

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045394.D
 Acq On : 16 Sep 2015 16:34
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVVF091615

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:05 PM

Quant Time: Sep 16 16:59:22 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	4.81	168	1131277	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1660888	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1575428	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	904076	50.00	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.77	65	540770	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
34) Dibromofluoromethane	4.04	113	592992	46.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.18%	
49) Toluene-d8	7.50	98	1759115	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
61) 4-Bromofluorobenzene	11.35	95	825861	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.94	85	512217	53.17	ug/l	98
3) Chloromethane	1.03	50	398536	48.31	ug/l	# 84
4) Vinyl Chloride	1.10	62	364377	51.54	ug/l	99
5) Bromomethane	1.25	94	213753	48.69	ug/l	99
6) Chloroethane	1.33	64	146615	52.04	ug/l	89
7) Trichlorofluoromethane	1.45	101	736499m	50.77	ug/l	
8) Diethyl Ether	1.60	74	168325	55.51	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.79	101	424259	50.82	ug/l	95
10) Methyl Iodide	1.80	142	875340	51.27	ug/l	97
11) Tert butyl alcohol	2.51	59	41416	303.39	ug/l	99
12) 1,1-Dichloroethene	1.72	96	350136	50.49	ug/l	93
13) Acrolein	1.95	56	170342	301.14	ug/l	99
14) Allyl chloride	2.05	41	560330	52.07	ug/l	98
15) Acrylonitrile	2.88	53	378247	289.93	ug/l	96
16) Acetone	2.19	43	806894	292.57	ug/l	98
17) Carbon Disulfide	1.73	76	1228639	51.99	ug/l	100
18) Methyl Acetate	2.30	43	619158	58.53	ug/l	97
19) Methyl tert-butyl Ether	2.38	73	304168	55.74	ug/l	98
20) Methylene Chloride	2.13	84	389231	52.16	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	380201	48.90	ug/l	95
22) Diisopropyl ether	2.75	45	1221800	53.27	ug/l	98
23) Vinyl Acetate	3.12	43	1843080	275.28	ug/l	99
24) 1,1-Dichloroethane	2.82	63	790411	50.91	ug/l	98
25) 2-Butanone	4.26	43	1121197	290.61	ug/l	95
26) 2,2-Dichloropropane	3.54	77	670402	46.37	ug/l	99
27) cis-1,2-Dichloroethene	3.41	96	629632	52.43	ug/l	97
28) Bromochloromethane	3.65	49	287249	47.12	ug/l	# 93
29) Chloroform	3.78	83	1114527	51.07	ug/l	98
30) Cyclohexane	3.64	56	734816	52.45	ug/l	98
31) 1,1,1-Trichloroethane	4.02	97	886119	49.02	ug/l	94
35) 1,1-Dichloropropene	4.22	75	774088	49.13	ug/l	96
36) Ethyl Acetate	4.04	43	468774	58.80	ug/l	# 68
37) Carbon Tetrachloride	3.92	117	866764	52.22	ug/l	98
38) Methylcyclohexane	5.40	83	773155	45.65	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	1948133	52.88	ug/l	99
40) Methacrylonitrile	4.67	41	217170	57.55	ug/l	98
41) 1,2-Dichloroethane	4.87	62	782703	52.67	ug/l	96
42) Isopropyl Acetate	6.90	43	639971	60.92	ug/l #	94
43) Trichloroethene	5.44	130	595596	47.34	ug/l	99
44) 1,2-Dichloropropane	6.17	63	572980	53.39	ug/l	98
45) Dibromomethane	6.02	93	423735	55.48	ug/l	97
46) Bromodichloromethane	6.32	83	888378	51.95	ug/l	96
47) Methyl methacrylate	6.66	41	354881	55.66	ug/l	86
48) 1,4-Dioxane	6.64	88	88641	1160.62	ug/l #	90
50) 4-Methyl-2-Pentanone	8.20	43	2223544	297.69	ug/l	100
51) Toluene	7.57	92	1466041	51.65	ug/l	99
52) t-1,3-Dichloropropene	8.22	75	843544	54.88	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	1008089	55.53	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	499741	52.05	ug/l	99
55) Ethyl methacrylate	8.56	69	710517	56.89	ug/l	97
56) 1,3-Dichloropropane	8.79	76	807877	51.59	ug/l	99
58) 2-Hexanone	9.43	43	1690842	284.40	ug/l	99
59) Dibromochloromethane	8.64	129	726006	53.36	ug/l	98
60) 1,2-Dibromoethane	8.92	107	617538	56.68	ug/l	97
63) Tetrachloroethene	8.09	164	663522	53.01	ug/l	96
64) Chlorobenzene	9.72	112	1716246	51.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	609779	50.47	ug/l	98
66) Ethyl Benzene	9.83	91	2754459	48.10	ug/l	99
67) m/p-Xylenes	10.07	106	1995942	97.24	ug/l	94
68) o-Xylene	10.65	106	1102151	51.72	ug/l	99
69) Styrene	10.73	104	1728954	50.84	ug/l	98
70) Bromoform	10.71	173	514666	57.40	ug/l	98
72) Isopropylbenzene	11.07	105	3045966	50.28	ug/l	95
73) N-amyl acetate	11.32	43	963886	57.41	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.64	83	744904	54.26	ug/l	100
75) 1,2,3-Trichloropropane	11.73	75	527639	55.89	ug/l	99
76) Bromobenzene	11.44	156	887535	51.67	ug/l	84
77) n-propylbenzene	11.54	91	3721957	49.50	ug/l	97
78) 2-Chlorotoluene	11.66	91	2088875	49.66	ug/l	94
79) 1,3,5-Trimethylbenzene	11.77	105	2438501	49.40	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.81	75	301282m	59.58	ug/l	
81) 4-Chlorotoluene	11.84	91	2291029	49.28	ug/l	94
82) tert-Butylbenzene	12.08	119	2347850	48.09	ug/l	99
83) 1,2,4-Trimethylbenzene	12.15	105	2582040	51.01	ug/l	97
84) sec-Butylbenzene	12.26	105	3305741	48.71	ug/l	99
85) p-Isopropyltoluene	12.40	119	2501958	47.35	ug/l	96
86) 1,3-Dichlorobenzene	12.41	146	1425767	48.82	ug/l	96
87) 1,4-Dichlorobenzene	12.50	146	1419156	48.67	ug/l	95
88) n-Butylbenzene	12.79	91	2540277	47.83	ug/l	98
89) Hexachloroethane	12.86	117	604460	48.33	ug/l	100
90) 1,2-Dichlorobenzene	12.88	146	1381841	51.44	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	13.58	75	108095	59.31	ug/l	94
92) 1,2,4-Trichlorobenzene	14.13	180	851580	54.79	ug/l	96
93) Hexachlorobutadiene	14.13	225	601756	50.97	ug/l	97

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QLast Update : Wed Sep 16 16:04:03 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	1582166	53.77	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	727744	56.99	ug/l	94

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

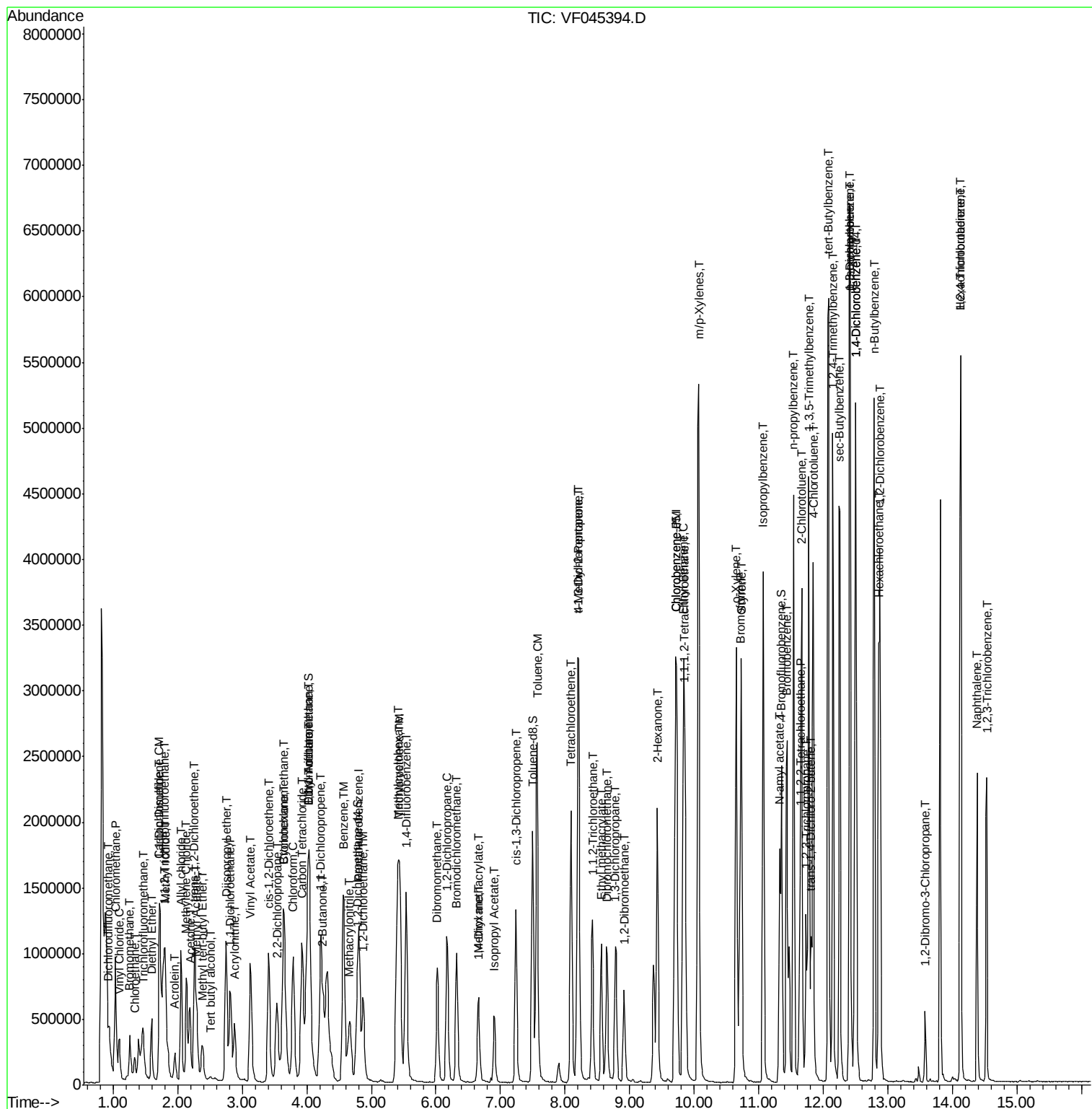
Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
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Operator : FY/SY
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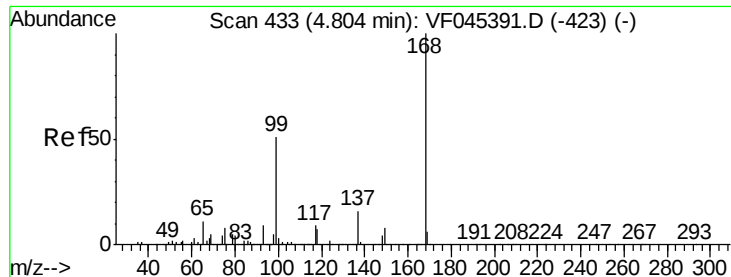
Instrument :
MSVOA_F
ClientSampleId :
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#1

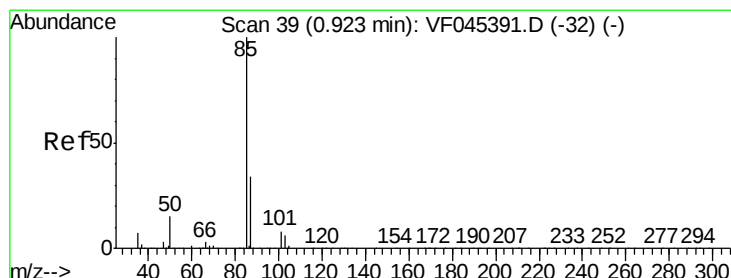
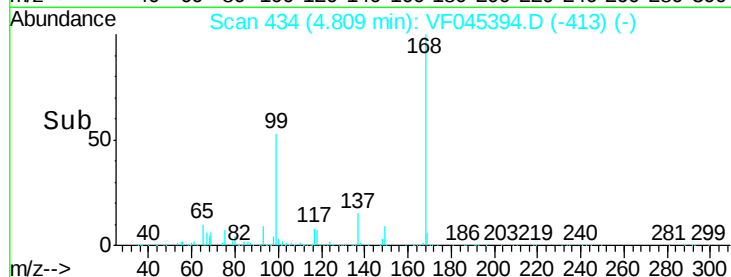
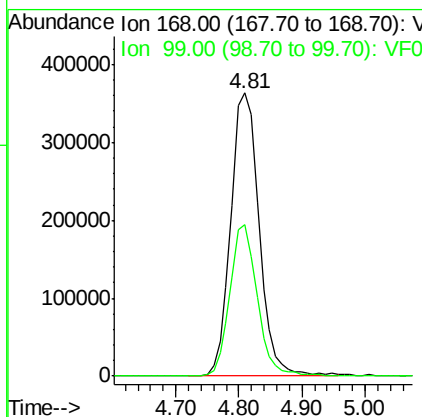
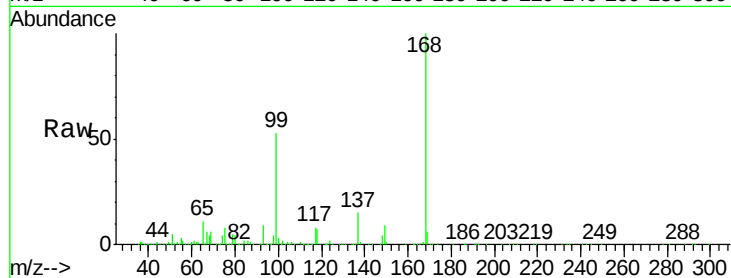
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF045394.D
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Instrument :
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ClientSampleId :
ICVVF091615

Tot Ion:168 Resp: 1131277
Ion Ratio Lower Upper
168 100
99 53.4 39.0 58.4

Manual Integrations
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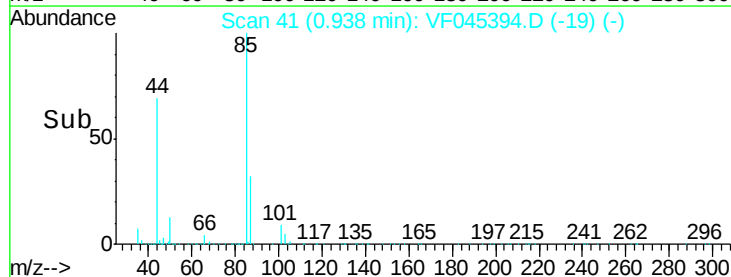
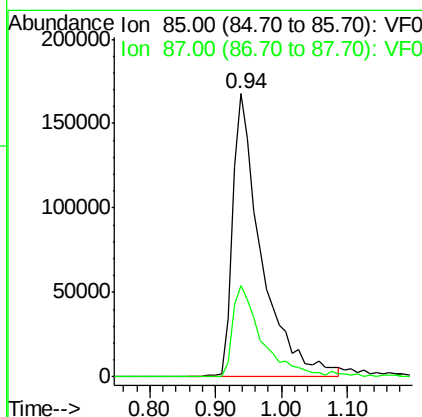
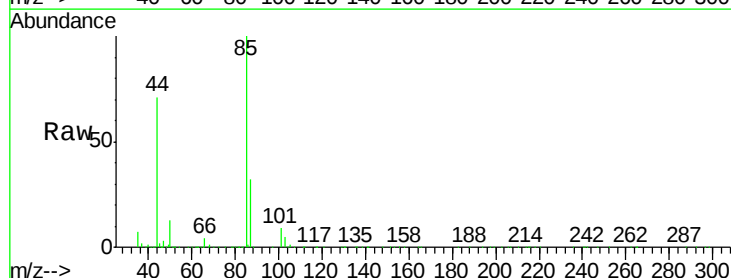
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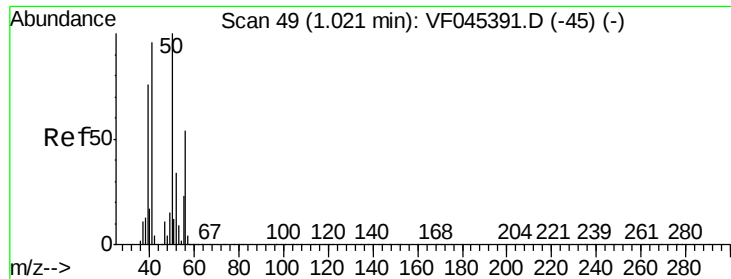


#2

Dichlorodifluoromethane
Concen: 53.17 ug/l
RT: 0.94 min Scan# 41
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 85 Resp: 512217
Ion Ratio Lower Upper
85 100
87 32.3 15.6 46.7





#3

Chloromethane

Concen: 48.31 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 50 Resp: 398536

Ion Ratio Lower Upper

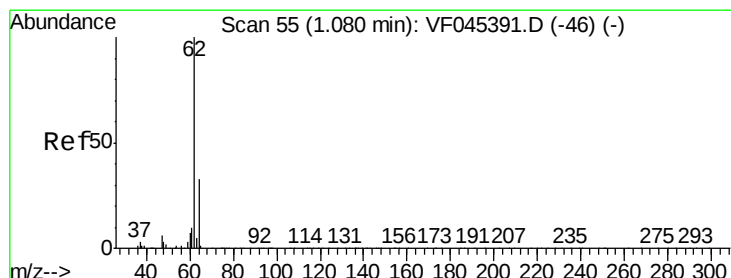
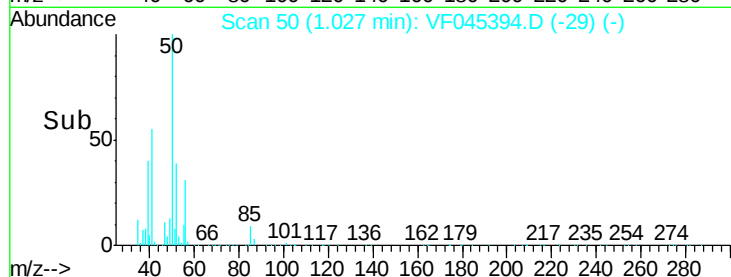
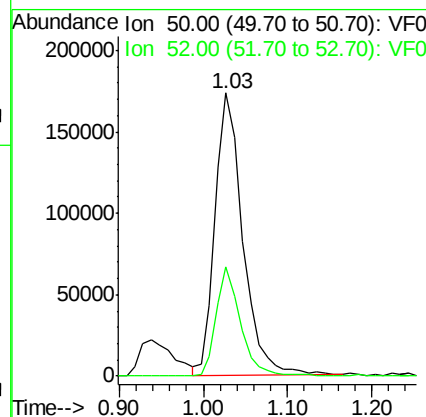
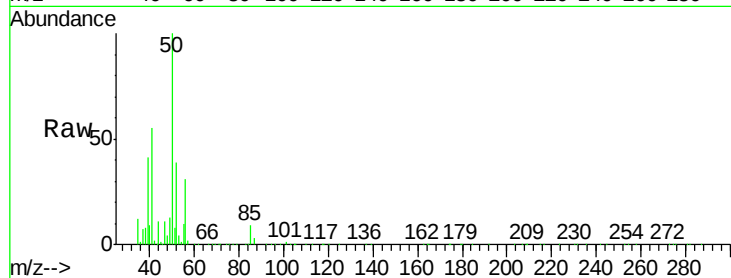
50 100

52 38.6 23.8 35.8#

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.54 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF045394.D

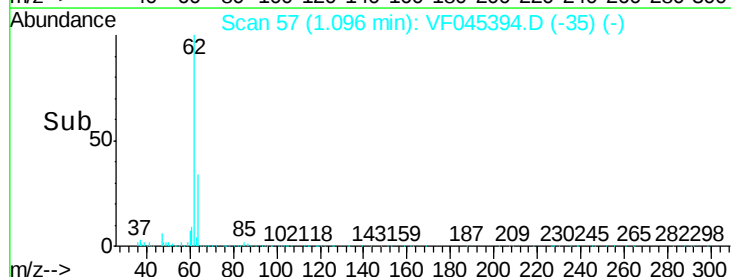
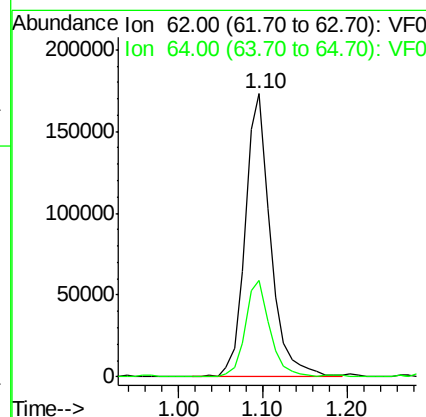
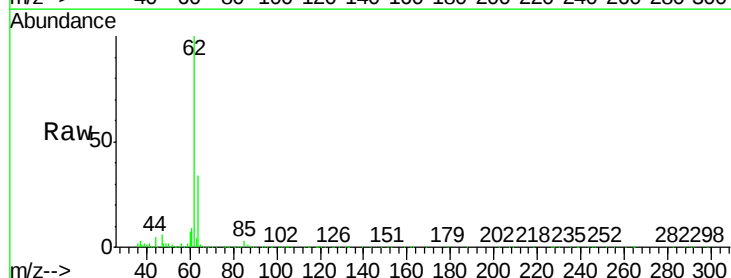
Acq: 16 Sep 2015 16:34

