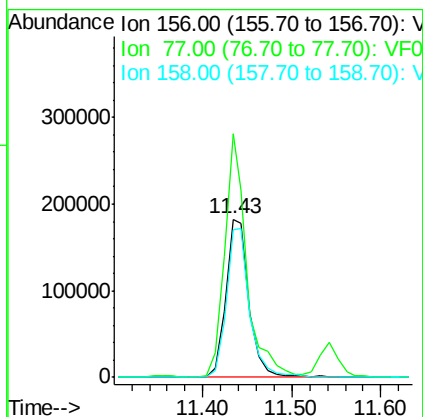
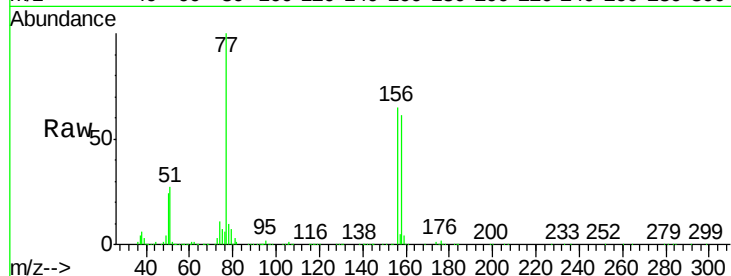
#76
Bromobenzene
Concen: 20.28 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.9	74.8	224.3
158	93.4	49.5	148.7

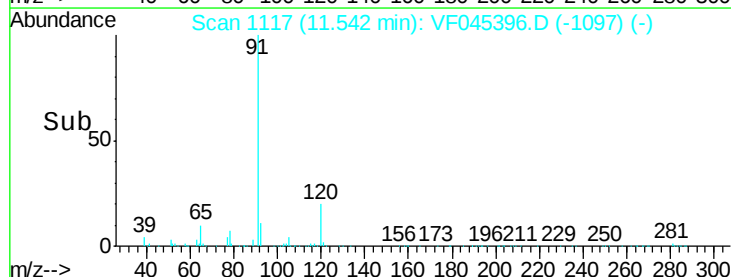
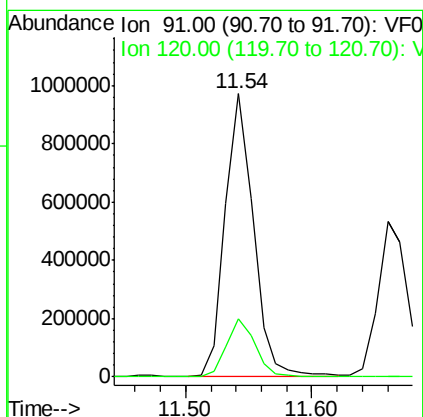
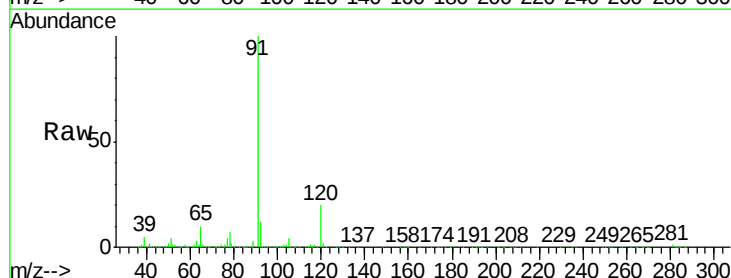
Manual Integrations
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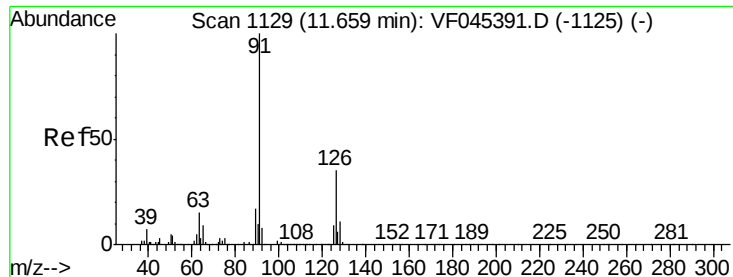
MMDadoda
9/17/2015 12:51:10 PM



#77
n-propylbenzene
Concen: 21.07 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	11.6	34.7





#78

2-Chlorotoluene

Concen: 21.40 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 91 Resp: 863872

Ion Ratio Lower Upper

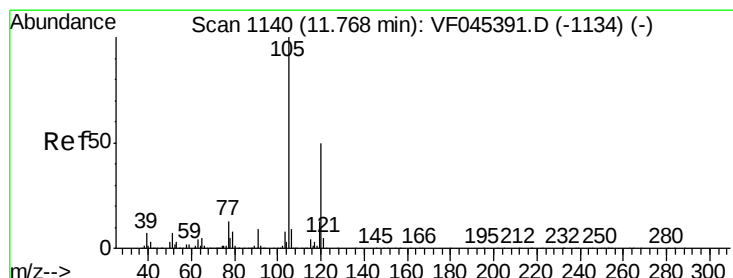
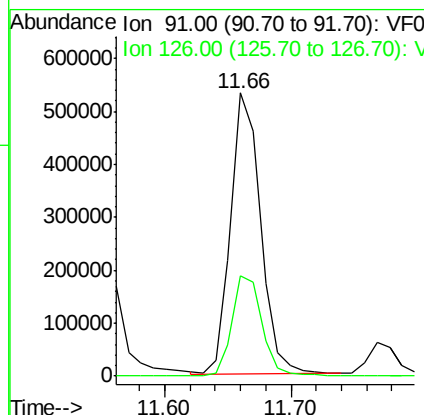
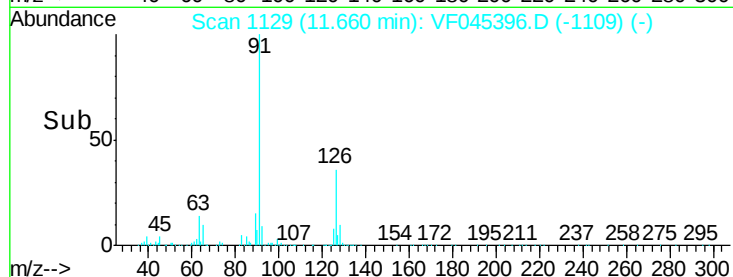
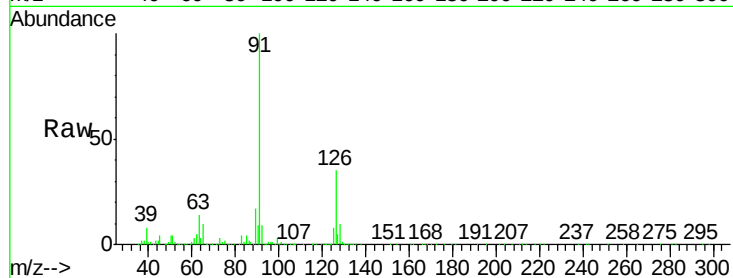
91 100