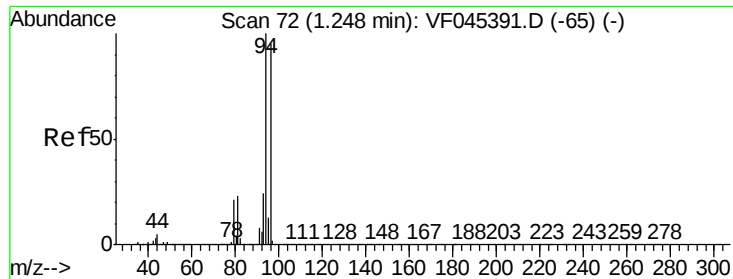
Tgt Ion: 62 Resp: 364377

Ion Ratio Lower Upper

62 100

64 34.0 26.6 39.8





#5

Bromomethane

Concen: 48.69 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 213753

Ion Ratio Lower Upper

94 100

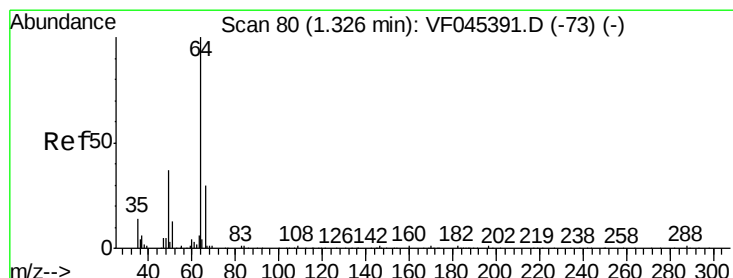
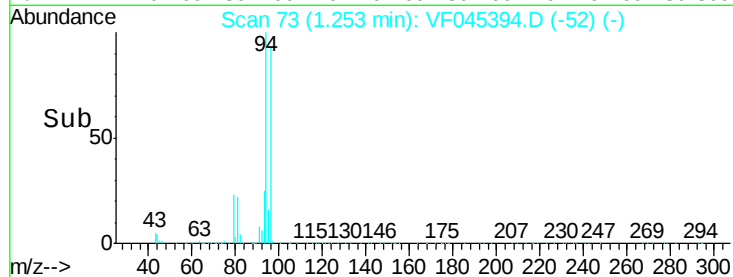
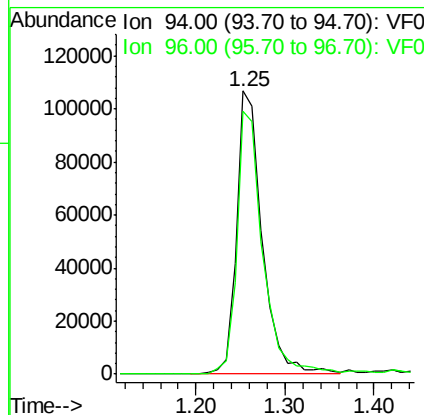
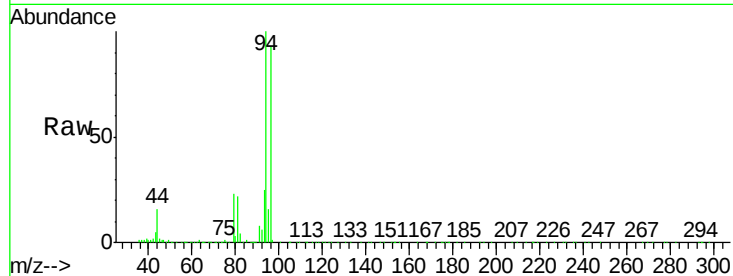
96 92.8 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 52.04 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045394.D

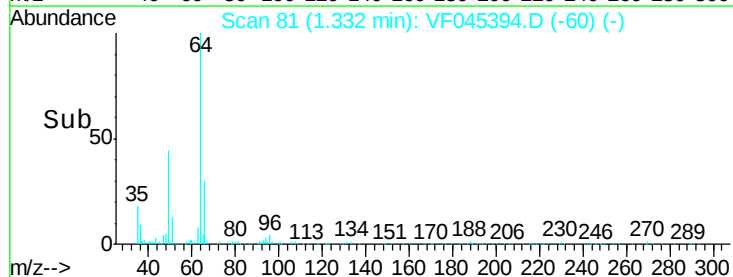
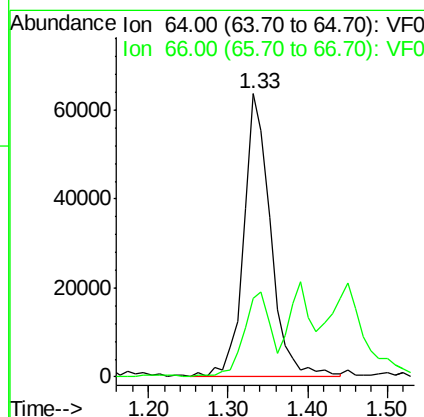
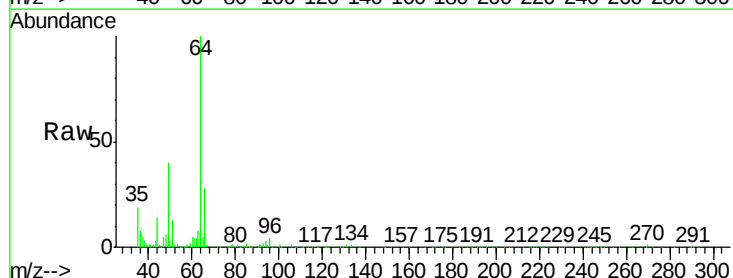
Acq: 16 Sep 2015 16:34

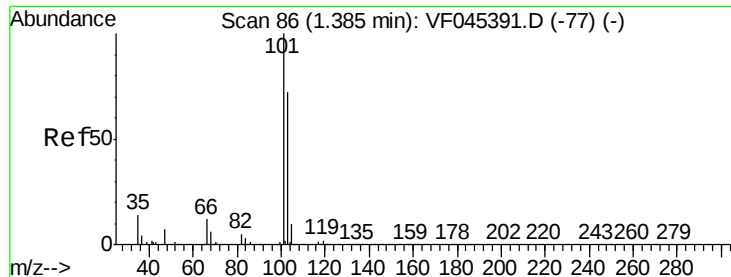
Tgt Ion: 64 Resp: 146615

Ion Ratio Lower Upper

64 100

66 27.6 27.3 40.9





#7

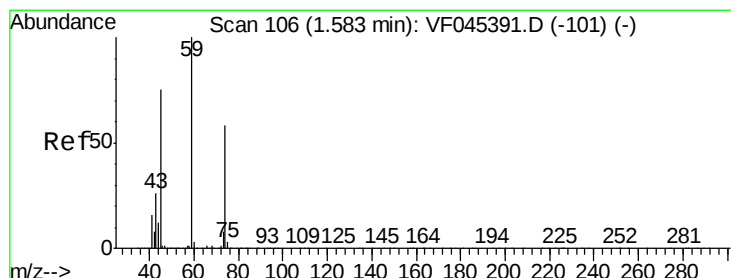
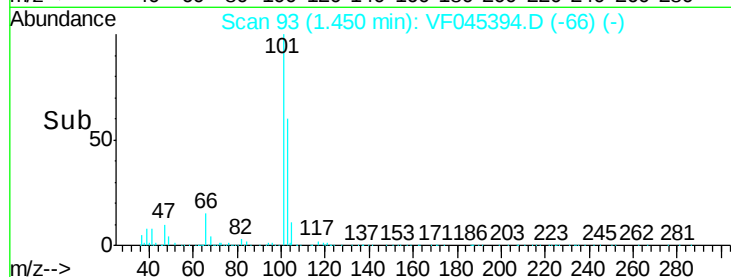
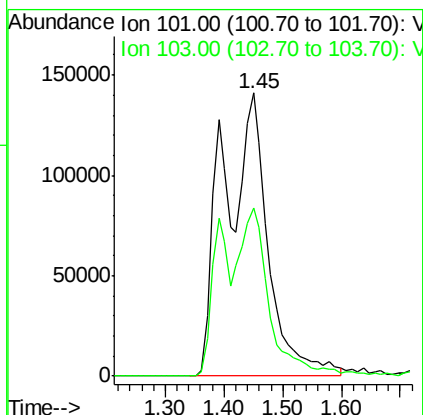
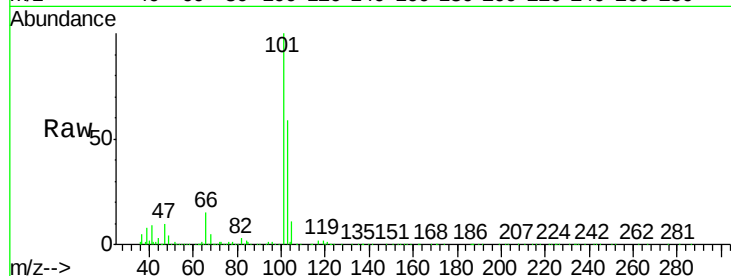
Trichlorofluoromethane
Concen: 50.77 ug/l m
RT: 1.45 min Scan# 93
Delta R.T. 0.06 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	50.8	76.2

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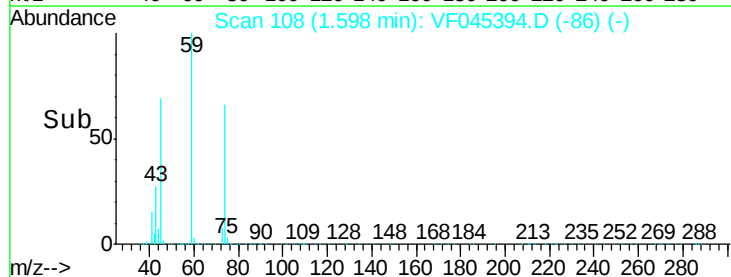
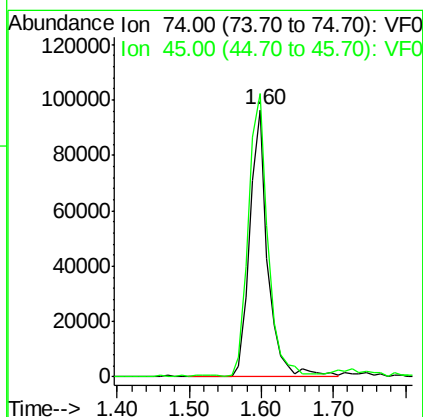
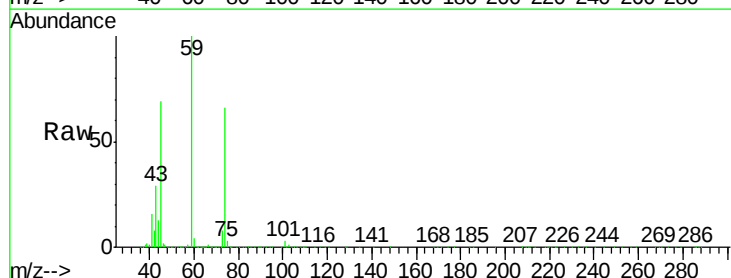
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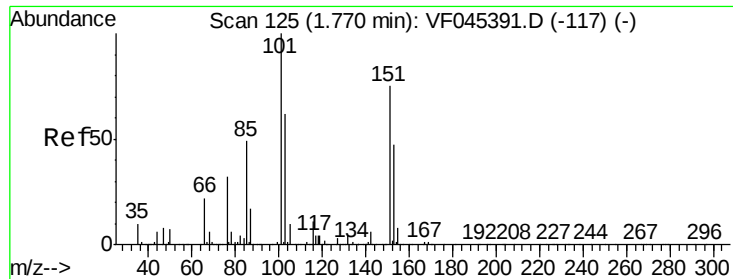


#8

Diethyl Ether
Concen: 55.51 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.82 ug/l

RT: 1.79 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

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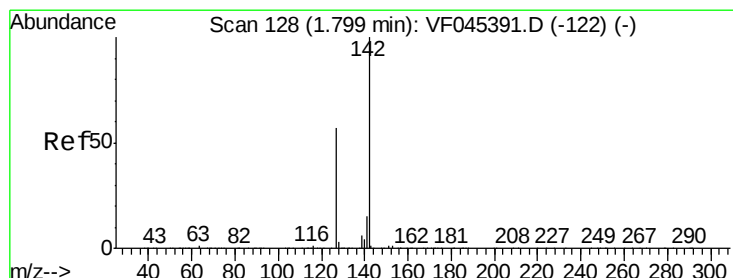
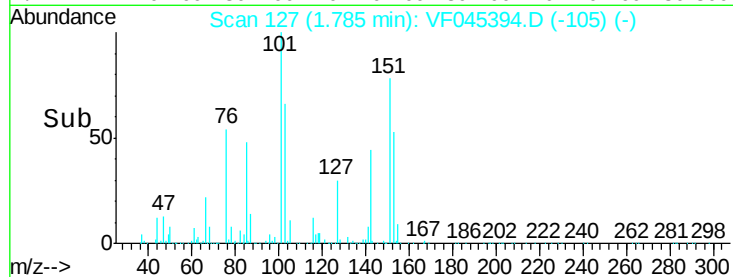
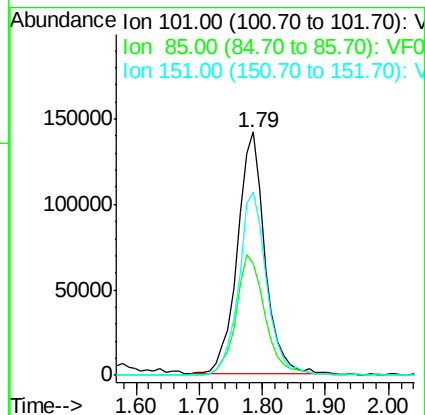
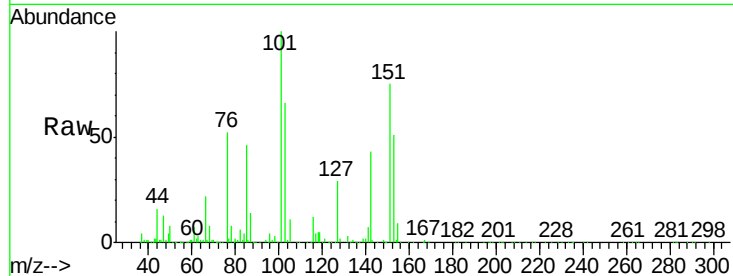
ClientSampleId :

ICVVF091615

Tot Ion:	101	Resp:	424259
Ion Ratio	Lower	Upper	
101	100		
85	46.0	40.0	60.0
151	75.2	62.8	94.2

Manual Integrations
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MMDadoda
9/17/2015 12:51:05 PM



#10

Methyl Iodide

Concen: 51.27 ug/l

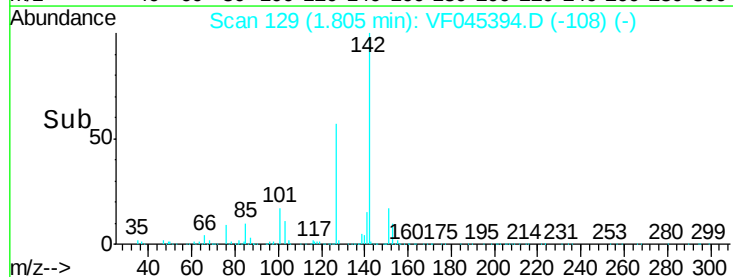
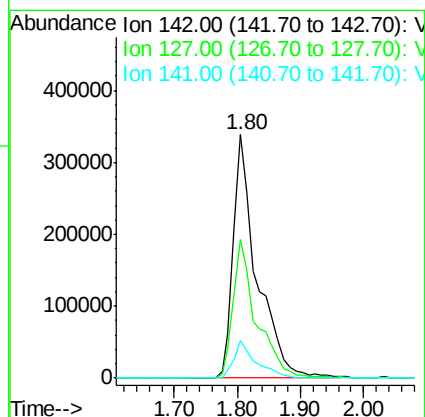
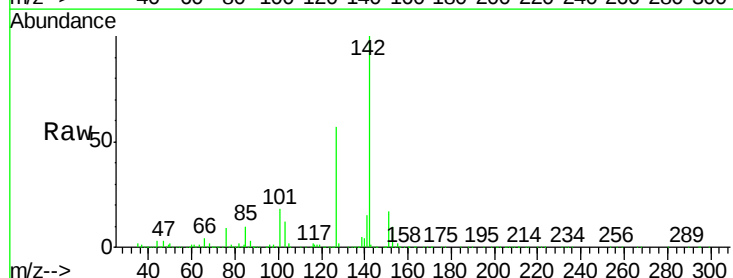
RT: 1.80 min Scan# 129

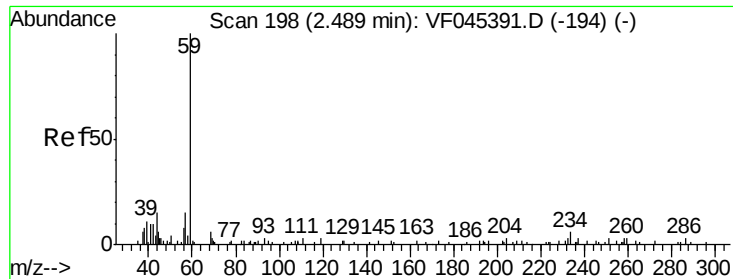
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	142	Resp:	875340
Ion Ratio	Lower	Upper	
142	100		
127	56.8	43.3	64.9
141	15.2	12.1	18.1





#11

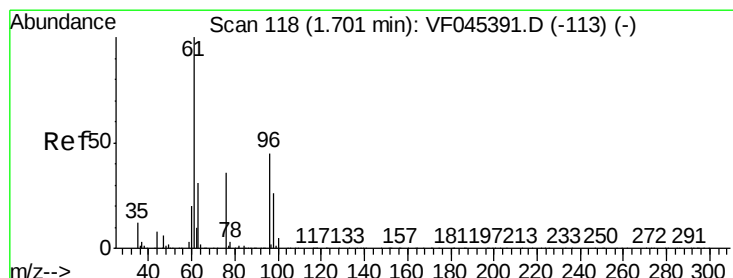
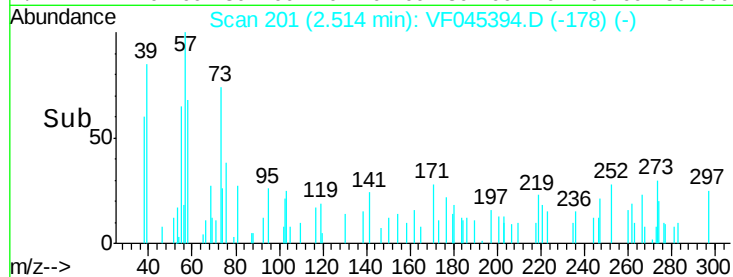
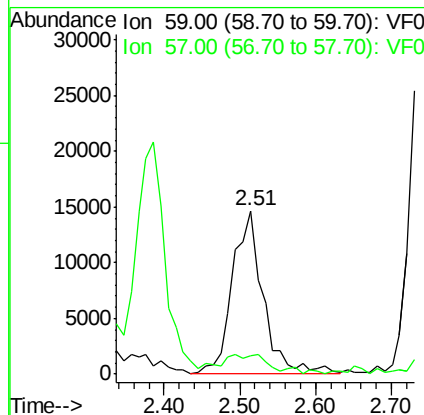
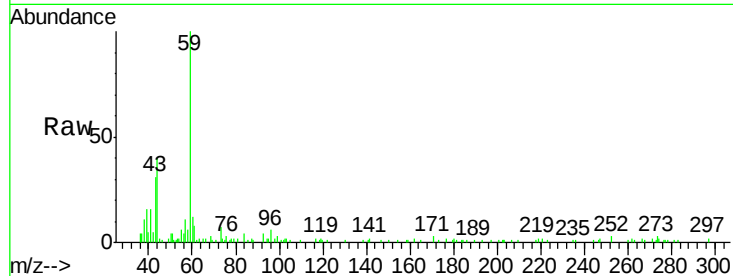
Tert butyl alcohol
Concen: 303.39 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.03 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0

Manual Integrations
APPROVED

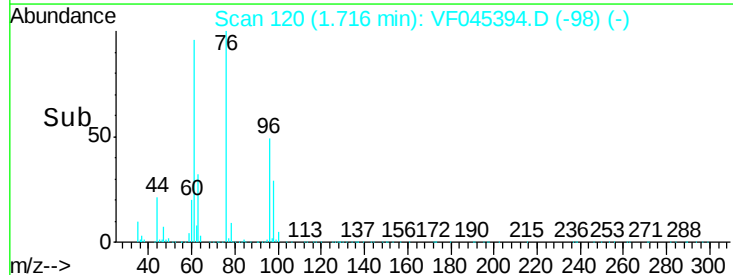
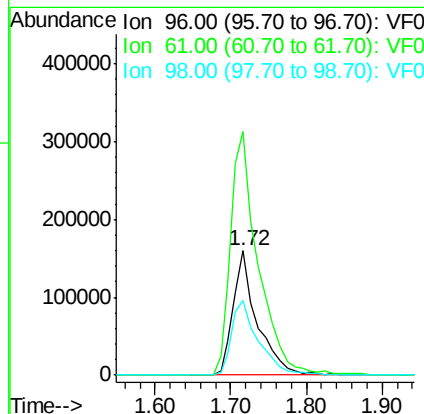
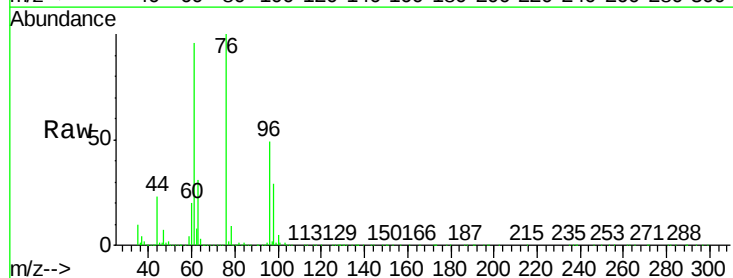
MMDadoda
9/17/2015 12:51:05 PM

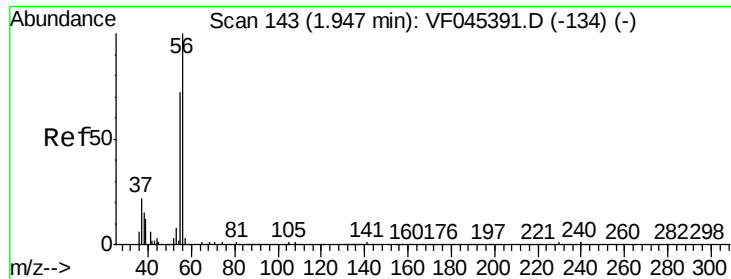


#12

1,1-Dichloroethene
Concen: 50.49 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.2	165.8	248.8
98	59.7	51.2	76.8





#13

Acrolein

Concen: 301.14 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 56 Resp: 170342

Ion Ratio Lower Upper

56 100

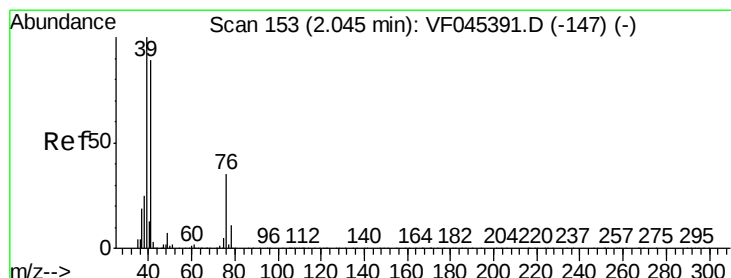
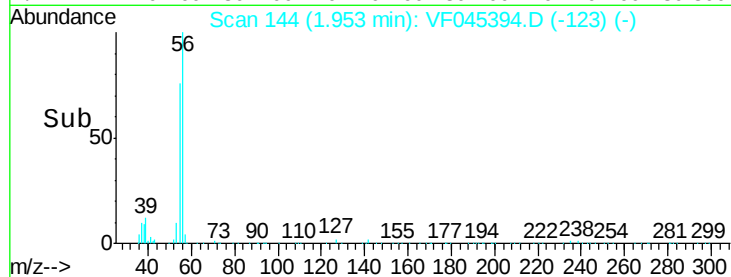
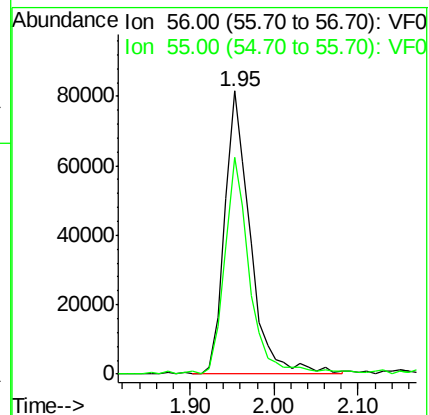
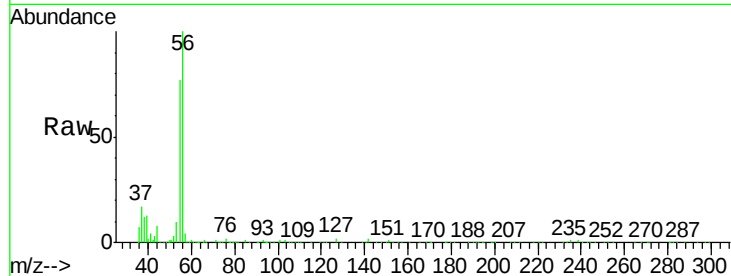
55 76.6 60.5 90.7