126 35.3 16.9 50.7

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#79

1,3,5-Trimethylbenzene

Concen: 21.31 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF045396.D

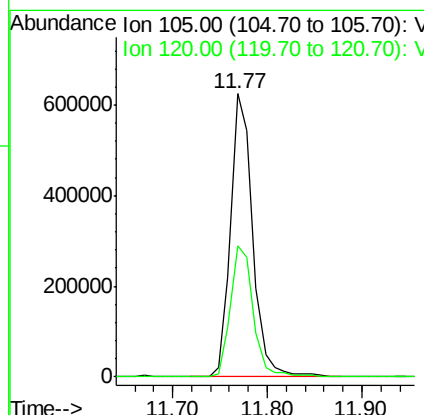
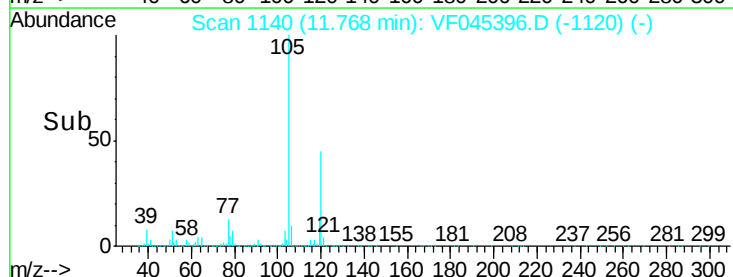
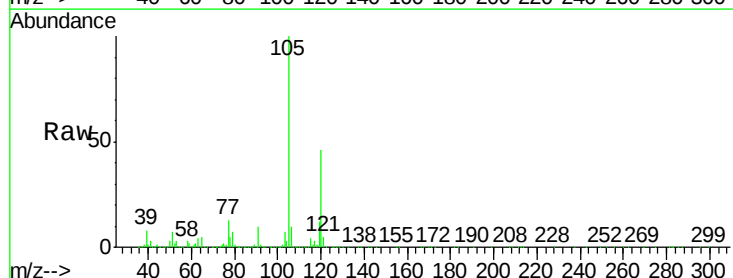
Acq: 16 Sep 2015 18:12

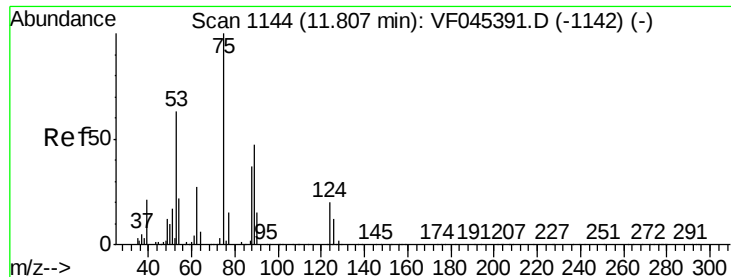
Tgt Ion: 105 Resp: 1009546

Ion Ratio Lower Upper

105 100

120 46.2 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 17.95 ug/l m

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

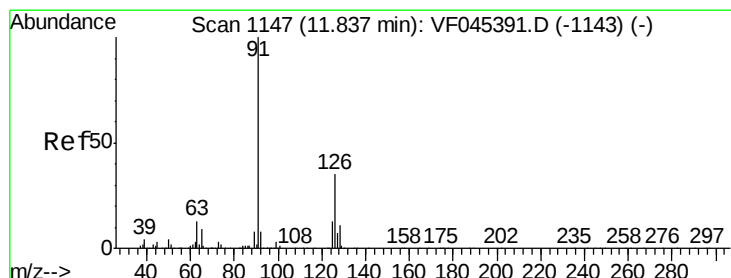
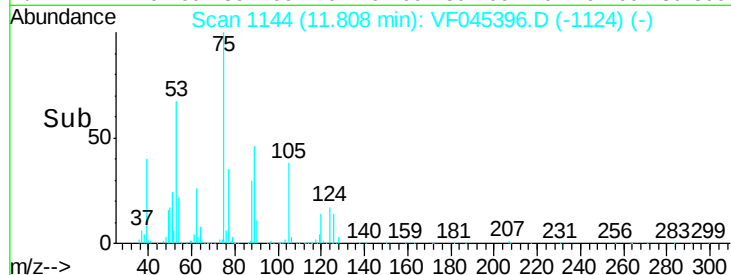
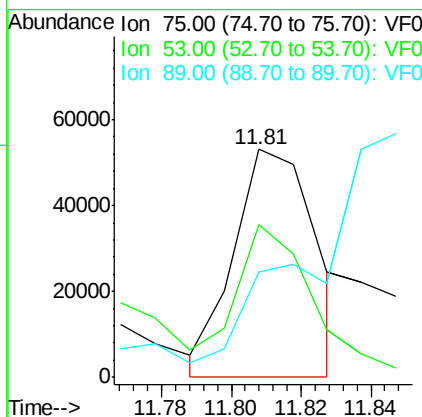
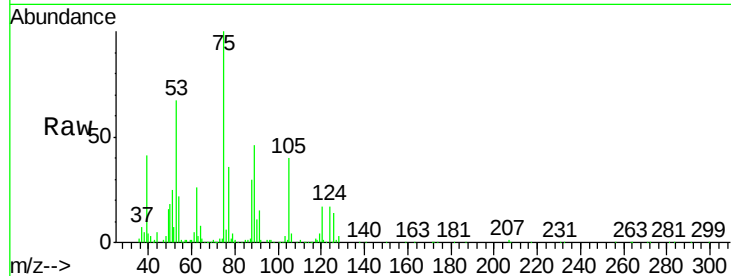
ClientSampleId :

VF0916SBS01

Tot Ion:	75	Resp:	87104
Ion Ratio	Lower	Upper	
75	100		
53	67.1	51.0	76.6
89	46.2	38.6	57.8

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#81

4-Chlorotoluene

Concen: 20.41 ug/l

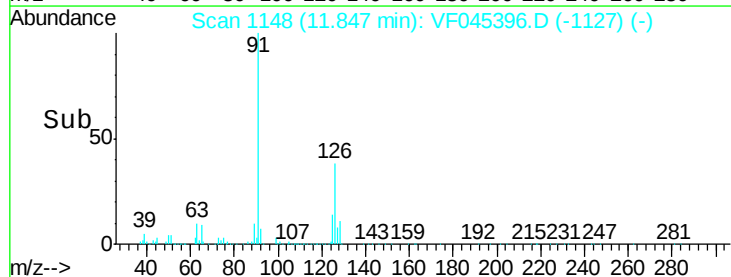
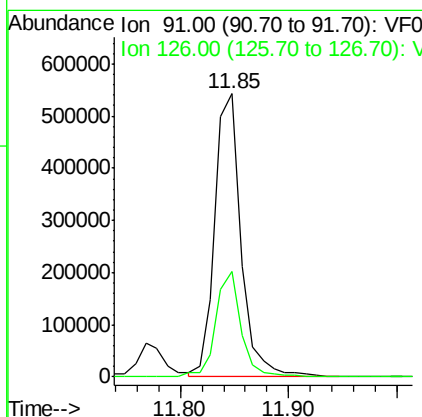
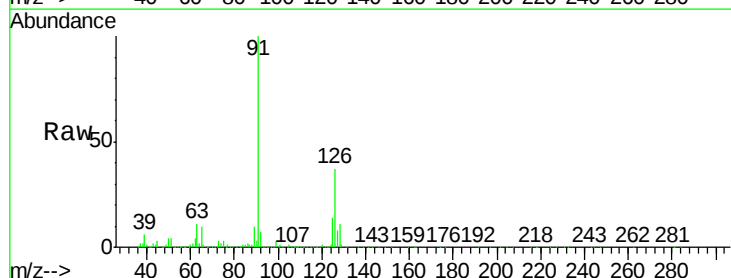
RT: 11.85 min Scan# 1148

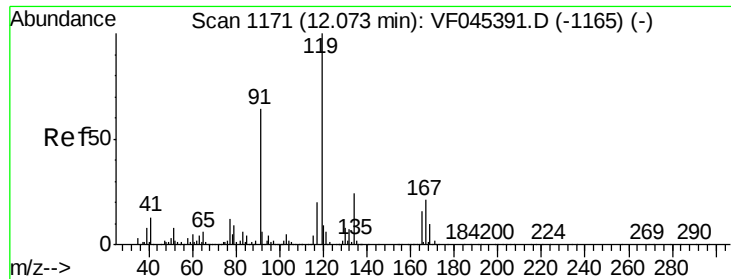
Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	91	Resp:	910645
Ion Ratio	Lower	Upper	
91	100		
126	37.1	15.8	47.4





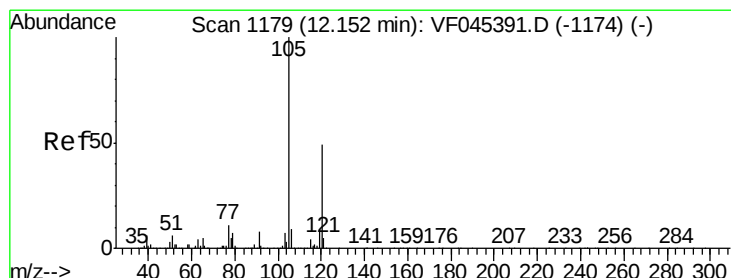
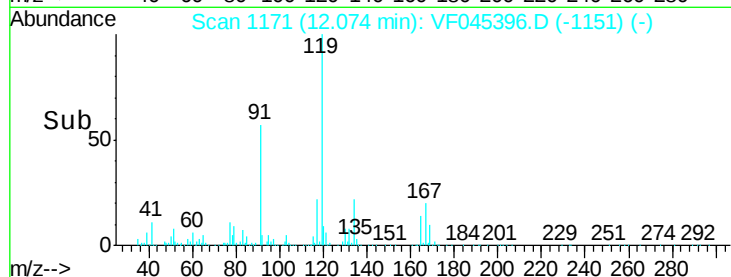
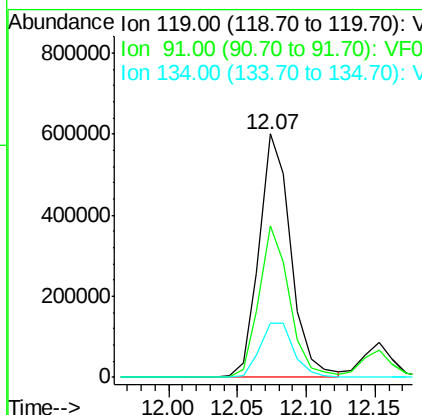
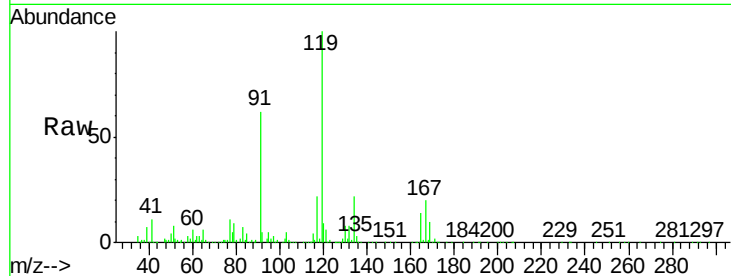
#82
 tert-Butylbenzene
 Concen: 20.74 ug/l
 RT: 12.07 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	971603		
91	62.2	31.1	93.2	
134	22.3	12.2	36.6	