Manual Integrations

APPROVED

MMDadoda

9/17/2015 12:51:05 PM



#14

Allyl chloride

Concen: 52.07 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

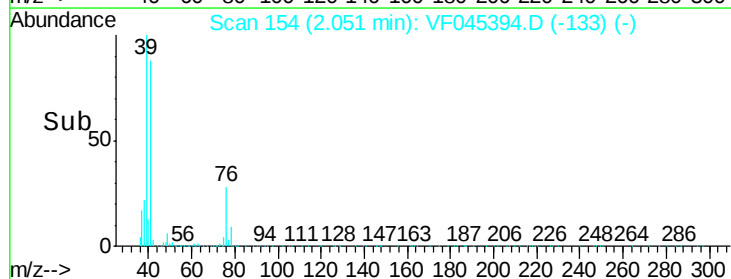
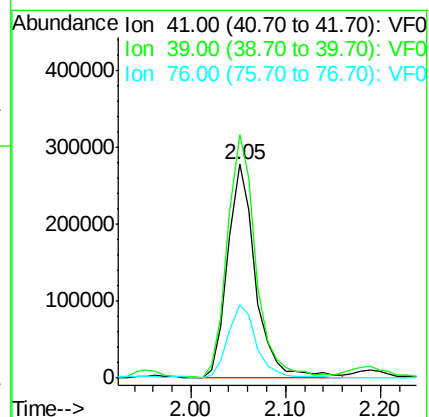
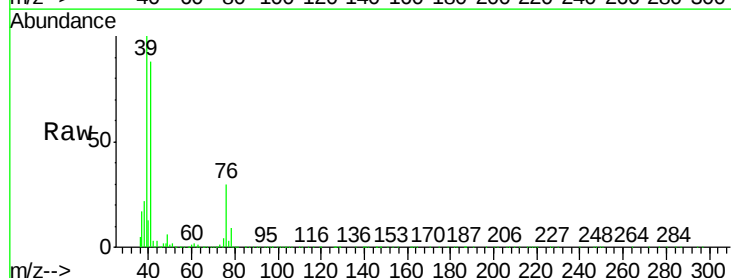
Tgt Ion: 41 Resp: 560330

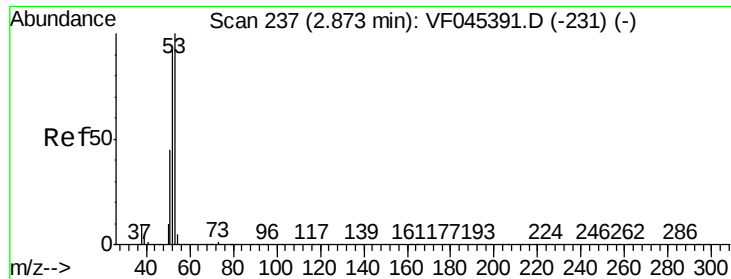
Ion Ratio Lower Upper

41 100

39 113.8 92.8 139.2

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 289.93 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

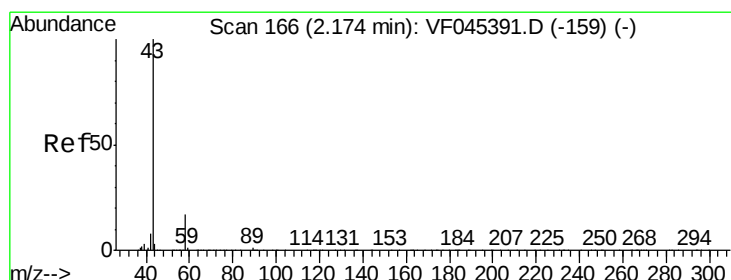
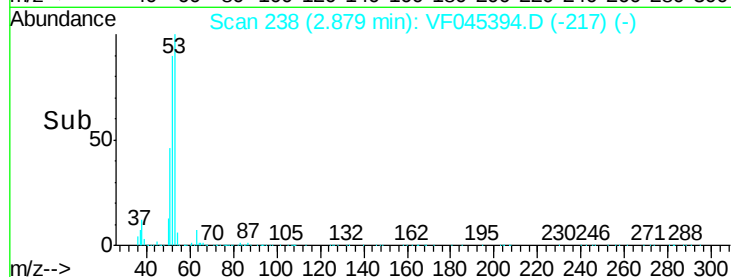
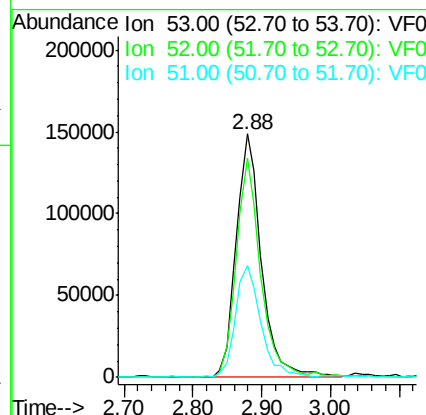
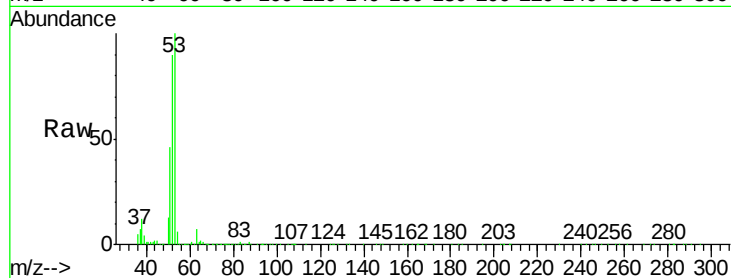
ClientSampleId :

ICVVF091615

Tot Ion:	53	Resp:	378247
Ion	Ratio	Lower	Upper
53	100		
52	90.0	72.7	109.1
51	46.1	42.2	63.2

Manual Integrations
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9/17/2015 12:51:05 PM



#16

Acetone

Concen: 292.57 ug/l

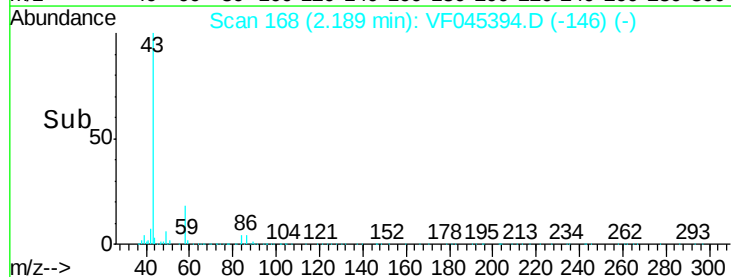
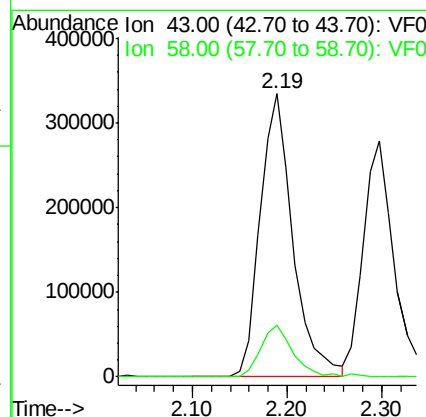
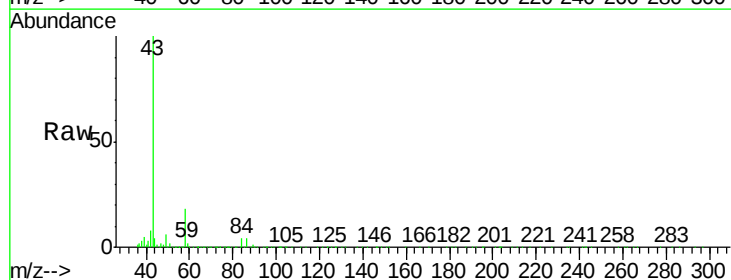
RT: 2.19 min Scan# 168

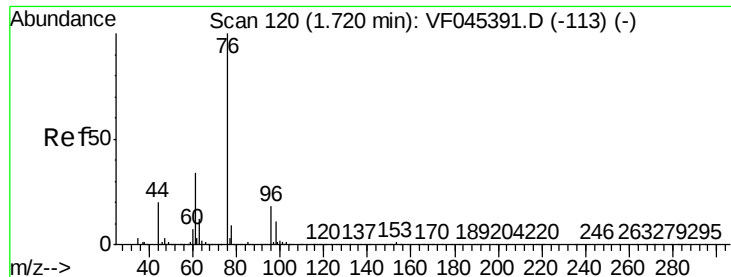
Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	43	Resp:	806894
Ion	Ratio	Lower	Upper
43	100		
58	18.3	13.9	20.9





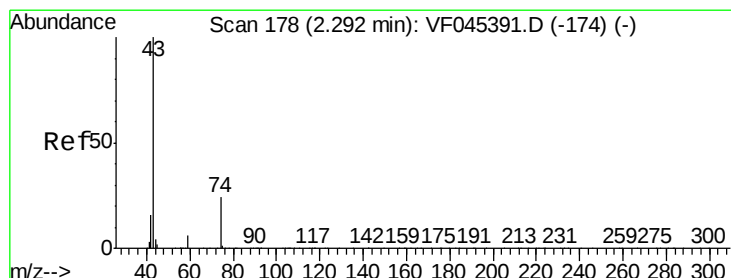
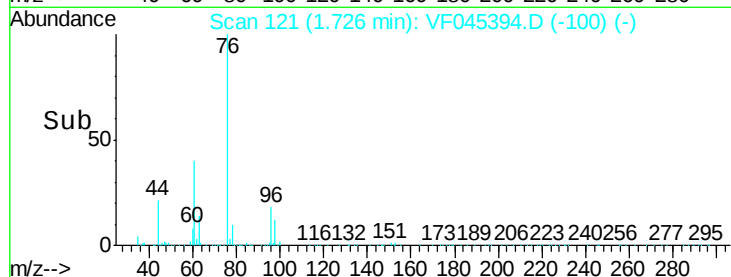
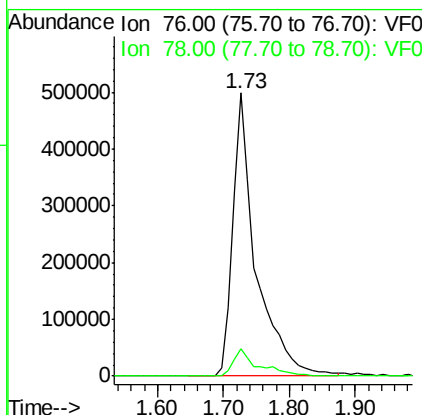
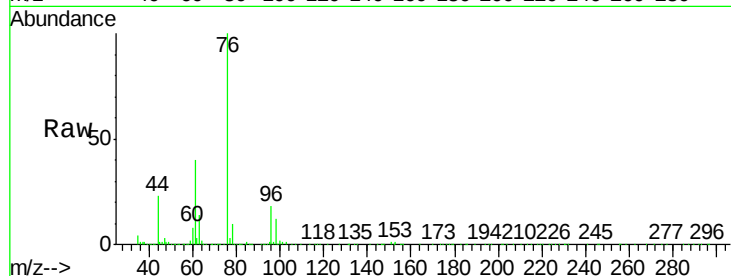
#17
Carbon Disulfide
Concen: 51.99 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion: 76 Resp: 1228639
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4

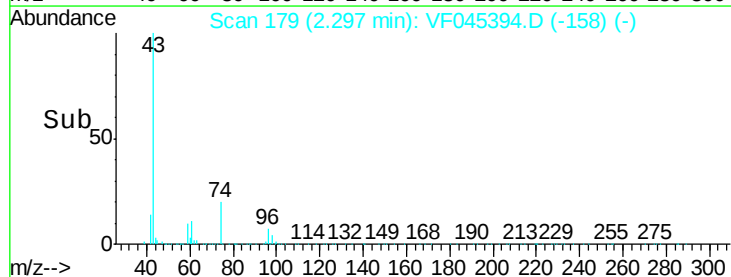
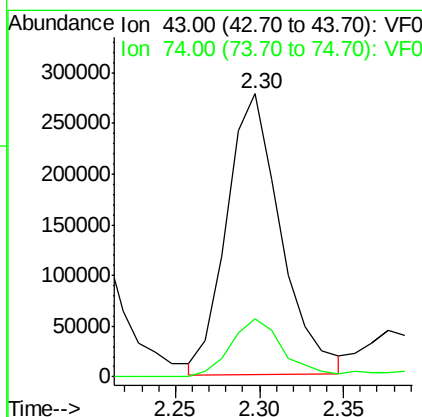
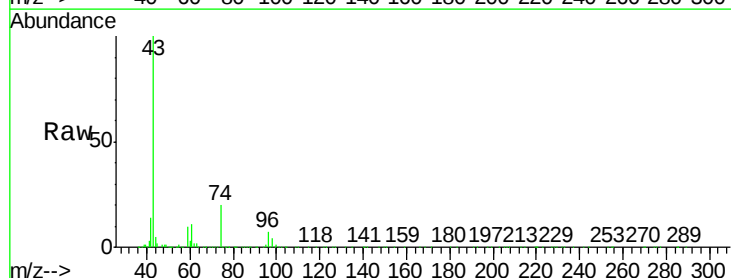
Manual Integrations
APPROVED

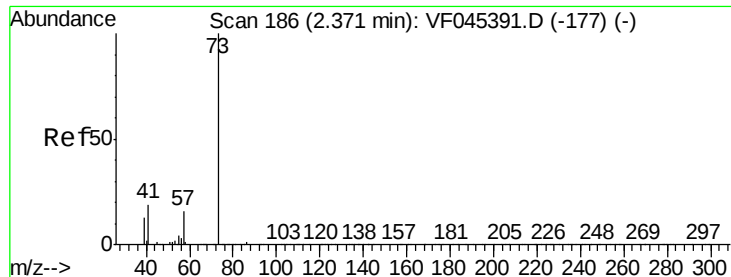
MMDadoda
9/17/2015 12:51:05 PM



#18
Methyl Acetate
Concen: 58.53 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 43 Resp: 619158
Ion Ratio Lower Upper
43 100
74 20.4 15.1 22.7





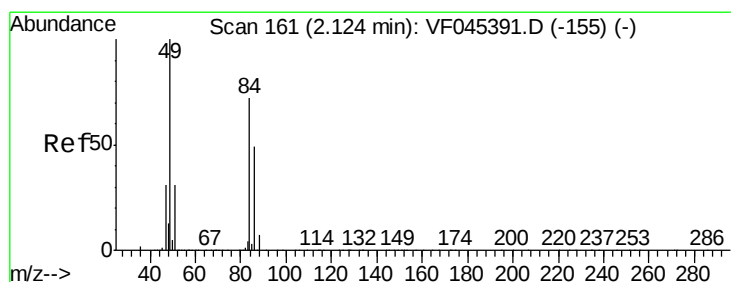
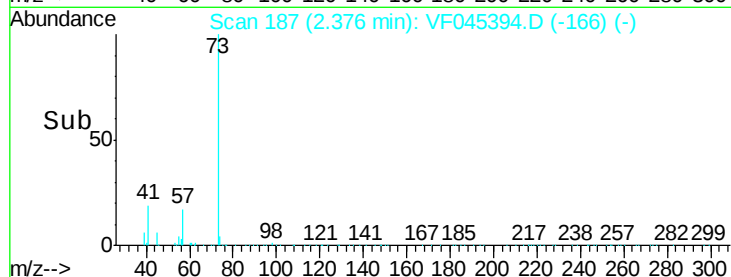
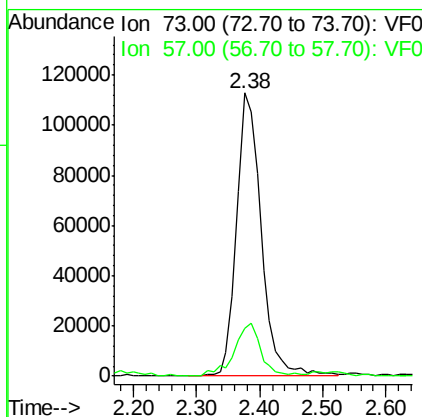
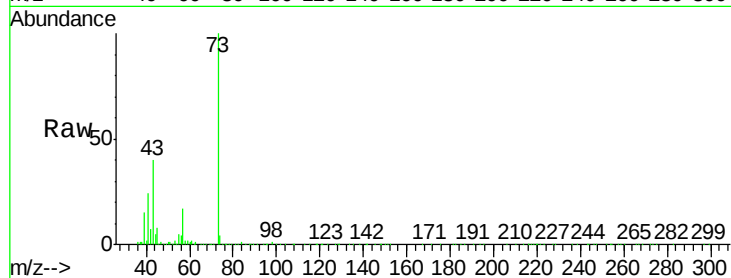
#19
Methvl tert-butvl Ether
Concen: 55.74 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.1	12.9	19.3

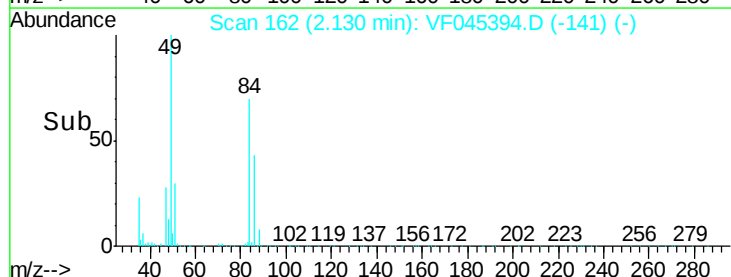
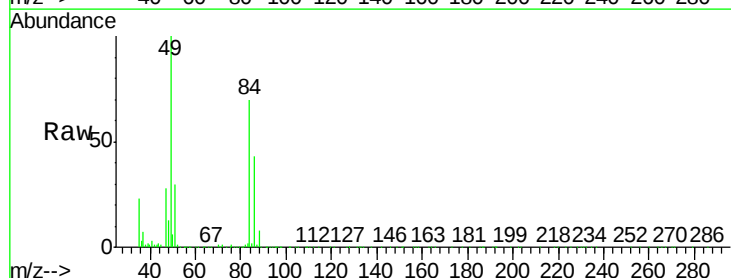
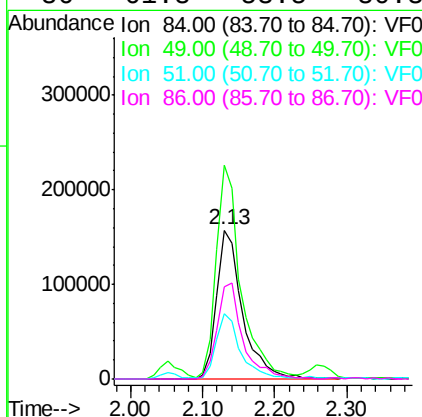
Manual Integrations
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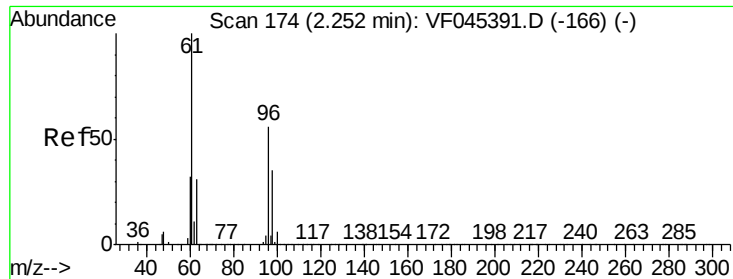
MMDadoda
9/17/2015 12:51:05 PM



#20
Methylene Chloride
Concen: 52.16 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.8	122.8	184.2
51	43.9	35.4	53.2
86	61.8	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 48.90 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

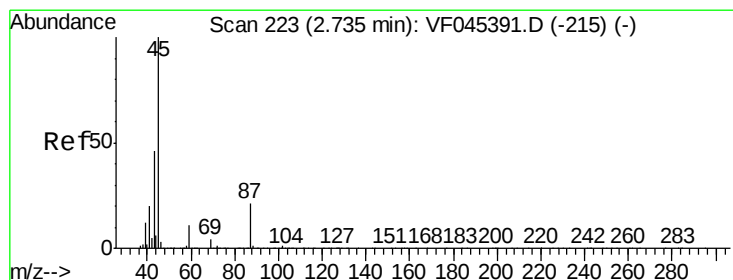
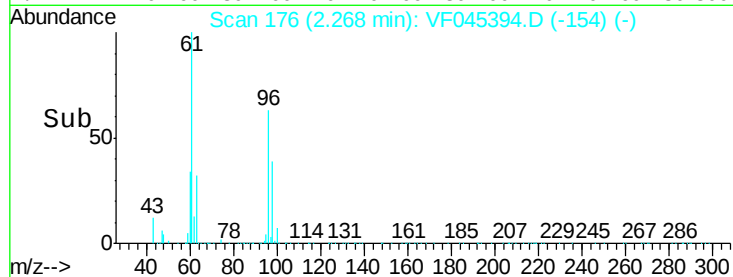
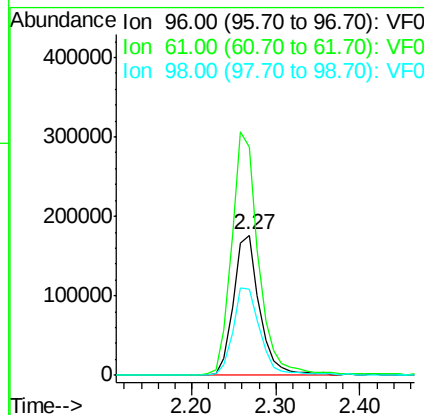
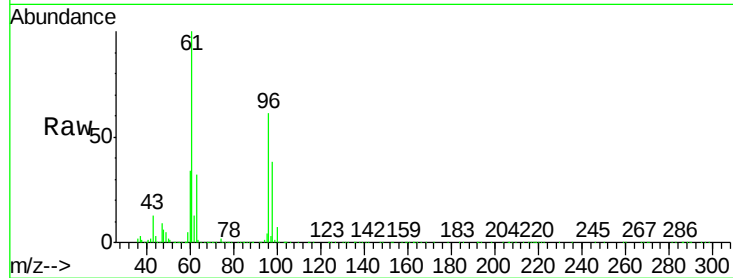
ClientSampleId :

ICVVF091615

Tot Ion:	96	Resp:	380201
Ion Ratio	Lower	Upper	
96	100		
61	163.5	136.8	205.2
98	61.5	51.0	76.4

Manual Integrations
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MMDadoda
9/17/2015 12:51:05 PM