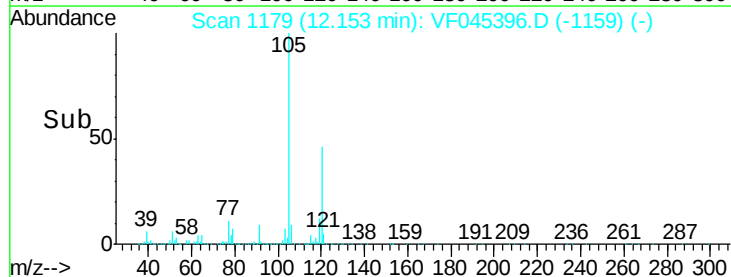
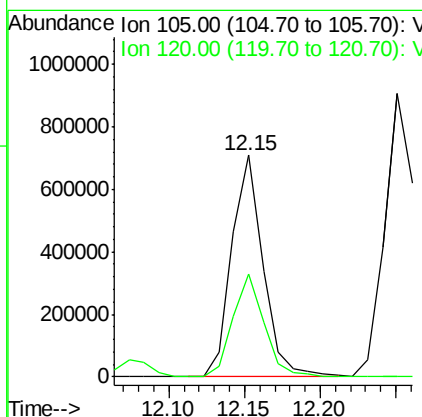
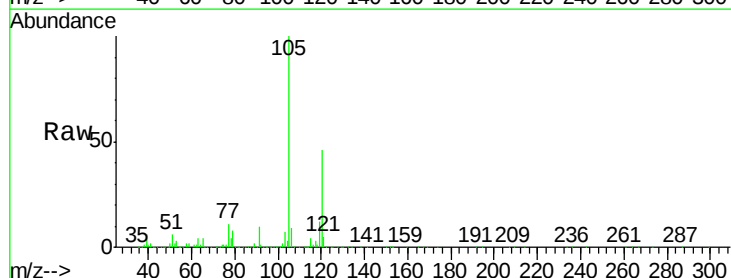
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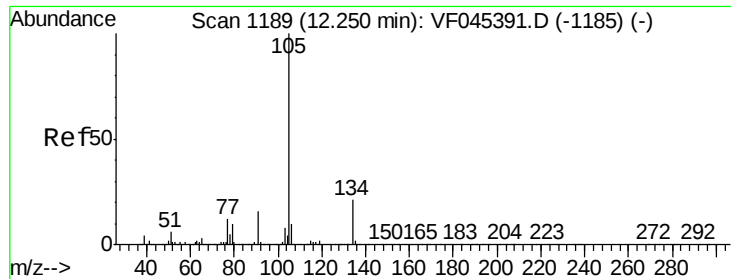
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#83
 1,2,4-Trimethylbenzene
 Concen: 21.00 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1020425		
120	46.2	22.9	68.7	





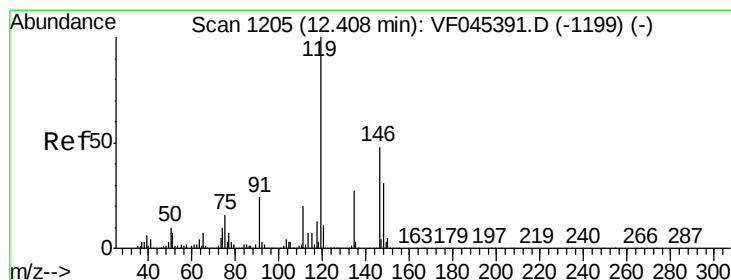
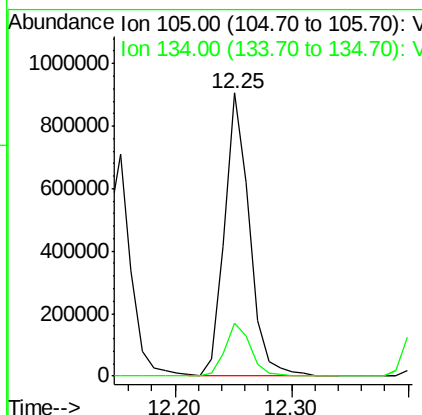
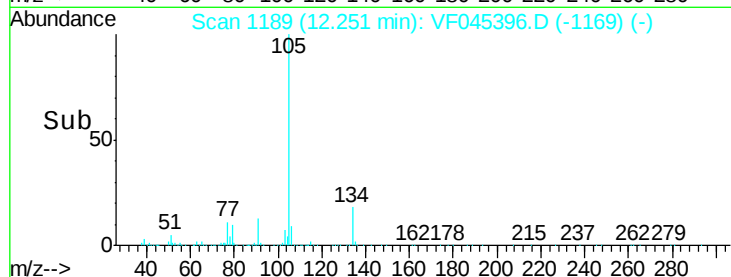
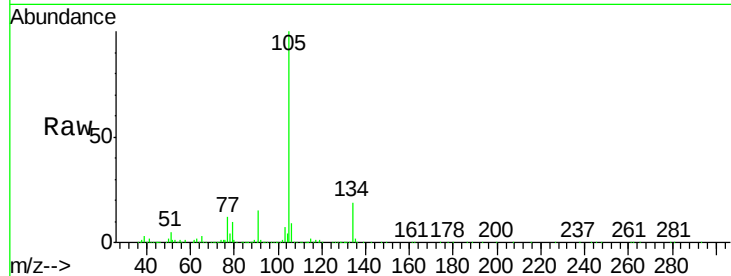
#84
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 12.25 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion:105 Resp: 1344646
 Ion Ratio Lower Upper
 105 100
 134 18.5 10.5 31.6

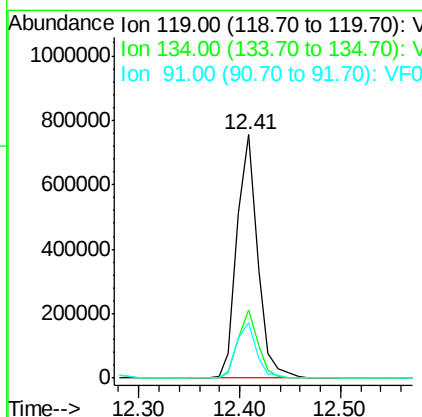
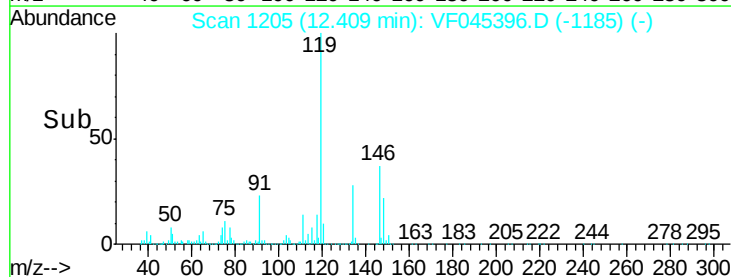
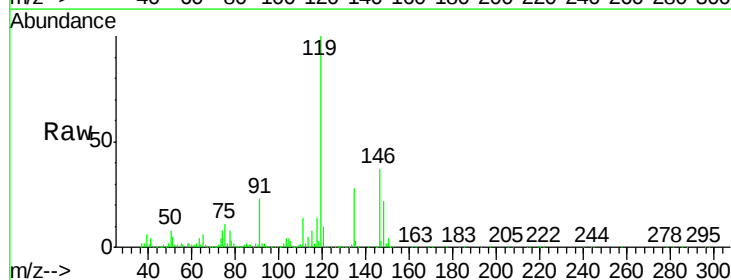
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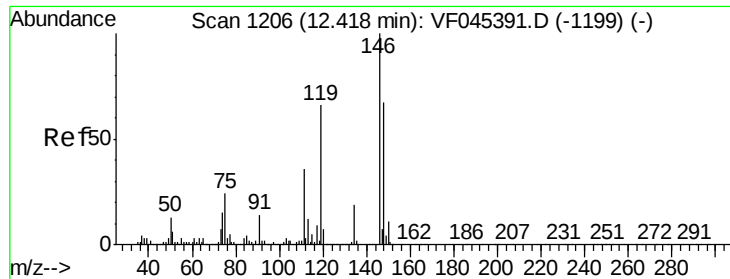
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#85
 p-Isopropyltoluene
 Concen: 21.14 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion:119 Resp: 1071866
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.0 38.9
 91 22.9 12.2 36.6