#22

Diisopropyl ether

Concen: 53.27 ug/l

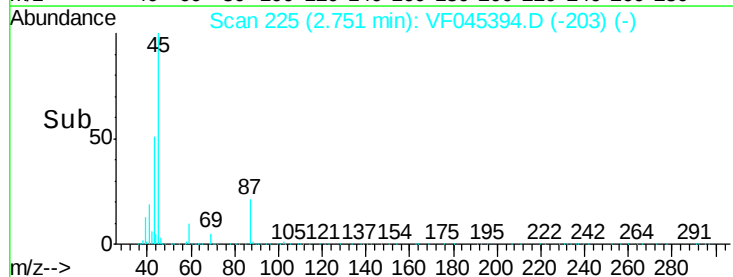
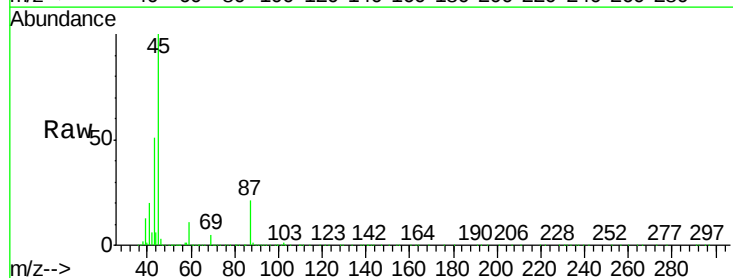
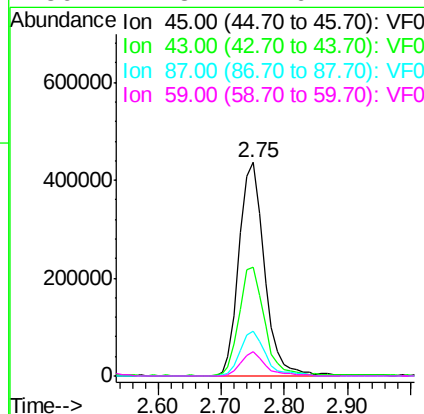
RT: 2.75 min Scan# 225

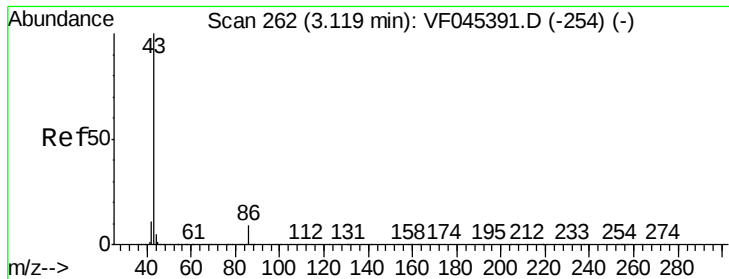
Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	45	Resp:	1221800
Ion Ratio	Lower	Upper	
45	100		
43	51.2	42.2	63.4
87	21.3	16.6	25.0
59	11.3	7.6	11.4





#23

Vinyl Acetate

Concen: 275.28 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 43 Resp: 1843080

Ion Ratio Lower Upper

43 100

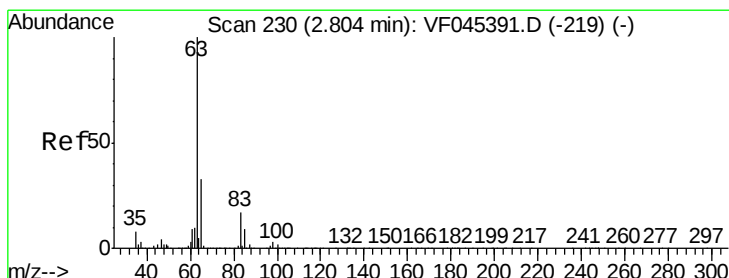
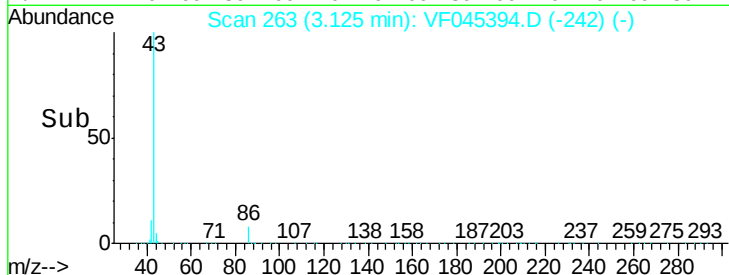
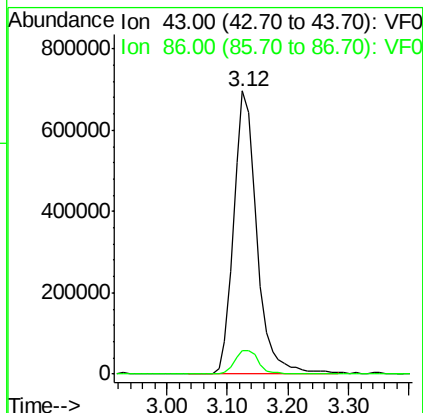
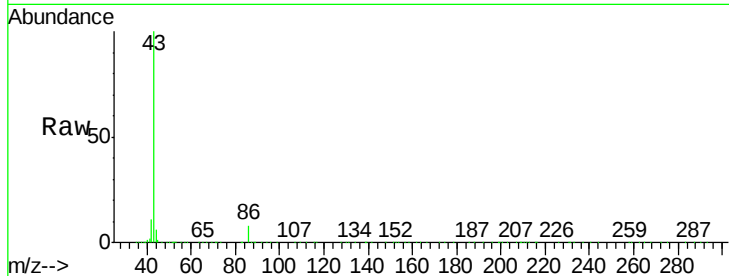
86 8.4 6.3 9.5

Manual Integrations

APPROVED

MMDadoda

9/17/2015 12:51:05 PM



#24

1,1-Dichloroethane

Concen: 50.91 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

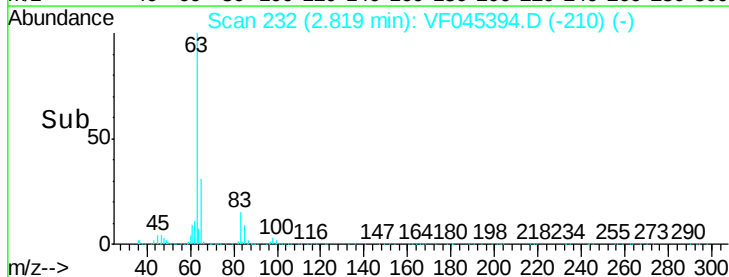
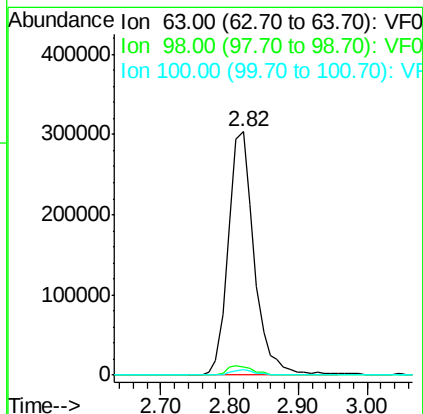
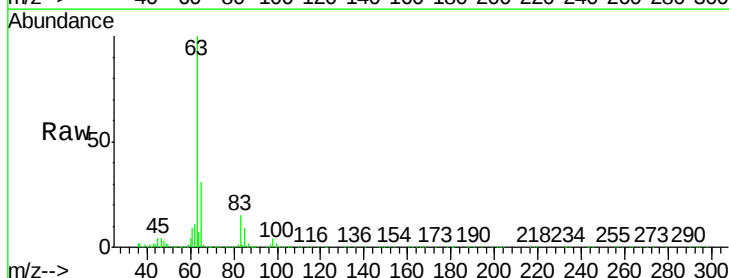
Tgt Ion: 63 Resp: 790411

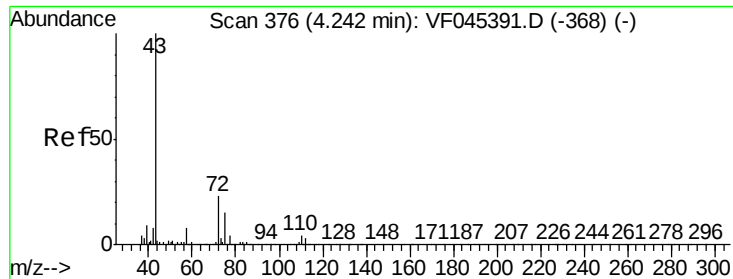
Ion Ratio Lower Upper

63 100

98 3.5 2.2 6.6

100 2.4 1.1 3.5





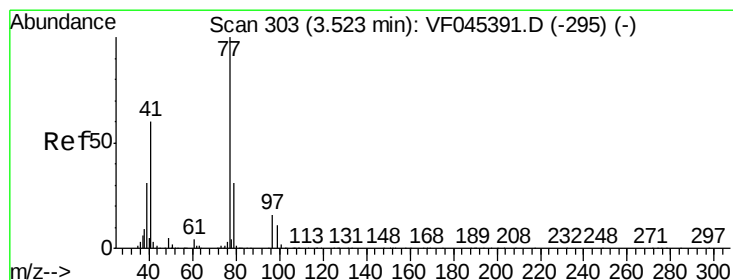
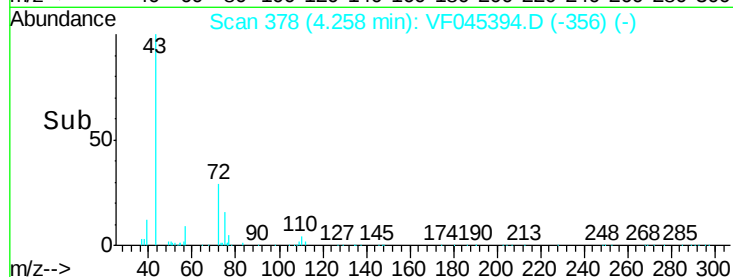
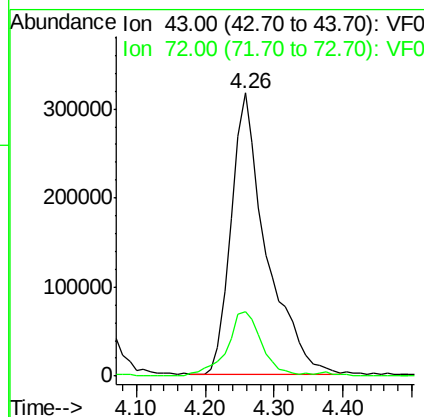
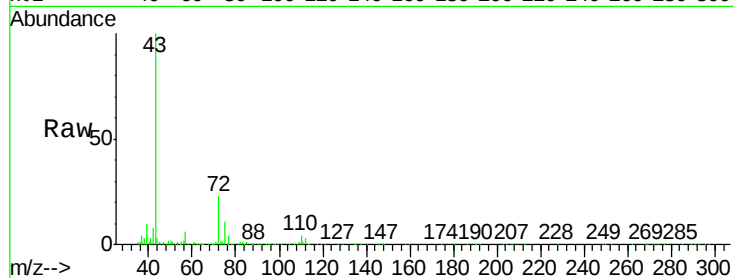
#25
2-Butanone
Concen: 290.61 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion: 43 Resp: 1121197
Ion Ratio Lower Upper
43 100
72 22.7 20.2 30.2

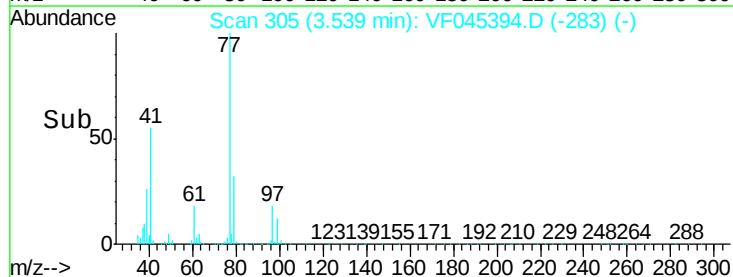
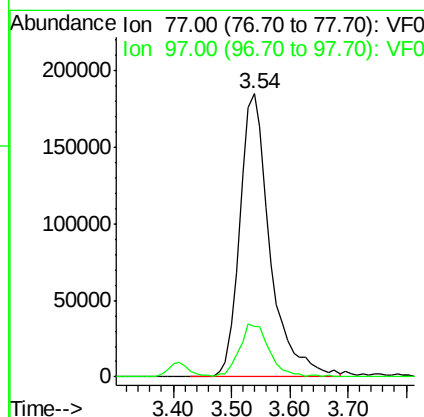
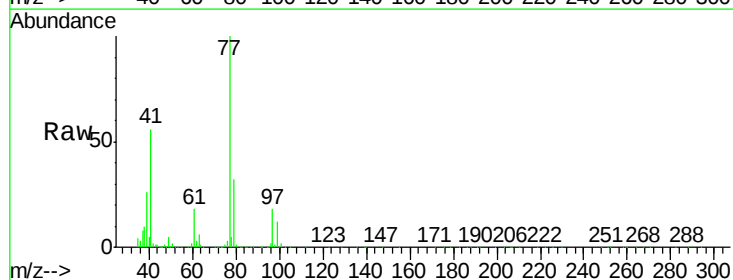
Manual Integrations
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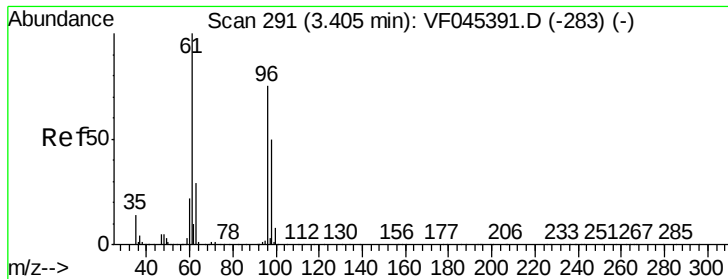
MMDadoda
9/17/2015 12:51:05 PM



#26
2,2-Dichloropropane
Concen: 46.37 ug/l
RT: 3.54 min Scan# 305
Delta R.T. 0.02 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 77 Resp: 670402
Ion Ratio Lower Upper
77 100
97 18.0 9.2 27.4





#27

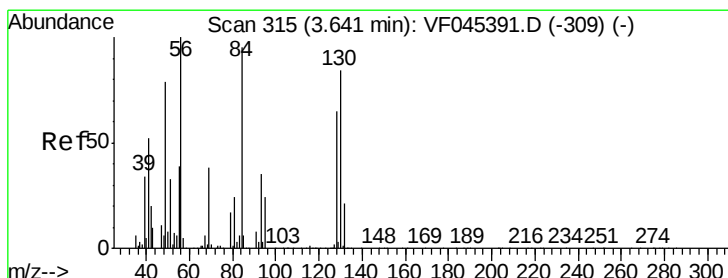
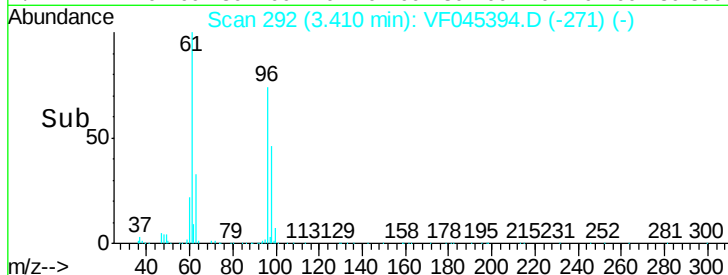
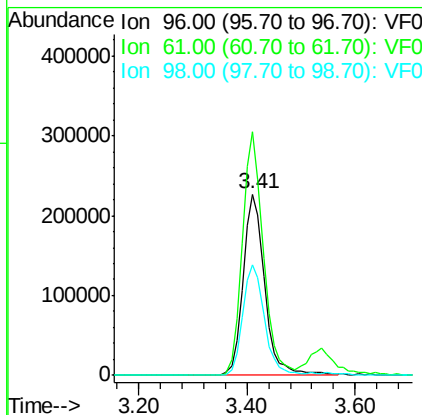
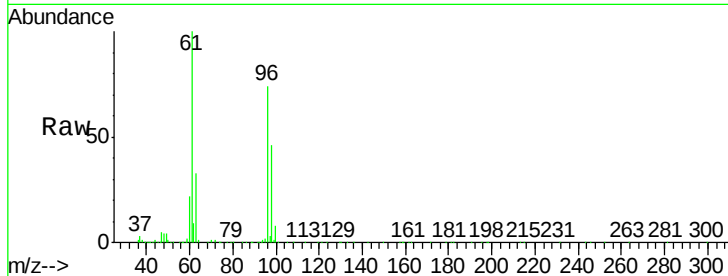
cis-1,2-Dichloroethene
Concen: 52.43 ug/l
RT: 3.41 min Scan# 292
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Resp	Lower	Upper
96	100	629632		
61	134.6	0.0	268.6	
98	61.4	0.0	135.8	

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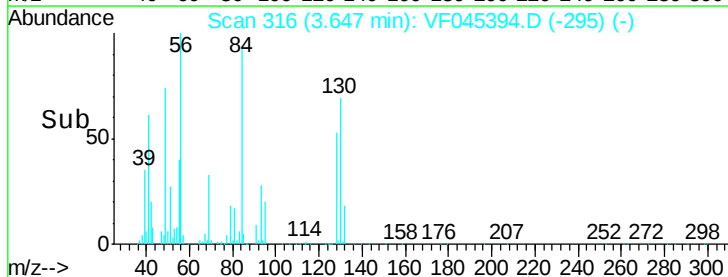
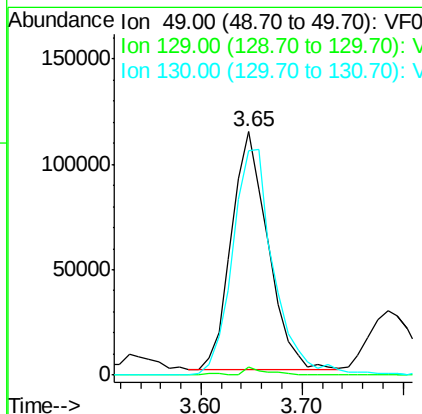
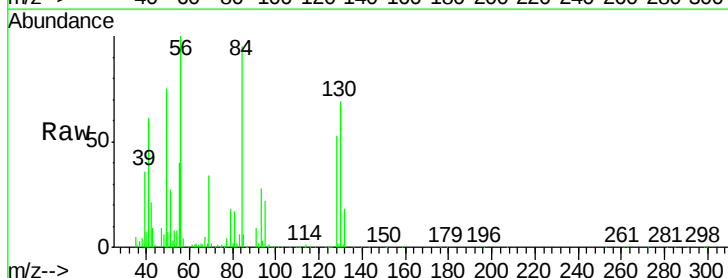
MMDadoda
9/17/2015 12:51:05 PM

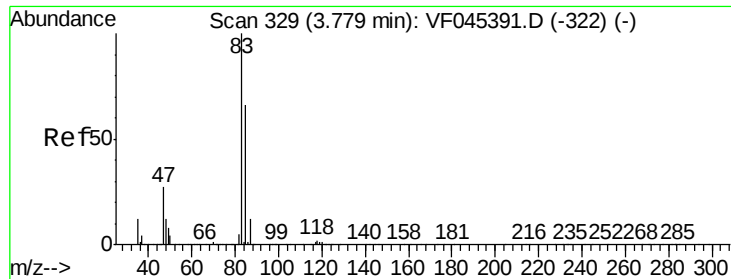


#28

Bromochloromethane
Concen: 47.12 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	287249		
129	3.2	0.0	0.0#	
130	92.1	79.6	119.4	





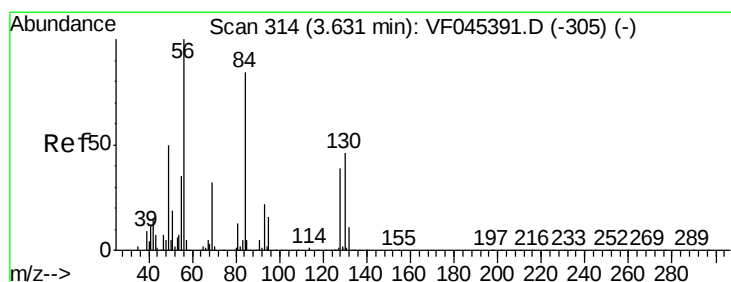
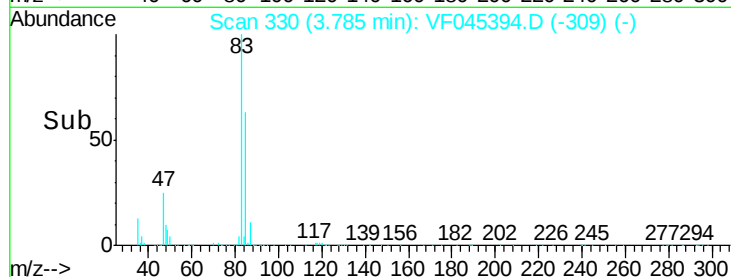
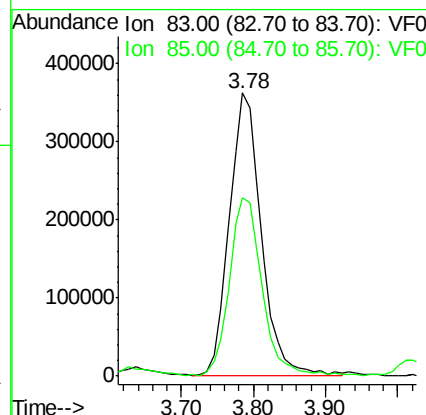
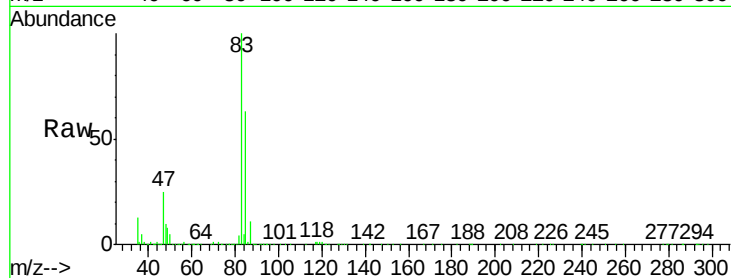
#29
Chloroform
Concen: 51.07 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion: 83 Resp: 1114527
Ion Ratio Lower Upper
83 100
85 63.1 51.6 77.4

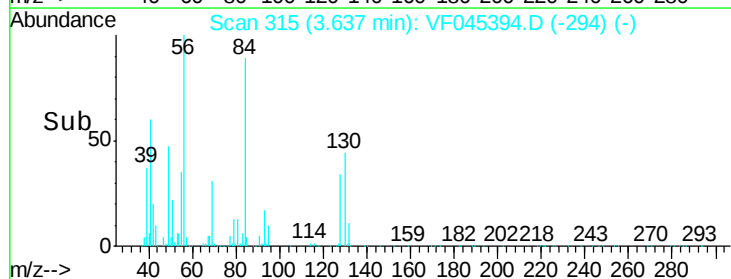
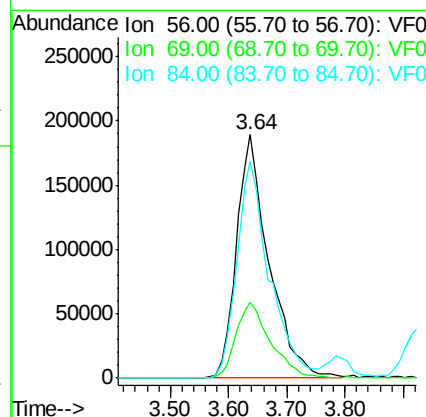
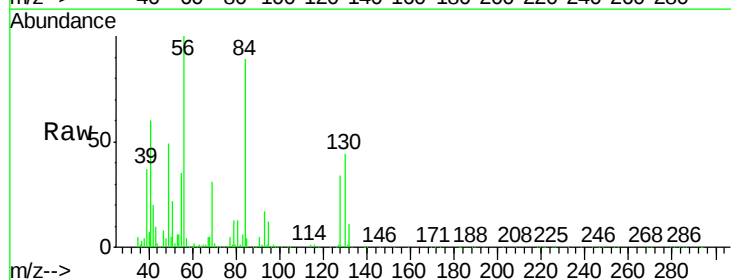
Manual Integrations
APPROVED