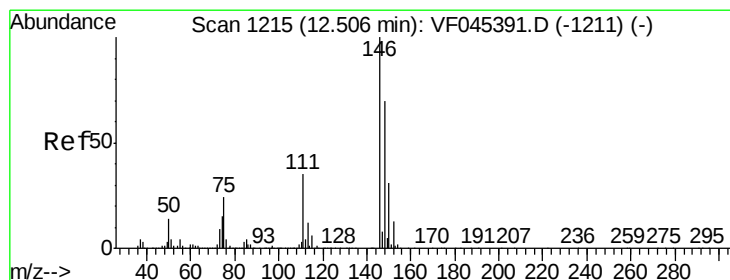
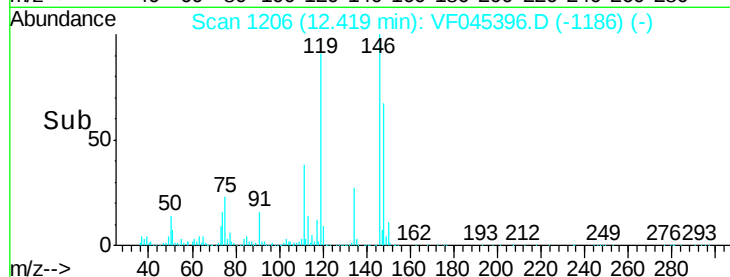
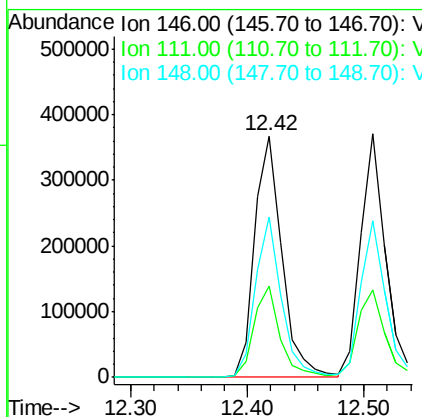
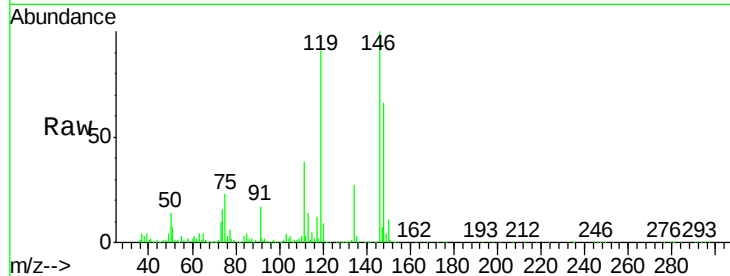
#86
 1,3-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.7
148	66.5	32.5	97.4

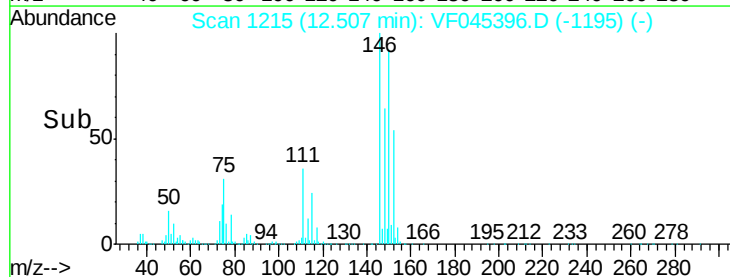
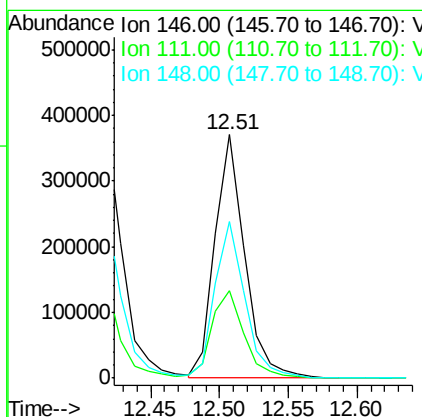
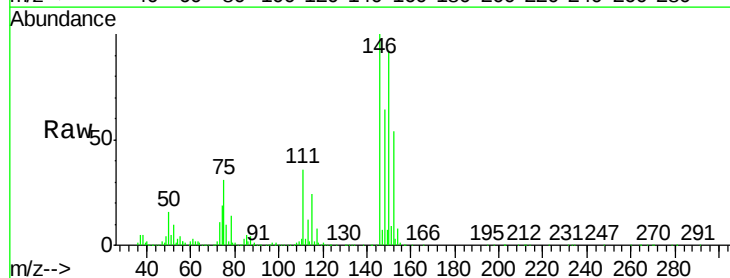
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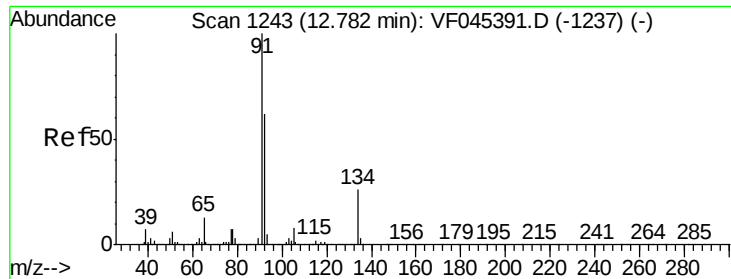
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#87
 1,4-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.3	52.0
148	64.5	32.4	97.0