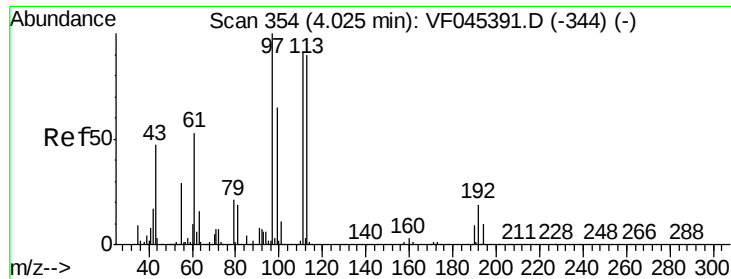
MMDadoda
9/17/2015 12:51:05 PM



#30
Cyclohexane
Concen: 52.45 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 56 Resp: 734816
Ion Ratio Lower Upper
56 100
69 31.0 26.1 39.1
84 89.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 49.02 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 97 Resp: 886119

Ion Ratio Lower Upper

97 100

99 68.4 51.1 76.7

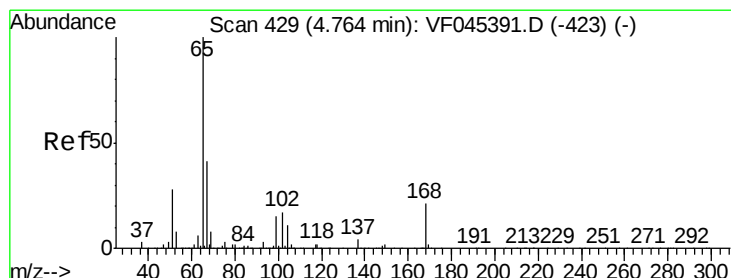
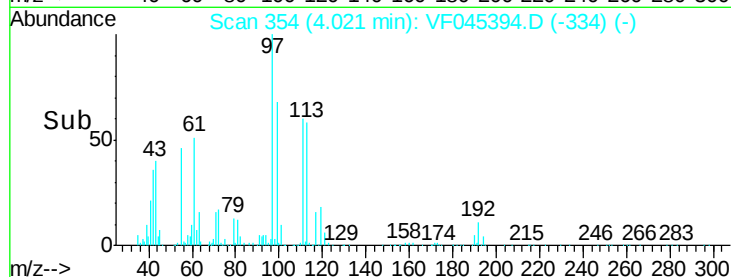
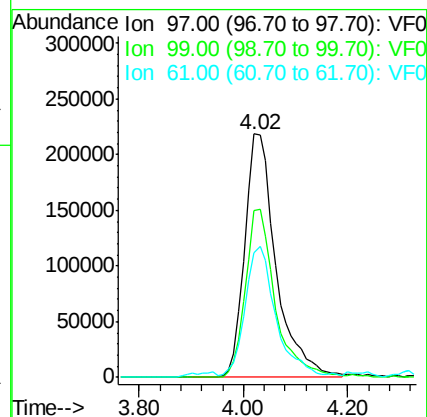
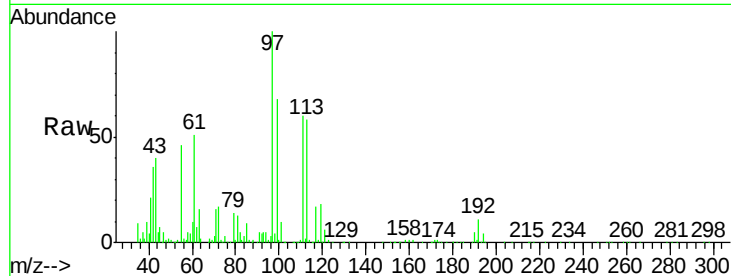
61 51.3 37.8 56.6

Manual Integrations

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#32

1,2-Dichloroethane-d4

Concen: 44.51 ug/l

RT: 4.77 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF045394.D

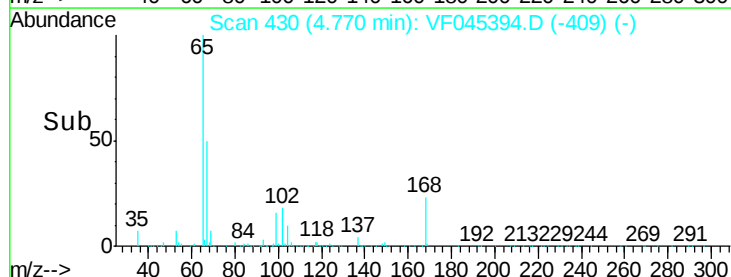
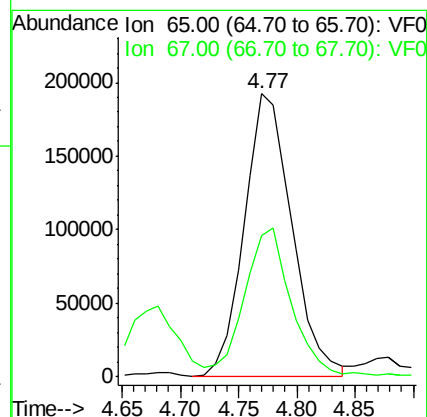
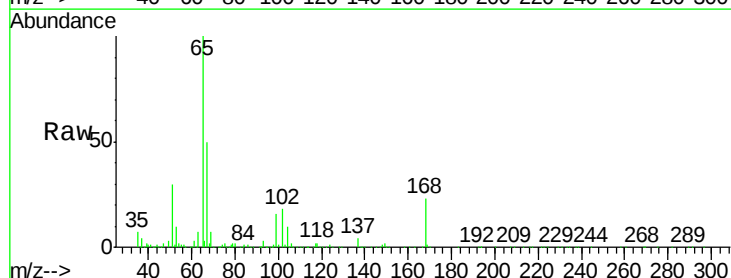
Acq: 16 Sep 2015 16:34

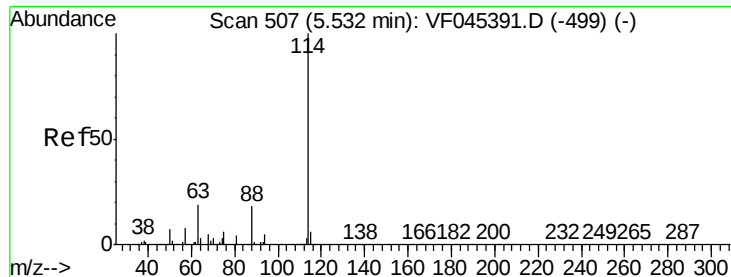
Tgt Ion: 65 Resp: 540770

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.2





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.54 min Scan# 508

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

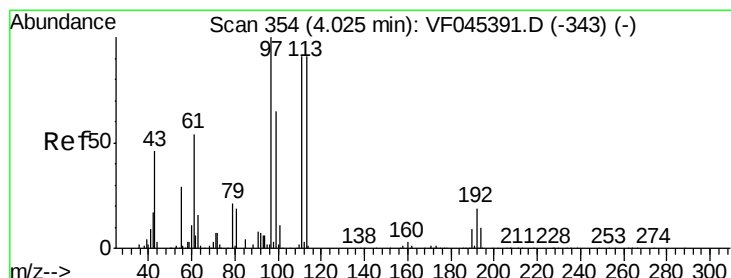
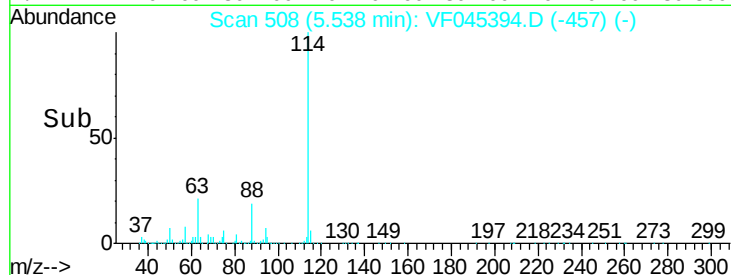
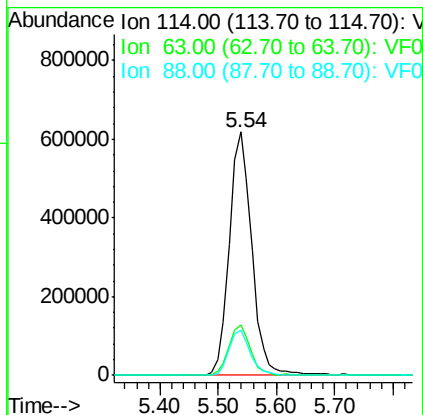
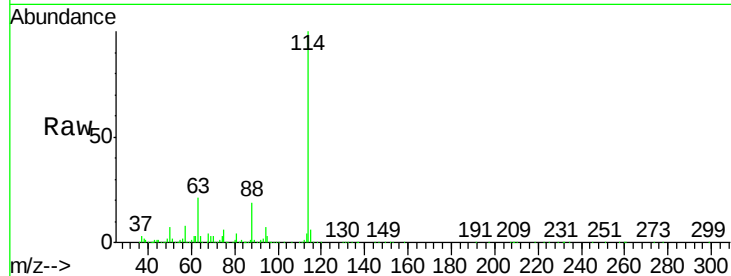
ClientSampleId :

ICVVF091615

Tot Ion:	114	Resp:	1660888
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.2
88	18.7	0.0	37.0

Manual Integrations
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#34

Dibromofluoromethane

Concen: 46.09 ug/l

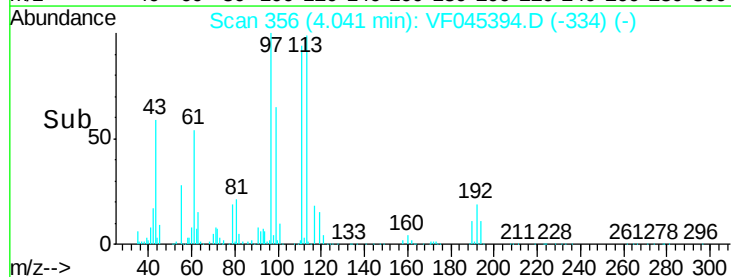
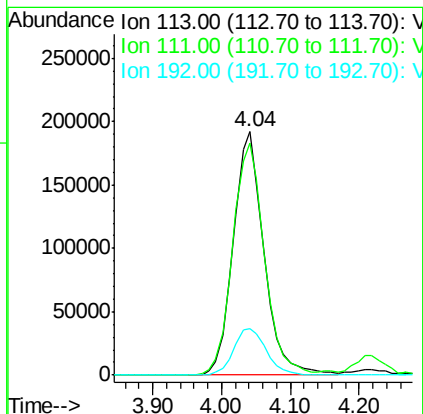
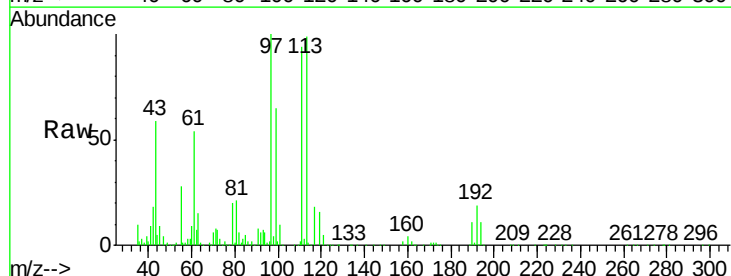
RT: 4.04 min Scan# 356

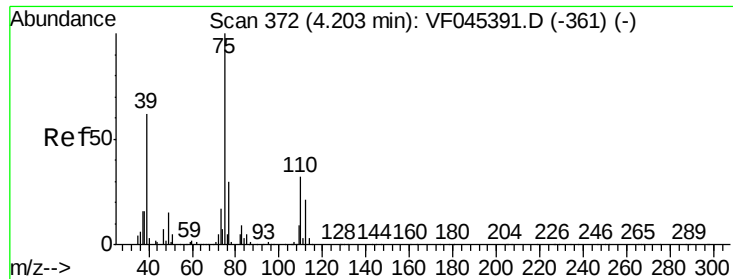
Delta R.T. 0.02 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	113	Resp:	592992
Ion	Ratio	Lower	Upper
113	100		
111	95.3	75.5	113.3
192	19.1	15.6	23.4





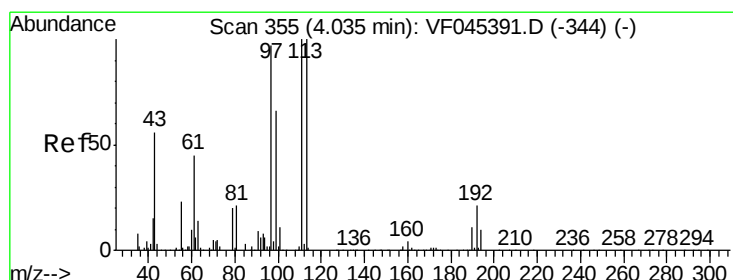
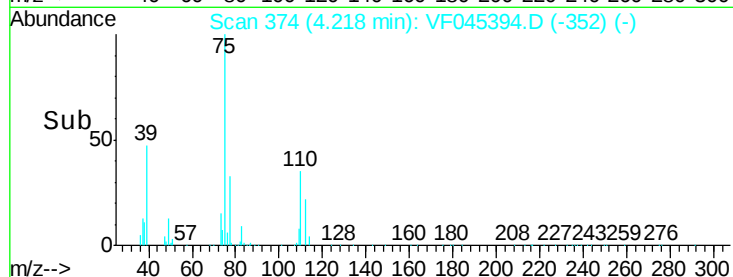
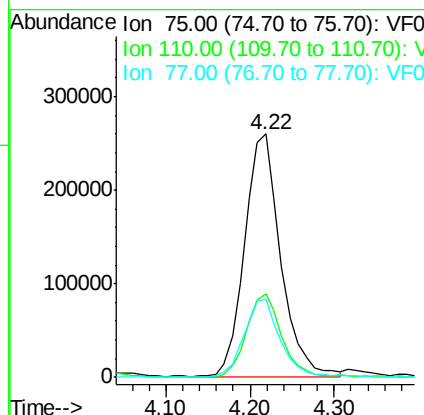
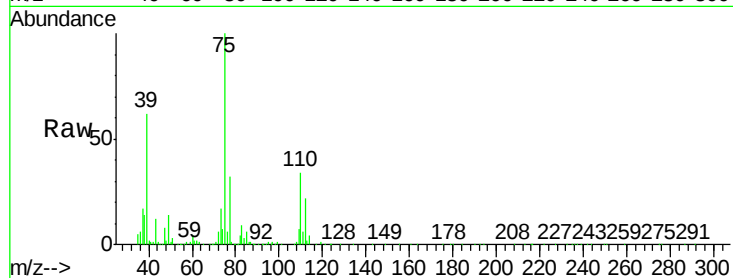
#35
 1,1-Dichloropropene
 Concen: 49.13 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. 0.02 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.3	15.9	47.6
77	32.0	24.2	36.4

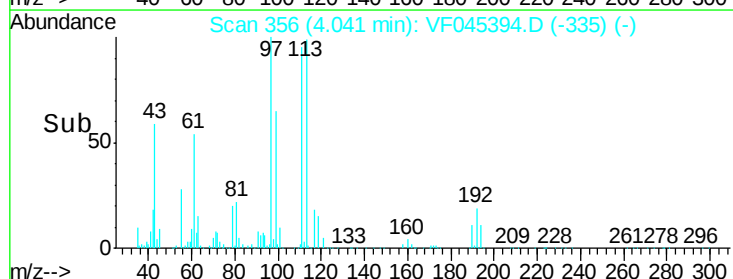
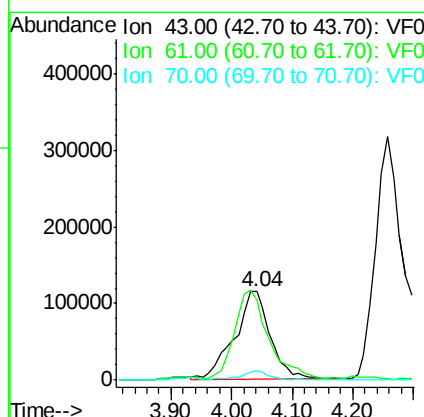
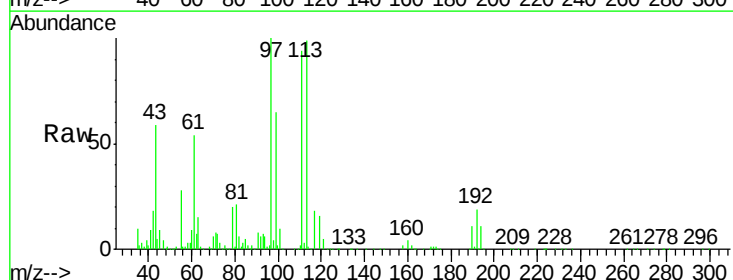
Manual Integrations
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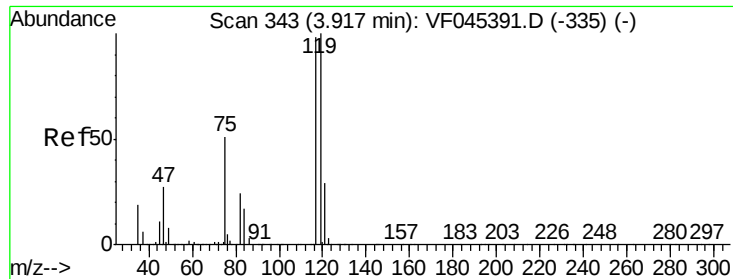
MMDadoda
 9/17/2015 12:51:05 PM



#36
 Ethyl Acetate
 Concen: 58.80 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	90.6	49.4	74.0#
70	10.0	10.8	16.2#





#37

Carbon Tetrachloride

Concen: 52.22 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

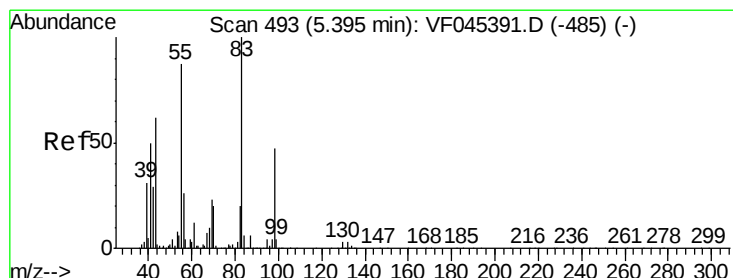
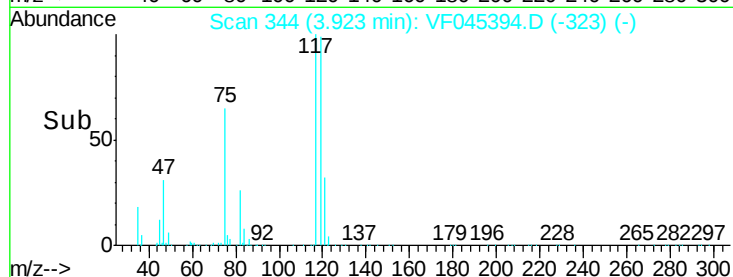
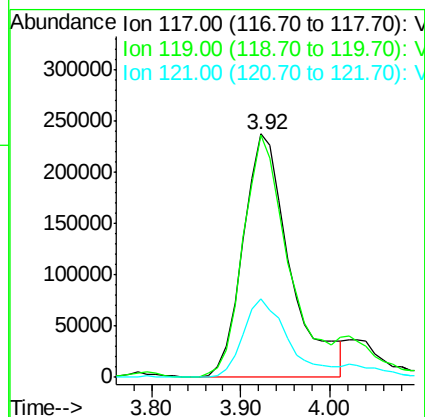
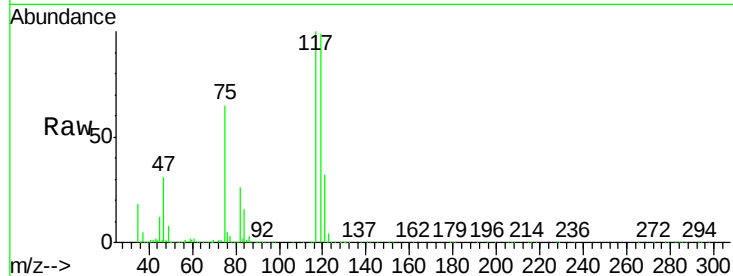
ClientSampleId :

ICVVF091615

Tot Ion:	117	Resp:	866764
Ion Ratio	Lower	Upper	
117	100		
119	99.3	77.8	116.8
121	32.4	25.4	38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 45.65 ug/l

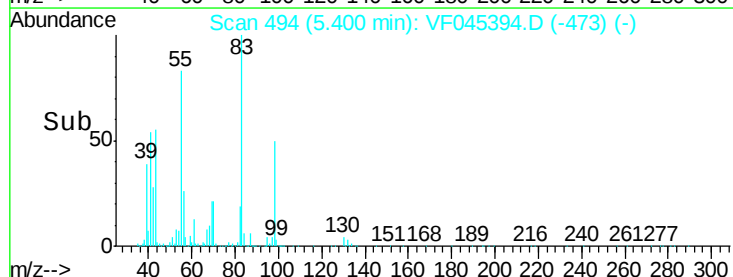
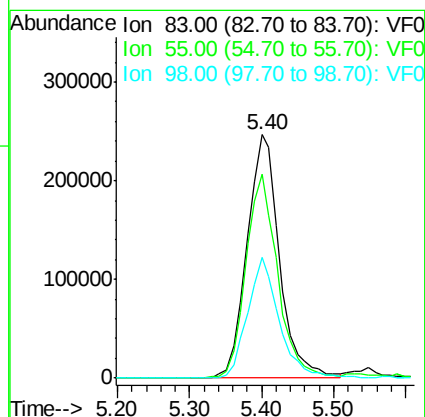
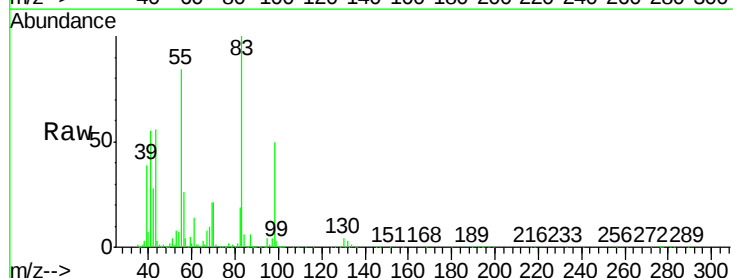
RT: 5.40 min Scan# 494

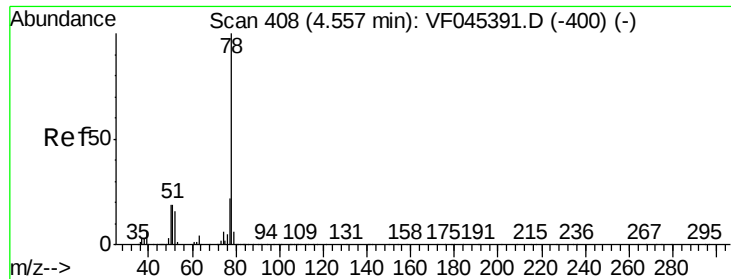
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	83	Resp:	773155
Ion Ratio	Lower	Upper	
83	100		
55	83.5	60.5	90.7
98	49.8	38.1	57.1





#39

Benzene

Concen: 52.88 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 78 Resp: 1948133

Ion Ratio Lower Upper

78 100

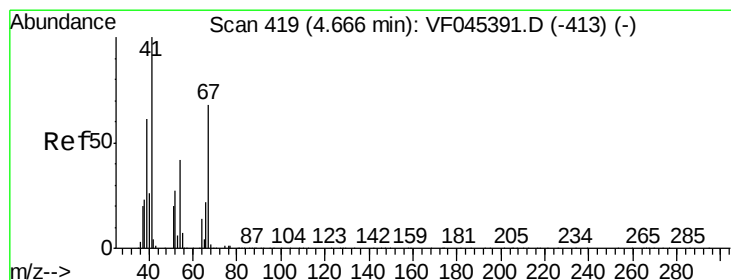
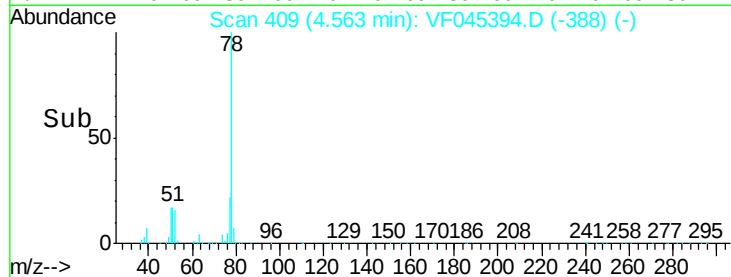
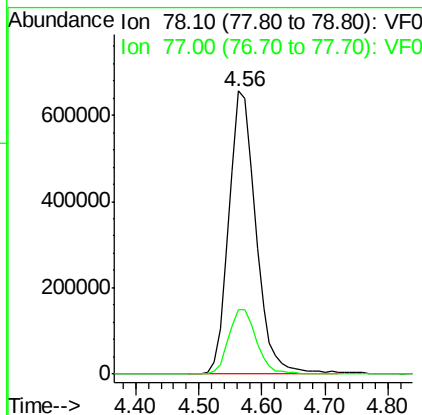
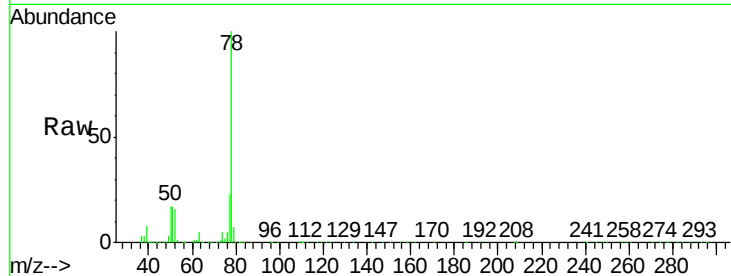
77 22.6 18.6 28.0

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#40

Methacrylonitrile

Concen: 57.55 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 41 Resp: 217170

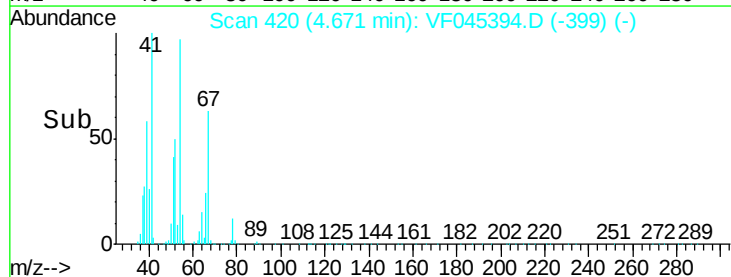
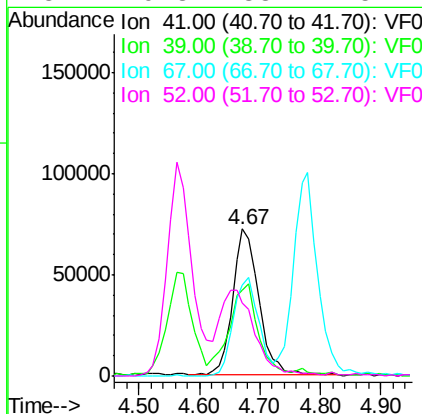
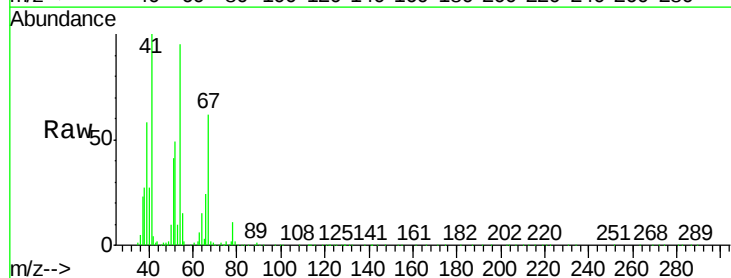
Ion Ratio Lower Upper

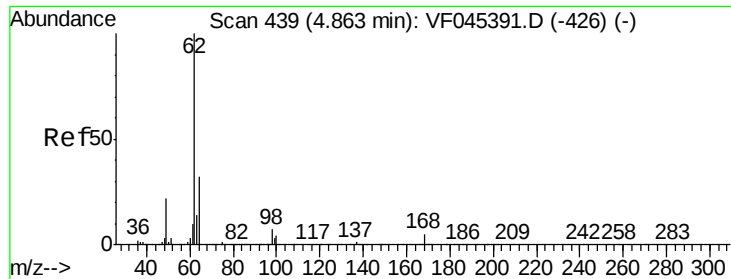
41 100

39 57.9 44.9 67.3

67 61.8 49.0 73.4

52 49.3 38.2 57.2





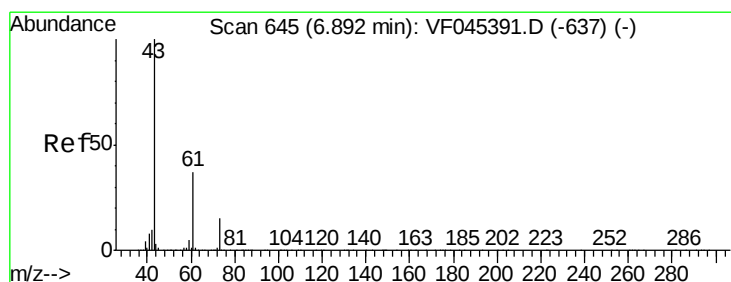
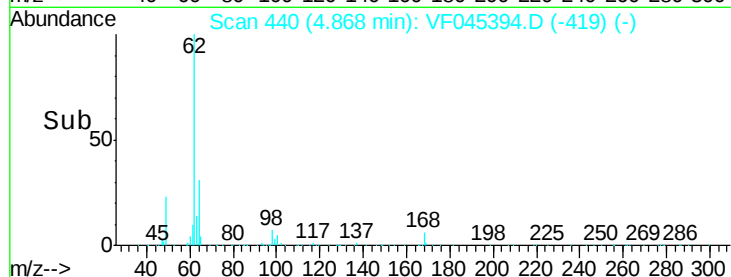
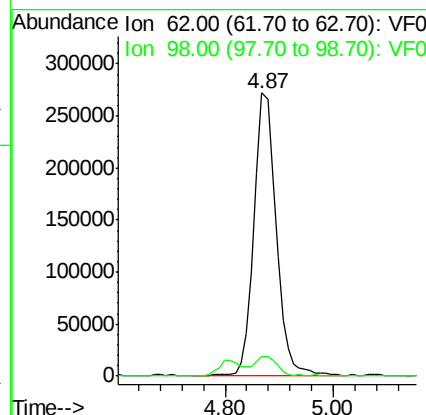
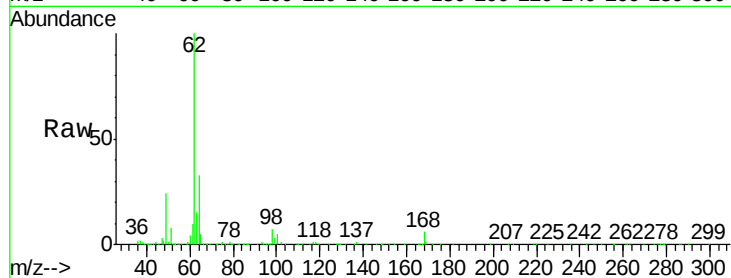
#41
 1,2-Dichloroethane
 Concen: 52.67 ug/l
 RT: 4.87 min Scan# 440
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

Tot Ion	Ratio	Resp	Lower	Upper
62	100	782703		
98	7.1	0.0	17.0	

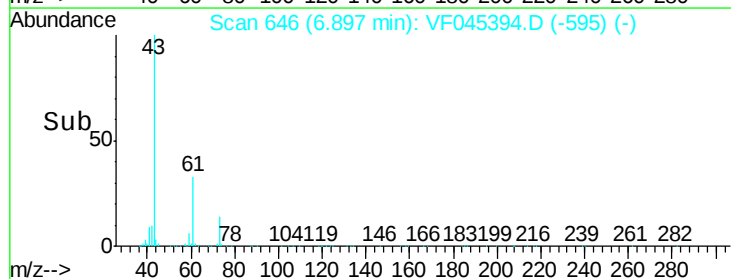
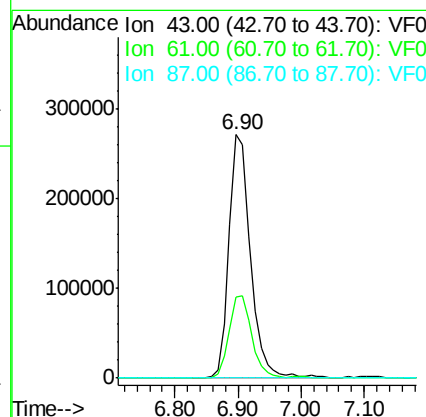
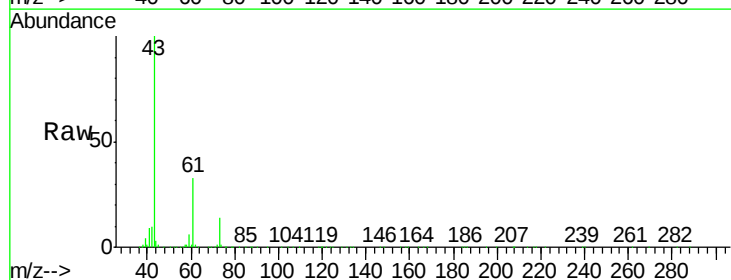
Manual Integrations
 APPROVED

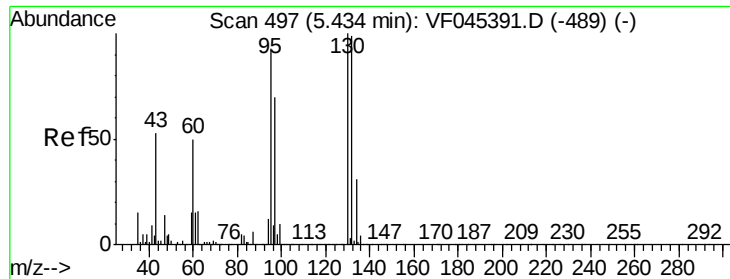
MMDadoda
 9/17/2015 12:51:05 PM



#42
 Isopropyl Acetate
 Concen: 60.92 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	639971		
61	33.3	29.8	44.6	
87	0.4	0.2	0.2#	





#43

Trichloroethene

Concen: 47.34 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion:130 Resp: 595596

Ion Ratio Lower Upper

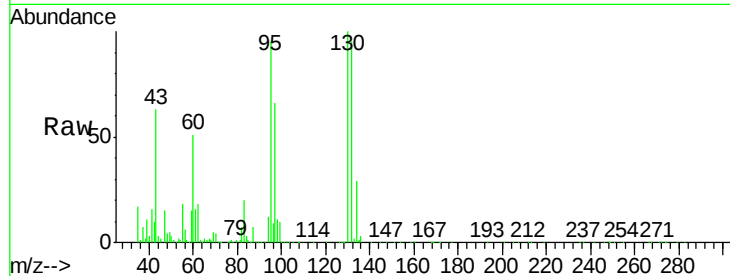
130 100

95 95.2 0.0 192.2

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

250000

200000

150000

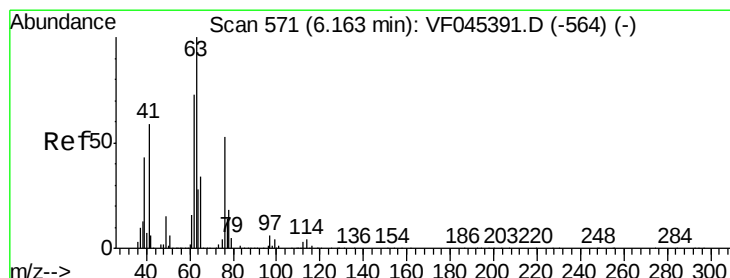
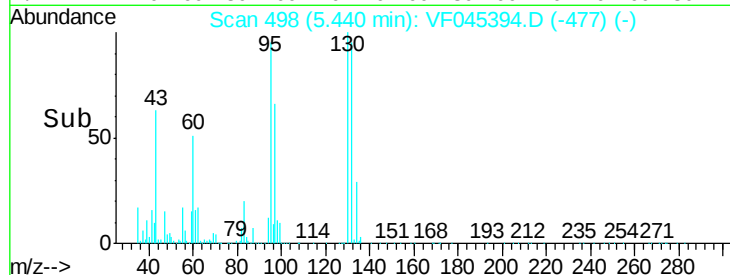
100000

50000

0

5.30 5.40 5.50 5.60

Time-->



#44

1,2-Dichloropropane

Concen: 53.39 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045394.D

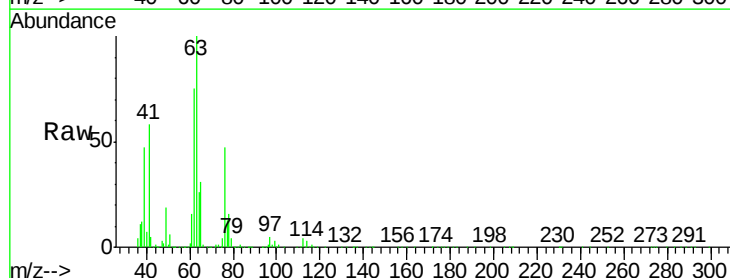
Acq: 16 Sep 2015 16:34

Tgt Ion: 63 Resp: 572980

Ion Ratio Lower Upper

63 100

65 31.1 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

250000

200000

150000

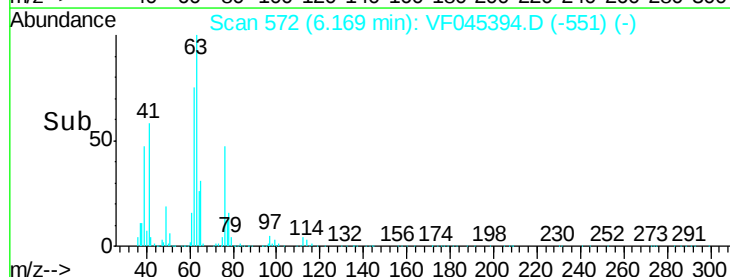
100000

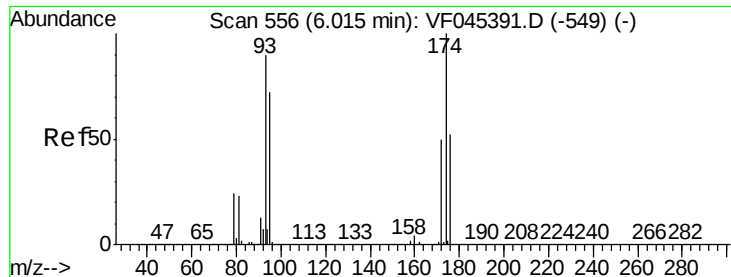
50000

0

6.00 6.10 6.20 6.30

Time-->





#45

Dibromomethane

Concen: 55.48 ug/l

RT: 6.02 min Scan# 557

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

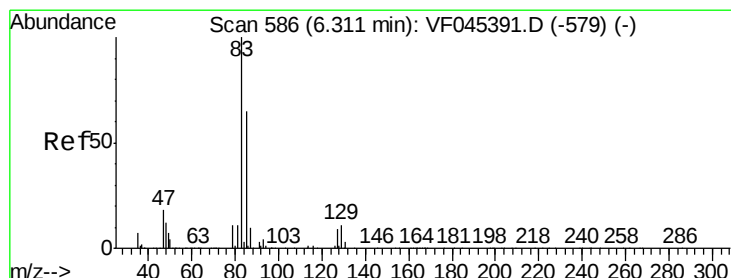
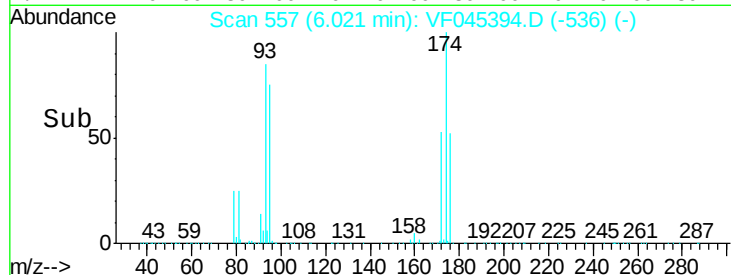
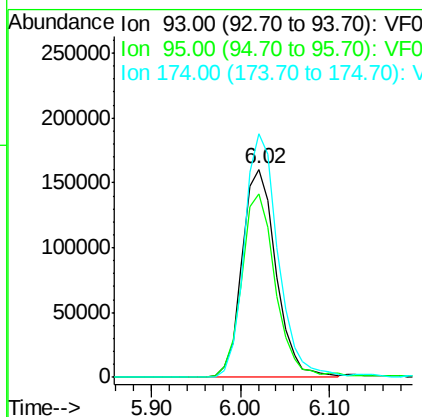
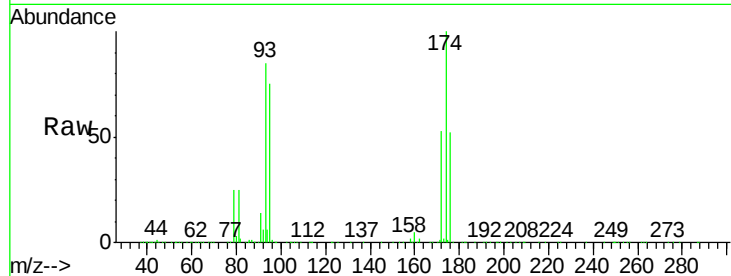
ClientSampleId :

ICVVF091615

Tot Ion:	93	Resp:	423735
Ion	Ratio	Lower	Upper
93	100		
95	88.3	69.8	104.6
174	117.0	90.5	135.7

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#46

Bromodichloromethane

Concen: 51.95 ug/l

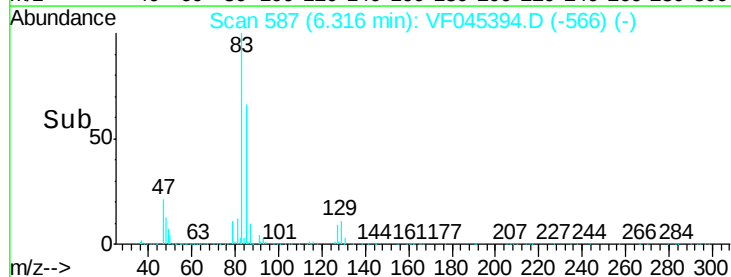
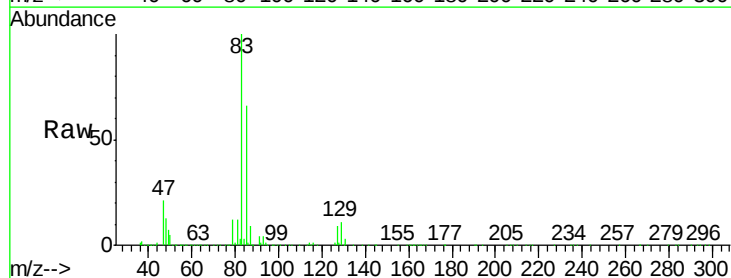
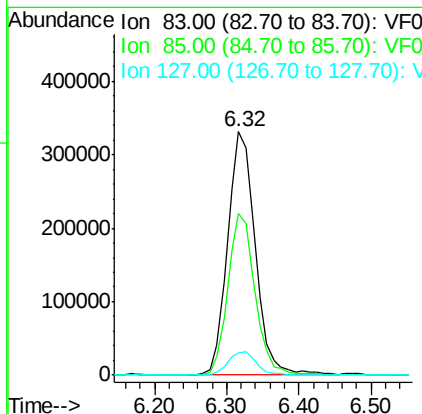
RT: 6.32 min Scan# 587

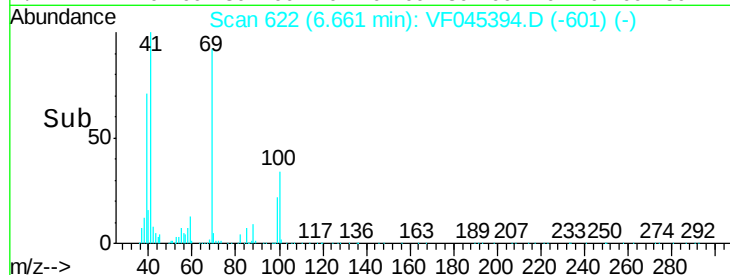
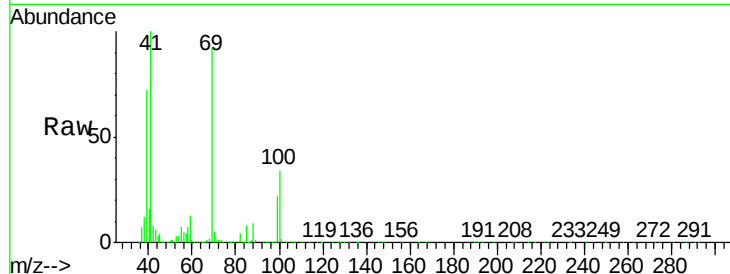
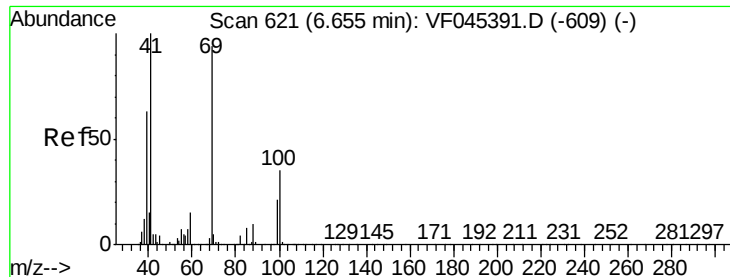
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	83	Resp:	888378
Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.6	75.8
127	9.1	7.7	11.5