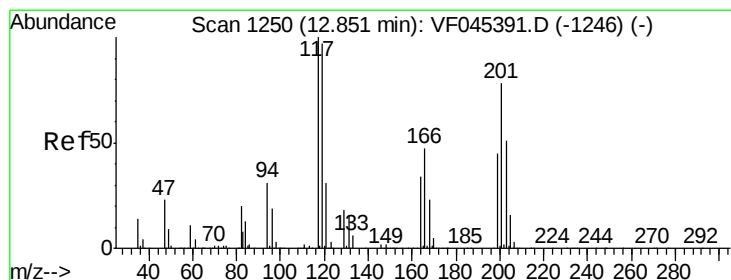
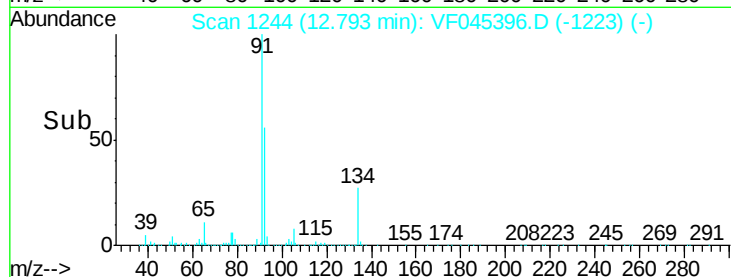
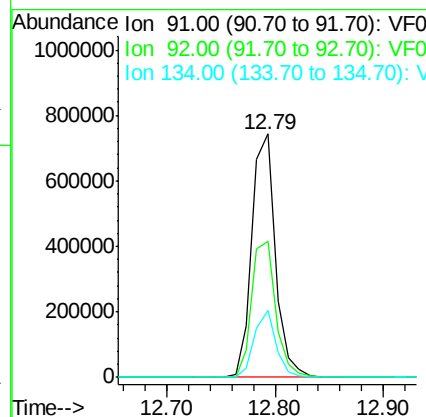
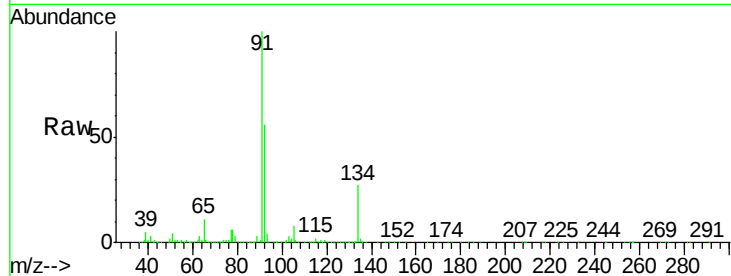
#88
n-Butylbenzene
Concen: 22.09 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	30.1	90.5
134	27.5	13.8	41.4

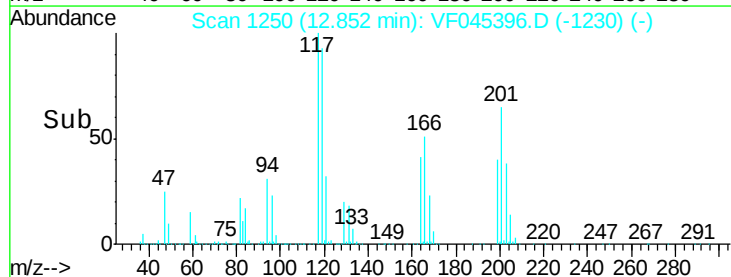
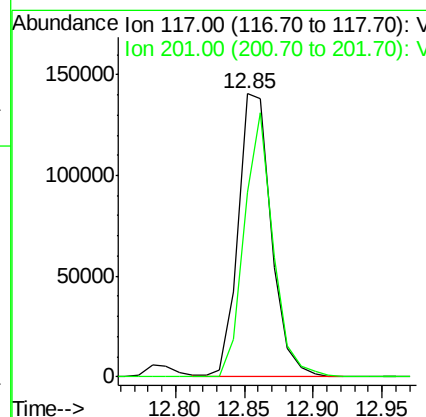
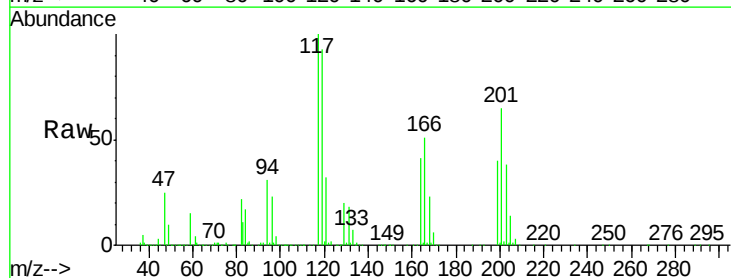
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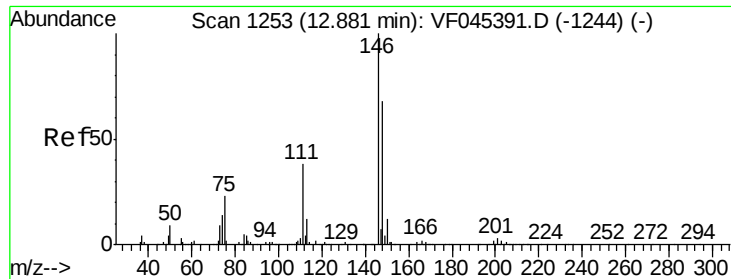
MMDadoda
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#89
Hexachloroethane
Concen: 19.72 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VF045396.D
Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	42.0	126.1





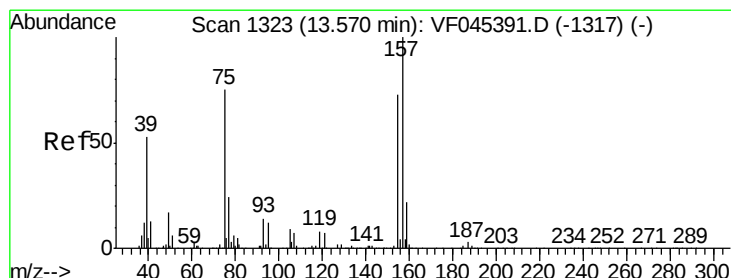
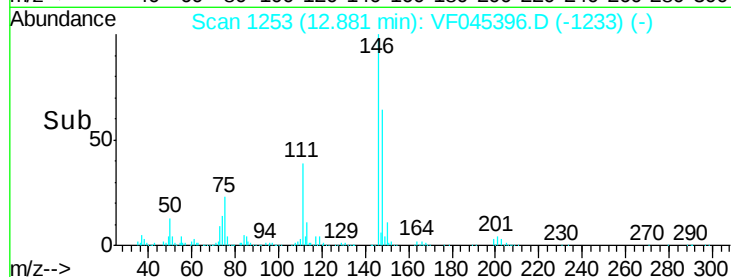
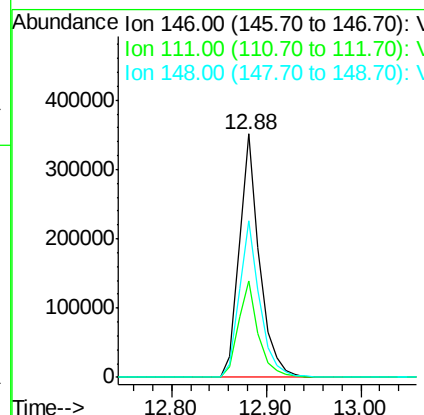
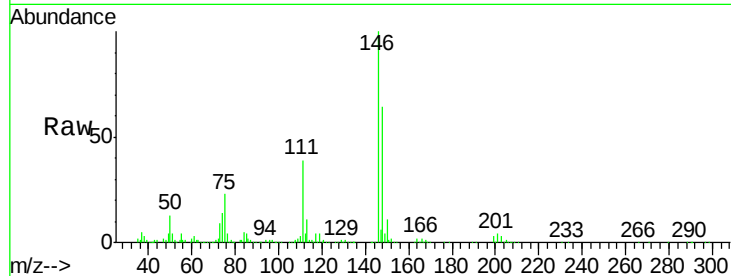
#90
 1,2-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.3
148	64.4	31.4	94.3