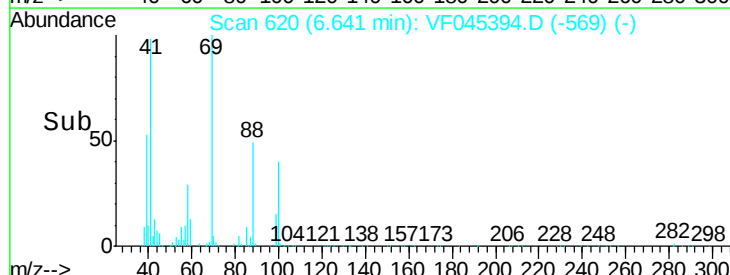
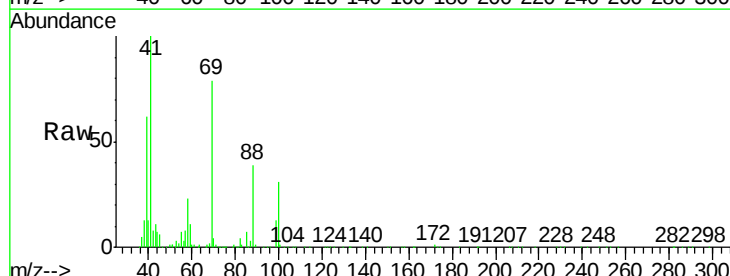
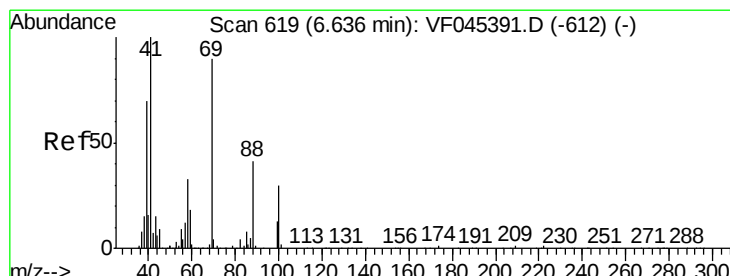
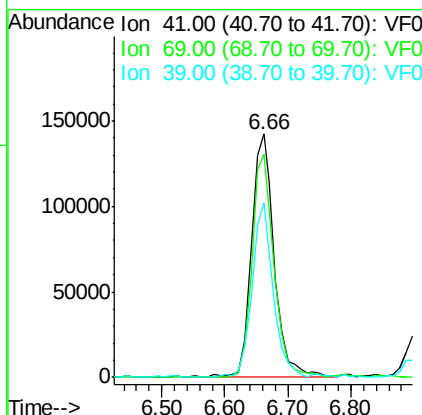
#47
Methvl methacrvlate
Concen: 55.66 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tot Ion	Ratio	Resp	Lower	Upper
41	100	354881		
69	91.8	63.3	94.9	
39	71.6	48.9	73.3	

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

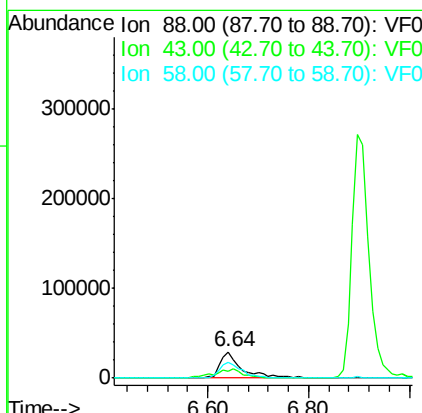
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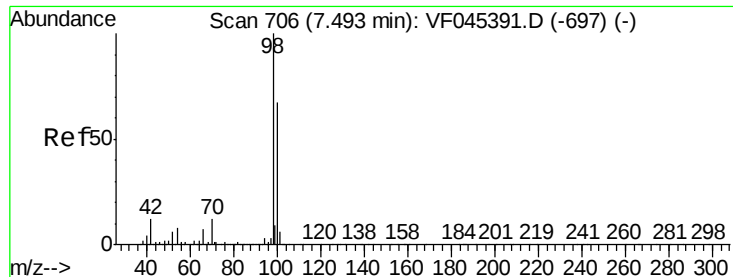
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#48
1,4-Dioxane
Concen: 1160.62 ug/l
RT: 6.64 min Scan# 620
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	88641		
43	28.4	34.5	51.7#	
58	58.6	46.5	69.7	





#49

Toluene-d8

Concen: 46.41 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 98 Resp: 1759115

Ion Ratio Lower Upper

98 100

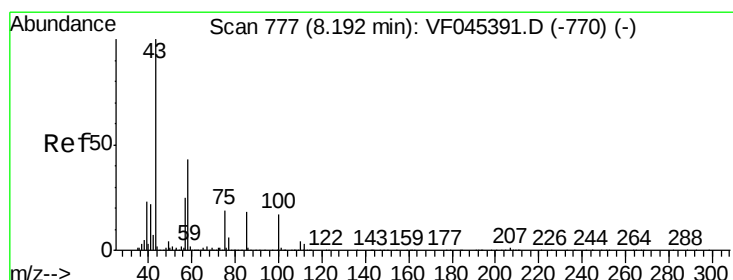
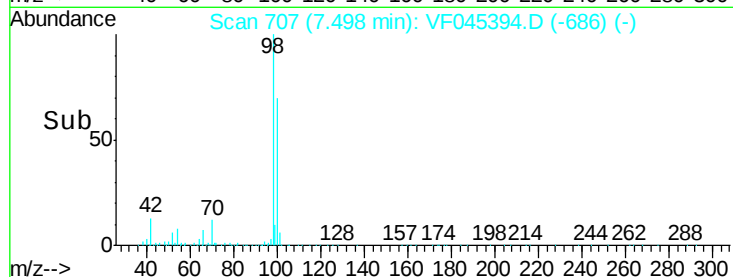
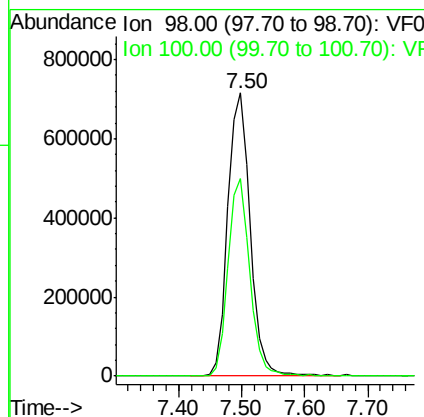
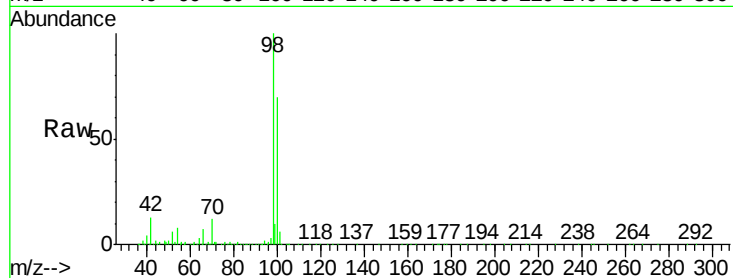
100 70.0 54.4 81.6

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#50

4-Methyl-2-Pentanone

Concen: 297.69 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF045394.D

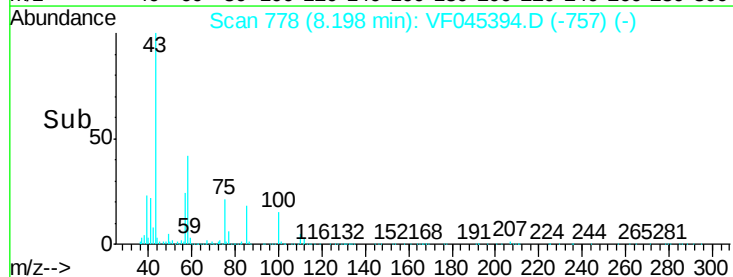
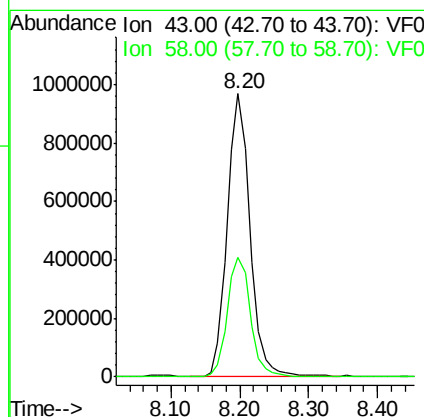
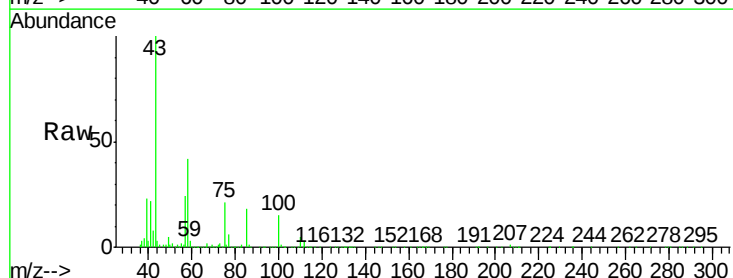
Acq: 16 Sep 2015 16:34

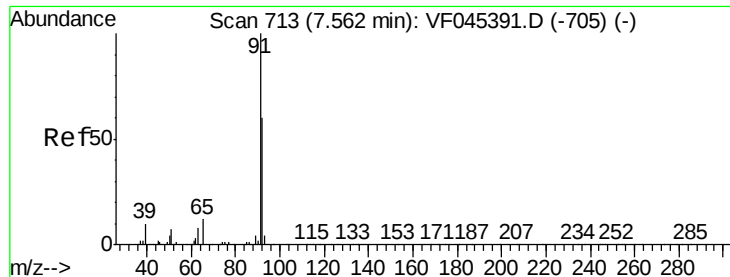
Tgt Ion: 43 Resp: 2223544

Ion Ratio Lower Upper

43 100

58 42.3 33.6 50.4





#51

Toluene

Concen: 51.65 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 92 Resp: 1466041

Ion Ratio Lower Upper

92 100

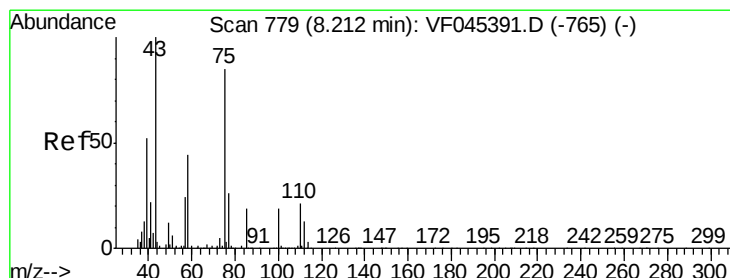
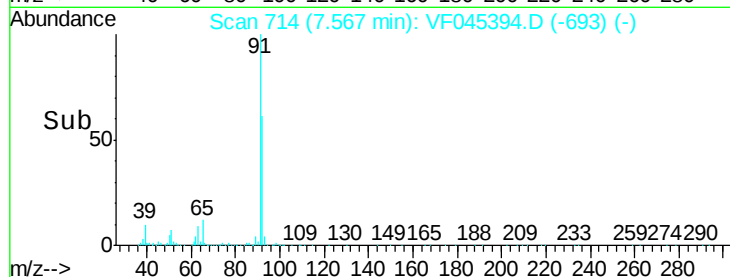
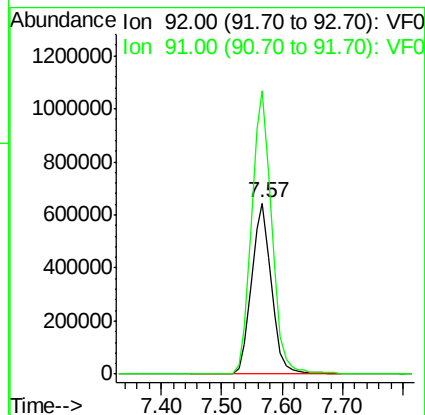
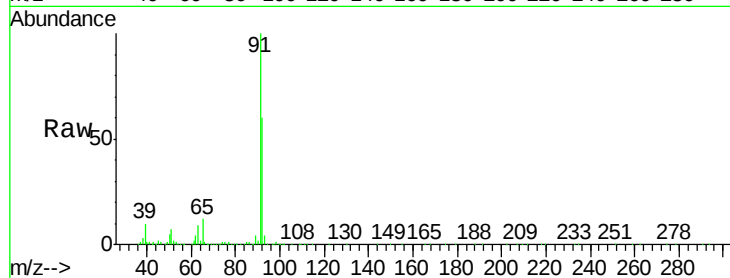
91 165.3 133.4 200.0

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#52

t-1,3-Dichloropropene

Concen: 54.88 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF045394.D

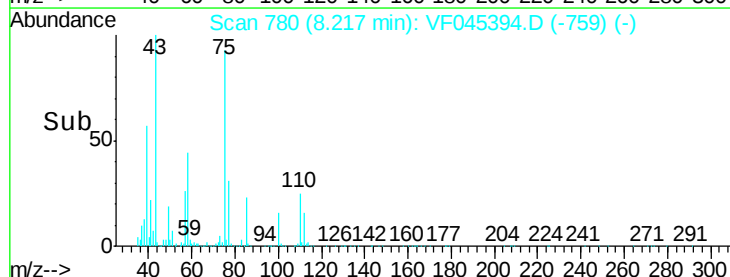
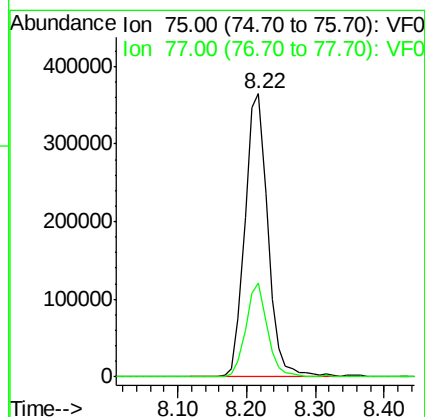
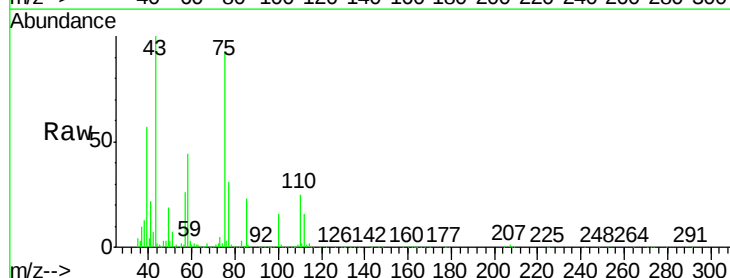
Acq: 16 Sep 2015 16:34

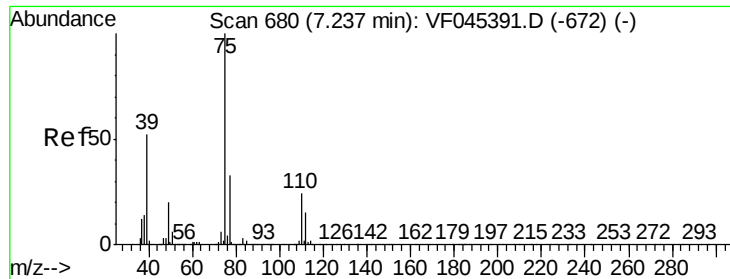
Tgt Ion: 75 Resp: 843544

Ion Ratio Lower Upper

75 100

77 33.0 28.1 42.1





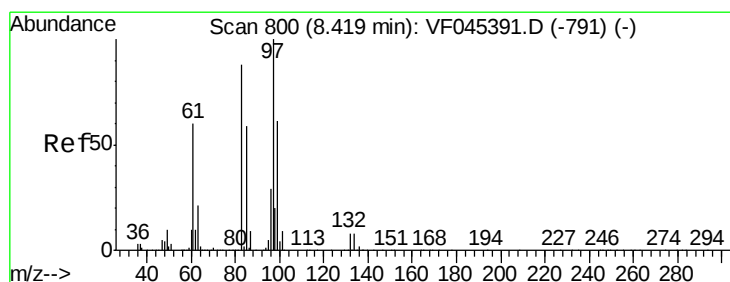
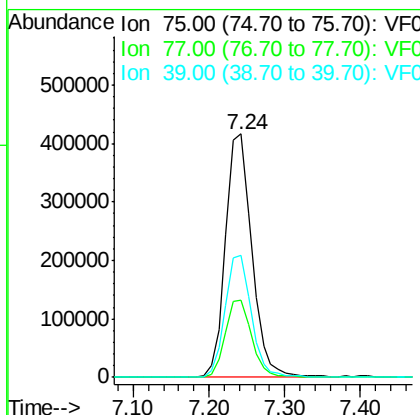
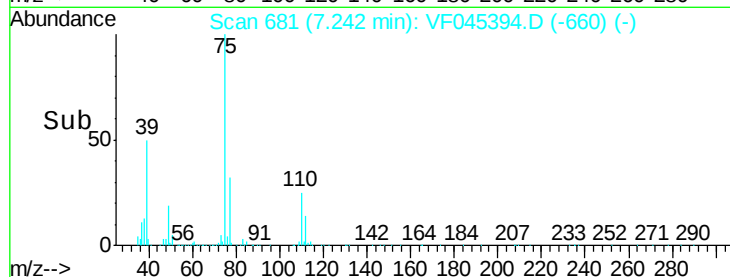
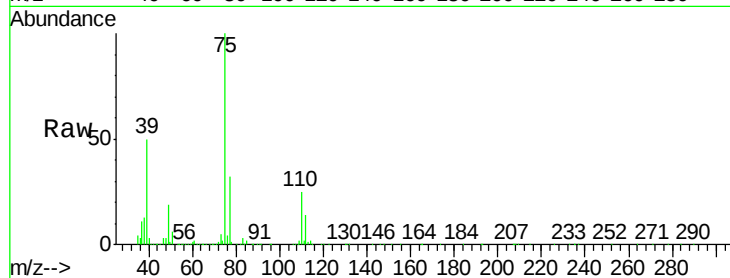
#53
 cis-1,3-Dichloropropene
 Concen: 55.53 ug/l
 RT: 7.24 min Scan# 681
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	50.2	41.6	62.4

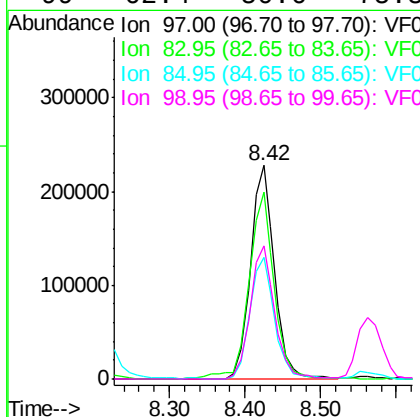
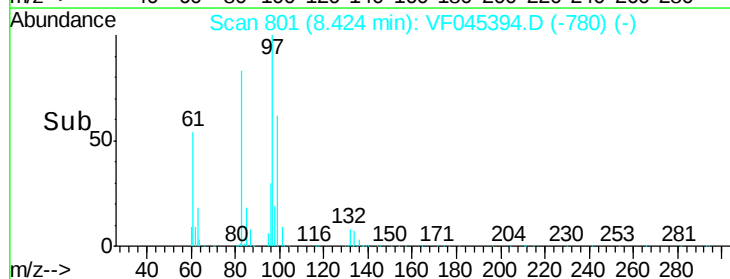
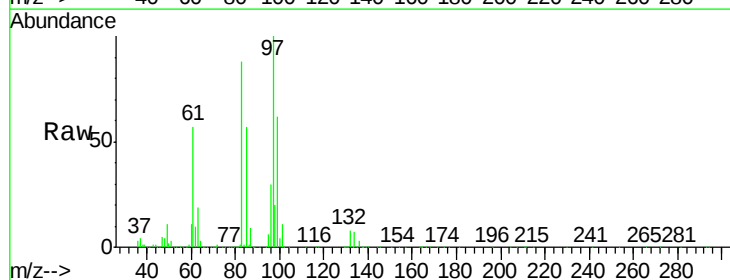
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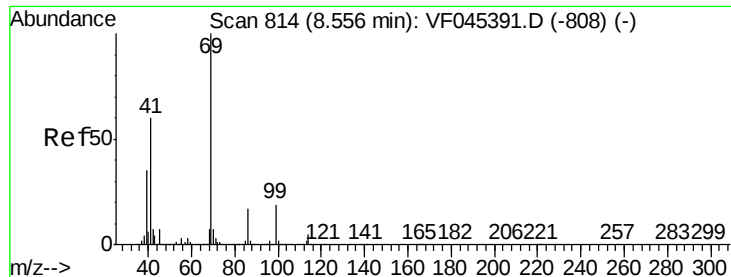
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#54
 1,1,2-Trichloroethane
 Concen: 52.05 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.1	105.1
85	56.9	47.4	71.2
99	62.4	50.6	75.8





#55

Ethyl methacrylate

Concen: 56.89 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

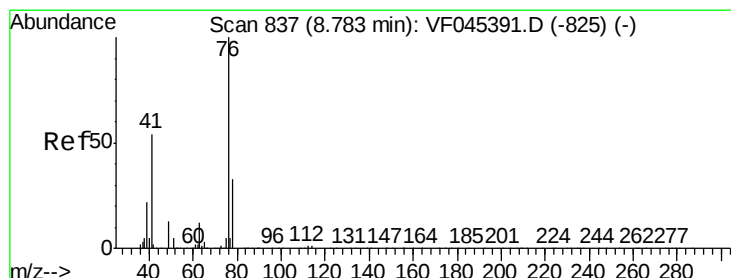
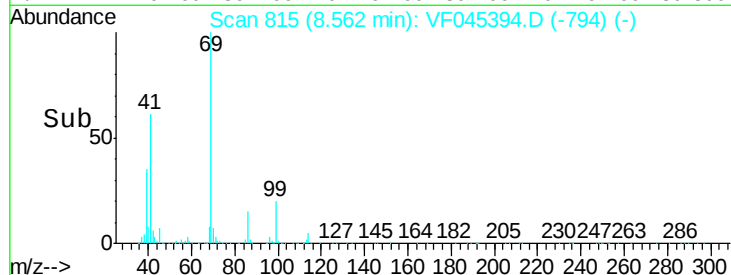
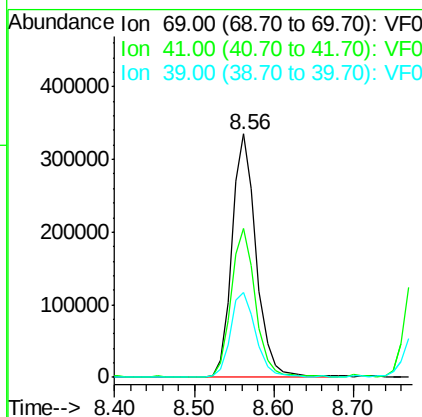
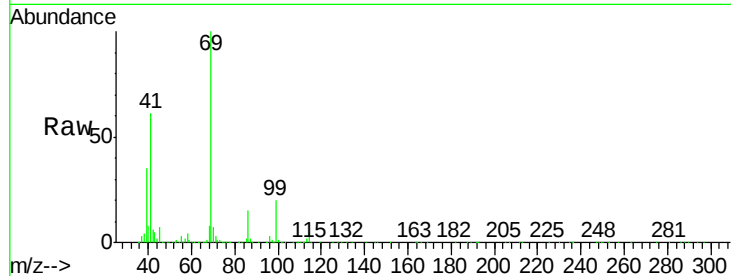
ClientSampleId :