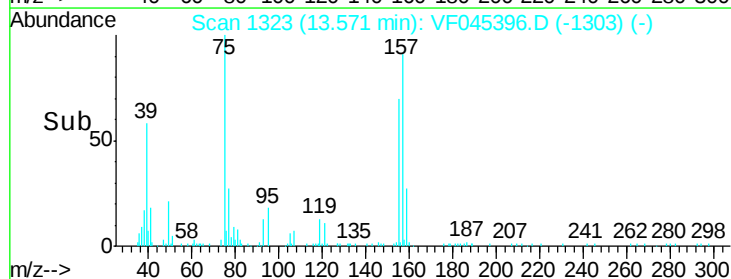
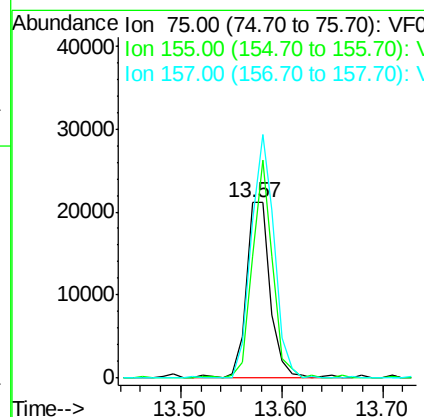
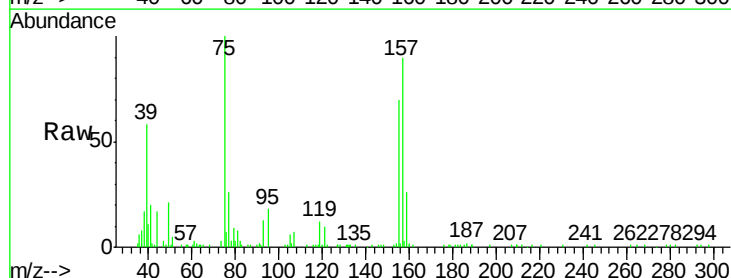
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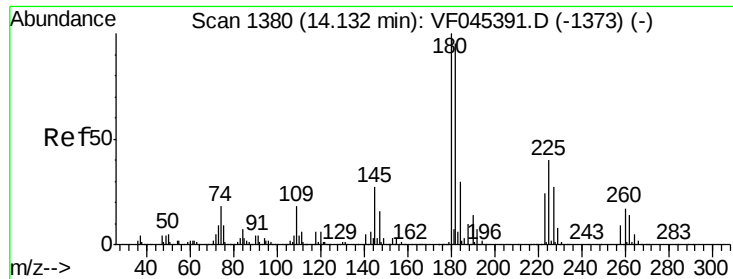
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 20.06 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VF045396.D
 Acq: 16 Sep 2015 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	49.2	147.6
157	89.7	66.8	200.4





#92

1,2,4-Trichlorobenzene

Concen: 20.66 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

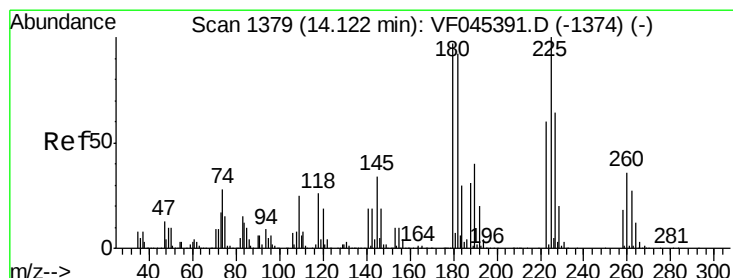
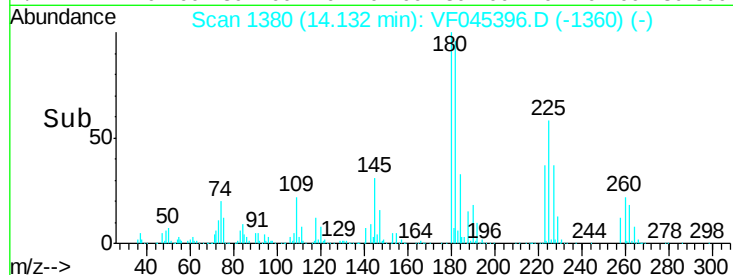
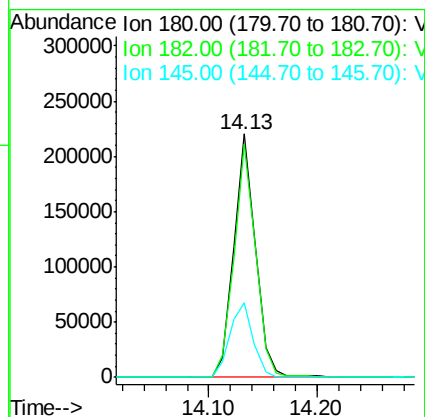
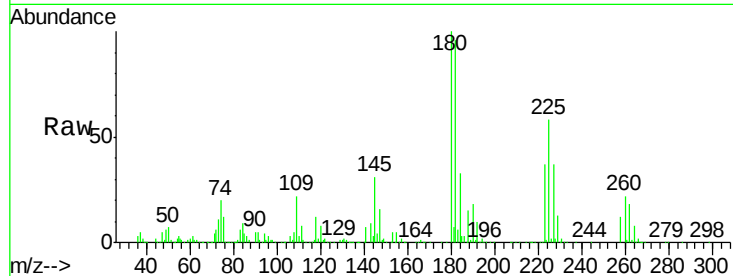
ClientSampleId :

VF0916SBS01

Tot Ion:	180	Resp:	308257
Ion Ratio	Lower	Upper	
180	100		
182	96.1	49.4	148.0
145	30.9	16.7	50.1

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#93

Hexachlorobutadiene

Concen: 21.40 ug/l

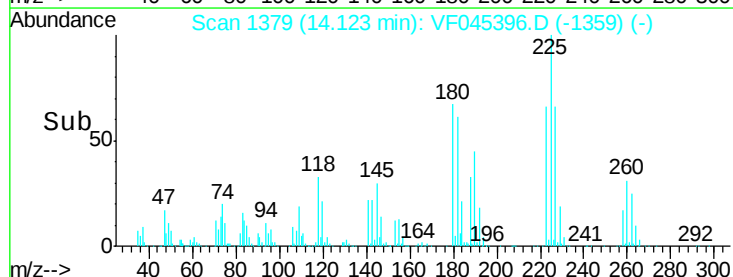
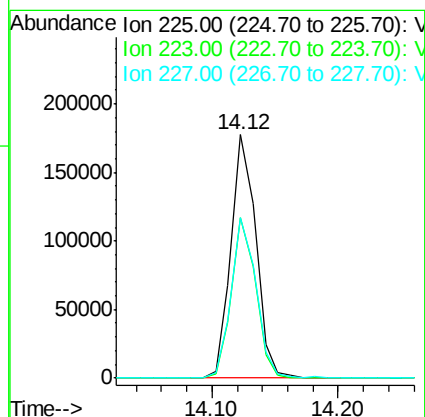
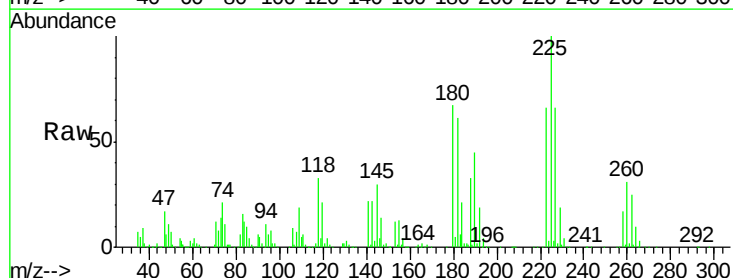
RT: 14.12 min Scan# 1379

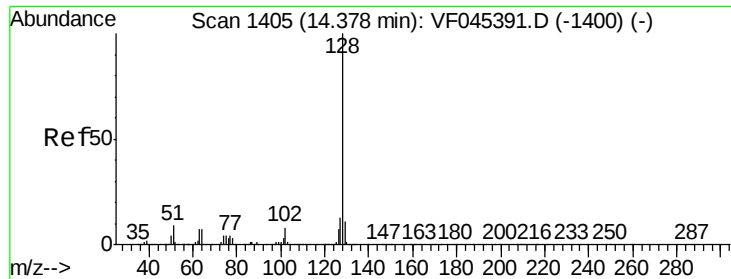
Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	225	Resp:	242493
Ion Ratio	Lower	Upper	
225	100		
223	65.8	31.9	95.5
227	65.9	32.9	98.7





#94

Naphthalene

Concen: 18.79 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Instrument :

MSVOA_F

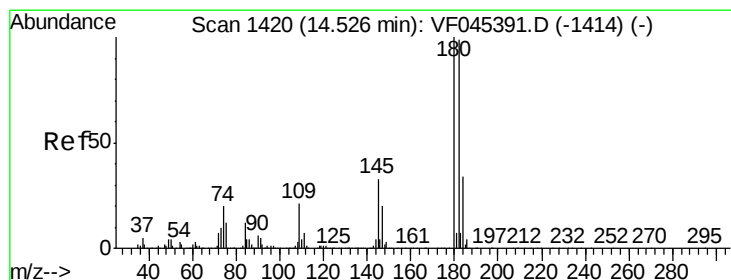
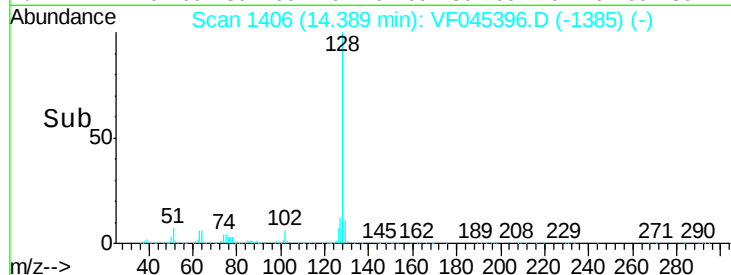
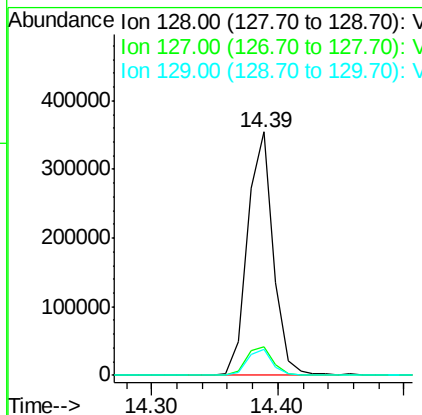
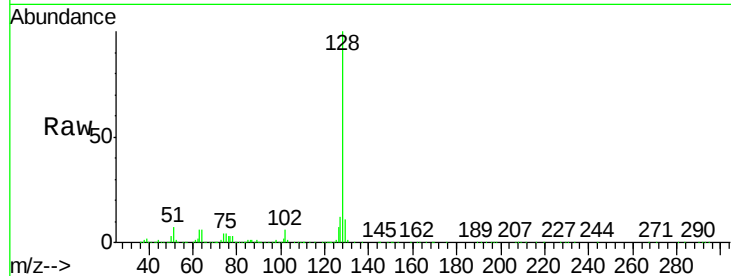
ClientSampleId :

VF0916SBS01

Tot Ion:	128	Resp:	499001
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.8	14.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:51:10 PM



#95

1,2,3-Trichlorobenzene

Concen: 19.82 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF045396.D

Acq: 16 Sep 2015 18:12

Tgt Ion:	180	Resp:	242899
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.6	142.8
145	30.8	14.5	43.6