ICVVF091615

Tot Ion:	69	Resp:	710517
Ion	Ratio	Lower	Upper
69	100		
41	61.3	51.0	76.4
39	35.0	29.1	43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 51.59 ug/l

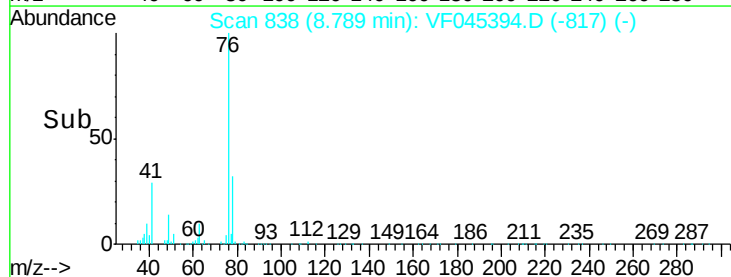
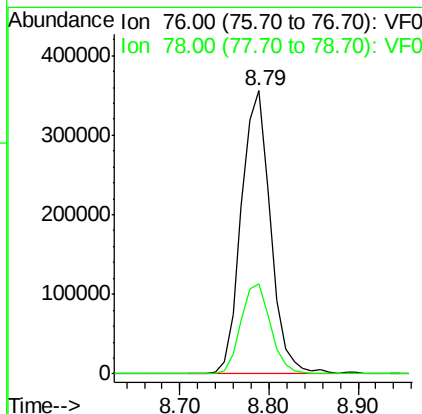
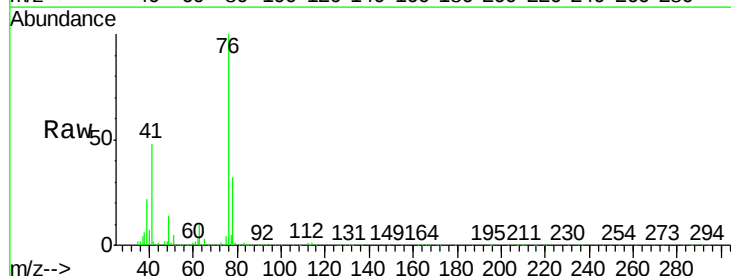
RT: 8.79 min Scan# 838

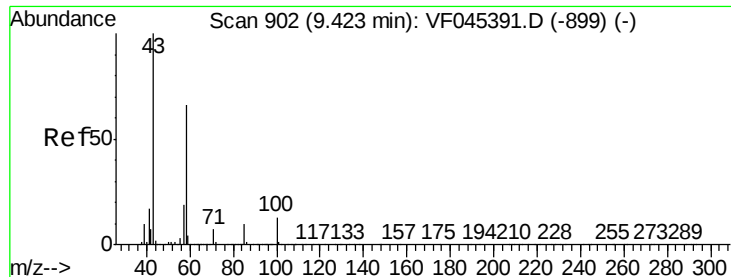
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	76	Resp:	807877
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1





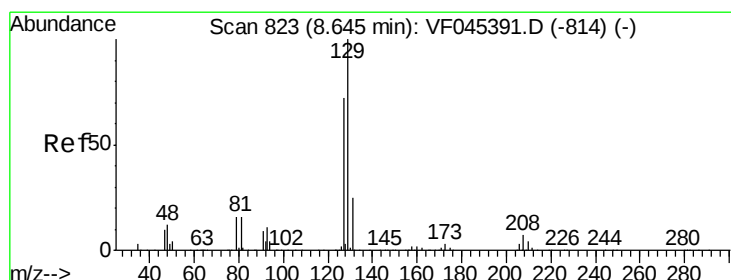
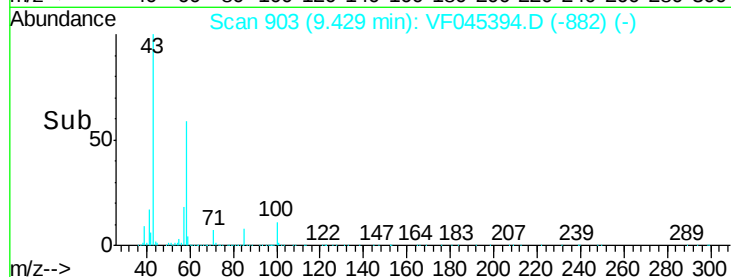
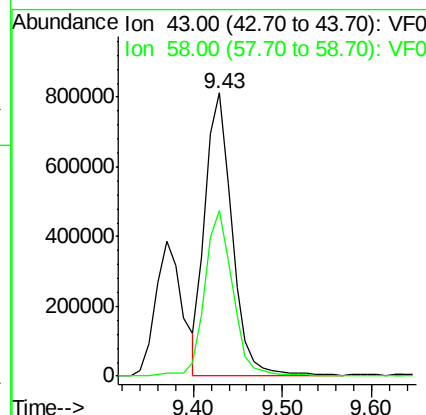
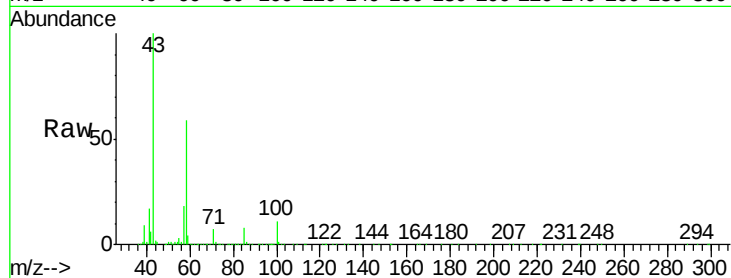
#58
2-Hexanone
Concen: 284.40 ug/l
RT: 9.43 min Scan# 903
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion: 43 Resp: 1690842
Ion Ratio Lower Upper
43 100
58 58.5 28.8 86.5

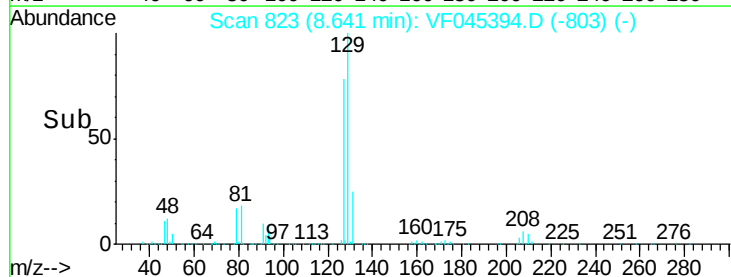
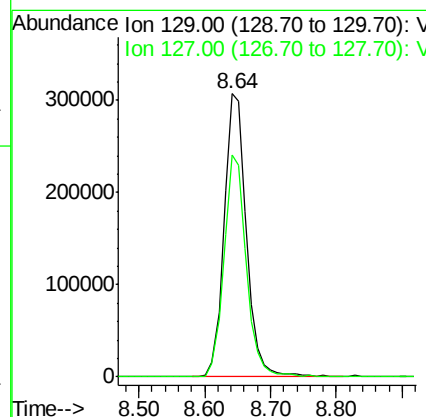
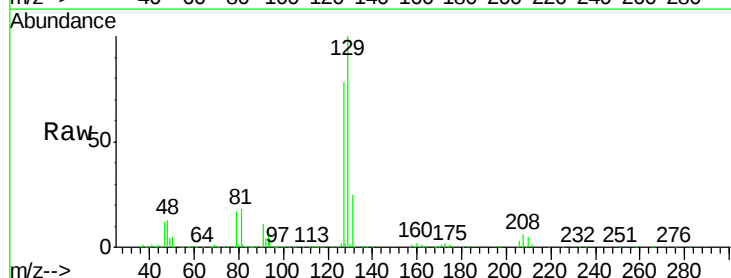
Manual Integrations
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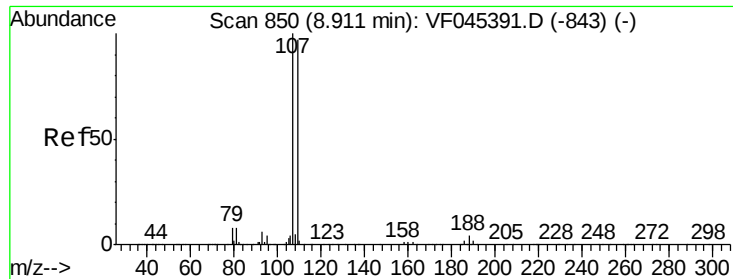
MMDadoda
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#59
Dibromochloromethane
Concen: 53.36 ug/l
RT: 8.64 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion: 129 Resp: 726006
Ion Ratio Lower Upper
129 100
127 78.3 38.2 114.6





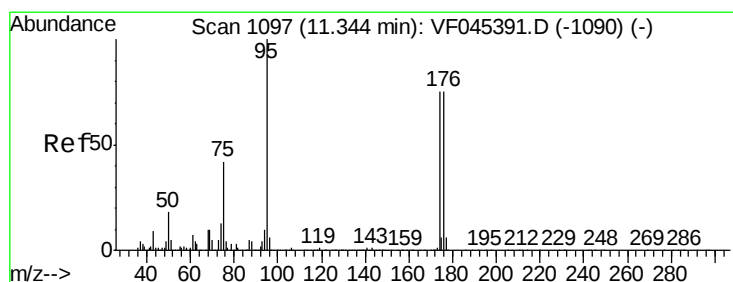
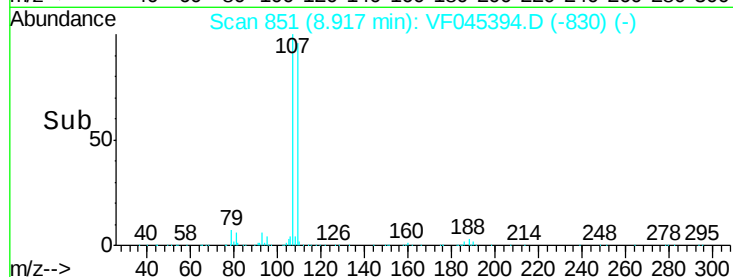
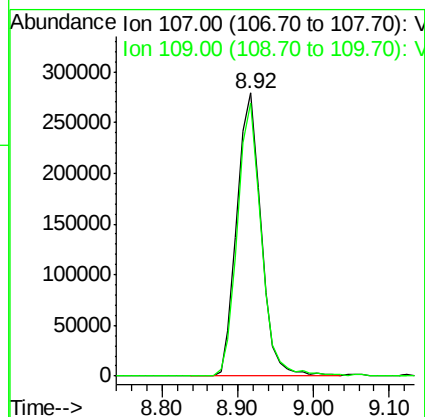
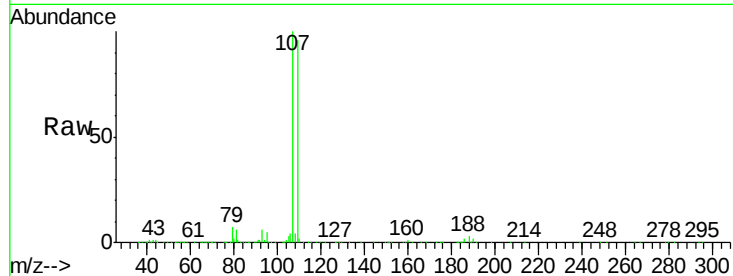
#60
 1,2-Dibromoethane
 Concen: 56.68 ug/l
 RT: 8.92 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF091615

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	79.4	119.0

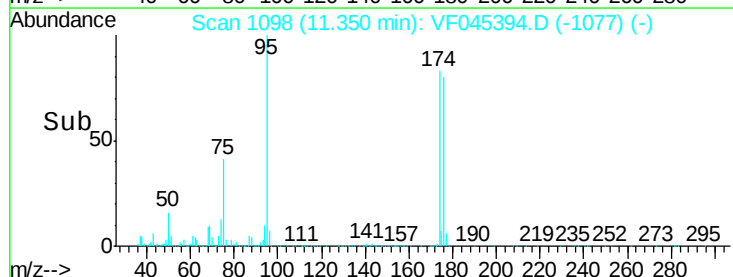
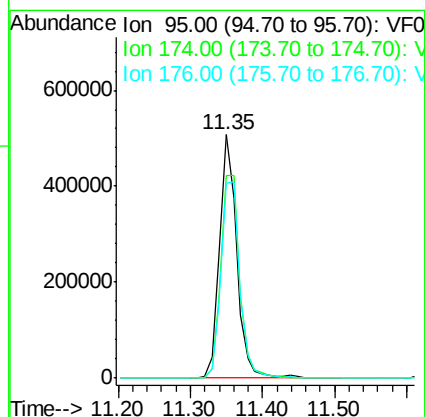
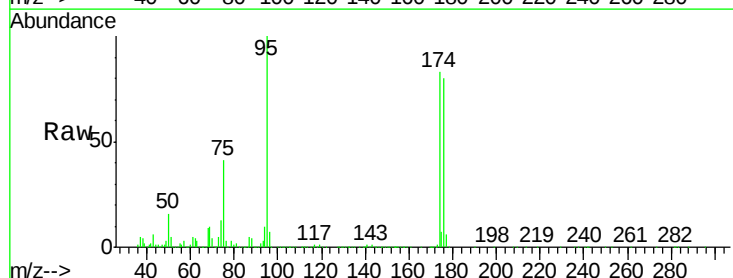
Manual Integrations
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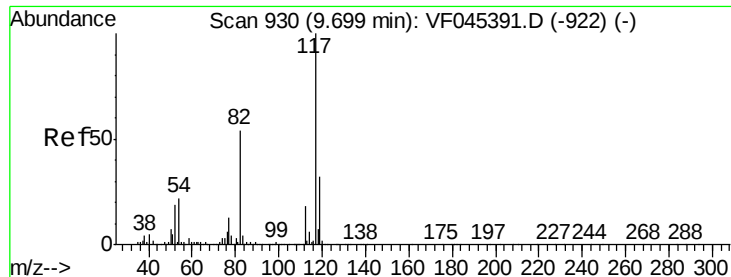
MMDadoda
 9/17/2015 12:51:05 PM



#61
 4-Bromofluorobenzene
 Concen: 45.33 ug/l
 RT: 11.35 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	177.8
176	80.1	0.0	176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.70 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

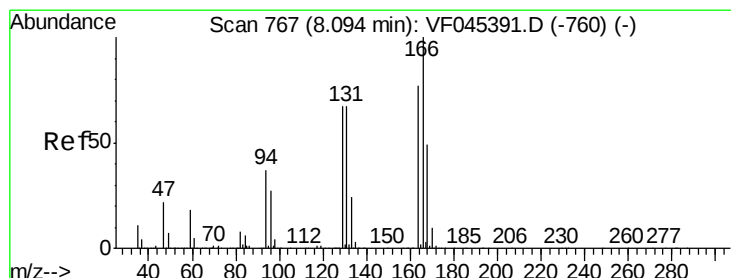
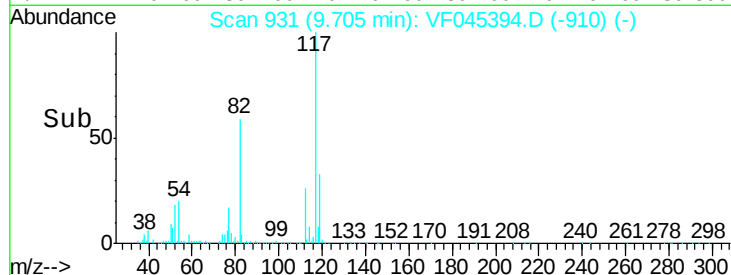
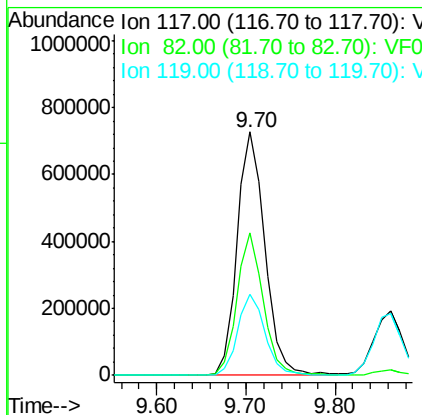
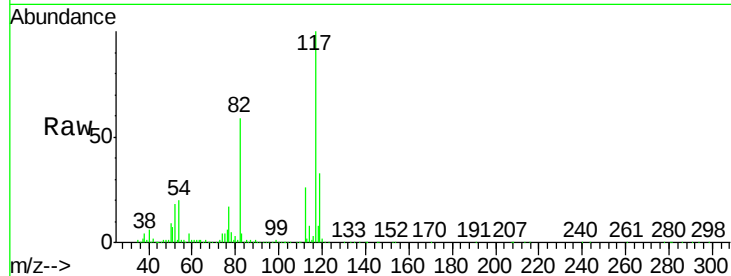
ClientSampleId :

ICVVF091615

Tot Ion:	117	Resp:	1575428
Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.0	67.6
119	33.1	26.2	39.4

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#63

Tetrachloroethene

Concen: 53.01 ug/l

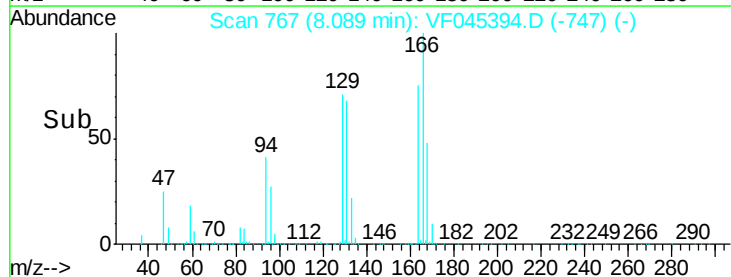
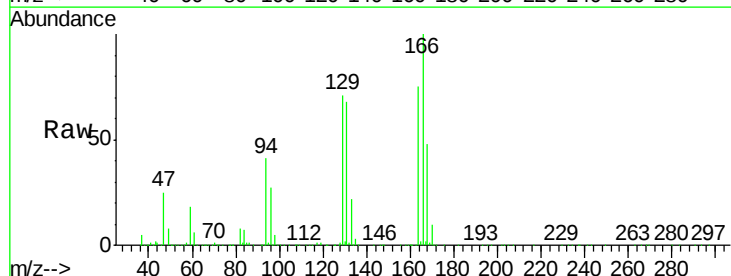
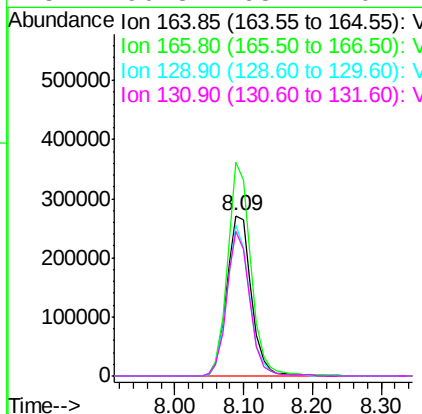
RT: 8.09 min Scan# 767

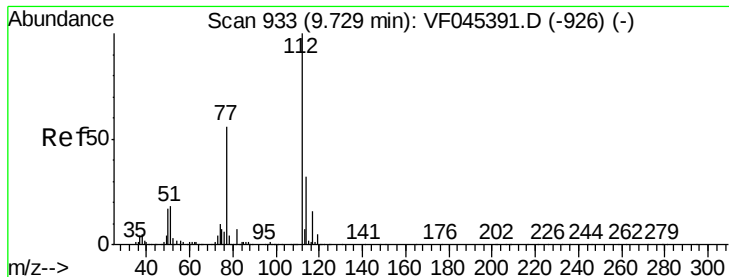
Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	164	Resp:	663522
Ion	Ratio	Lower	Upper
164	100		
166	133.0	106.0	159.0
129	93.9	69.8	104.6
131	90.3	68.2	102.4





#64

Chlorobenzene

Concen: 51.92 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion:112 Resp: 1716246

Ion Ratio Lower Upper

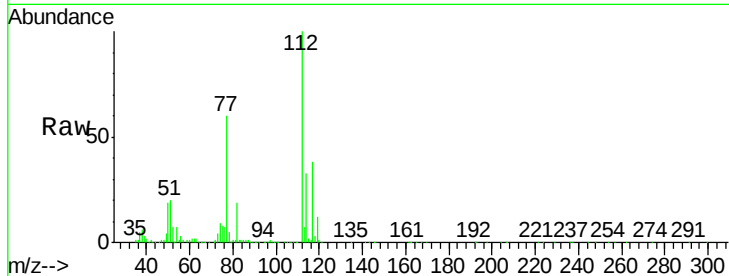
112 100

114 32.6 25.6 38.4

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

800000

600000

400000

200000

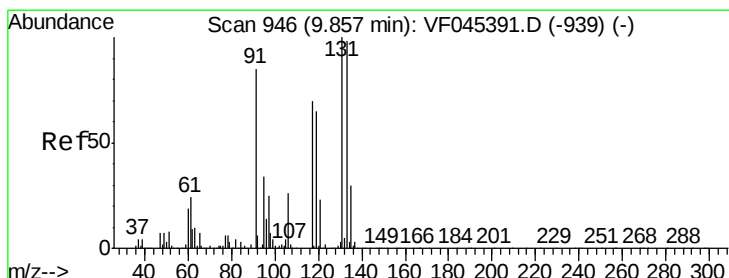
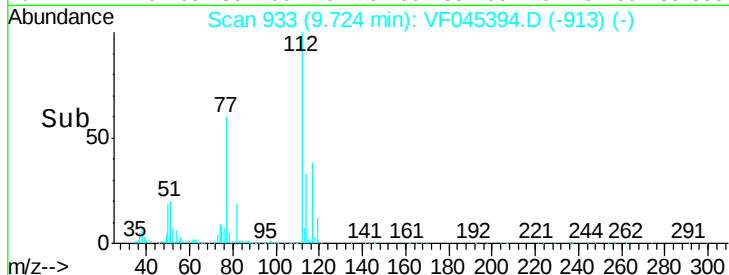
0

9.60

9.72

9.80

Time-->



#65

1,1,1,2-Tetrachloroethane

Concen: 50.47 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

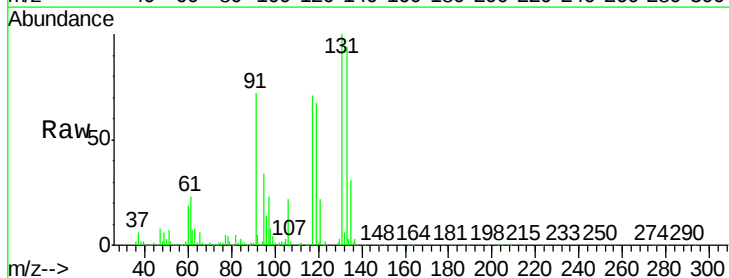
Tgt Ion:131 Resp: 609779

Ion Ratio Lower Upper

131 100

133 94.0 48.1 144.4

119 67.5 34.8 104.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

300000

200000

100000

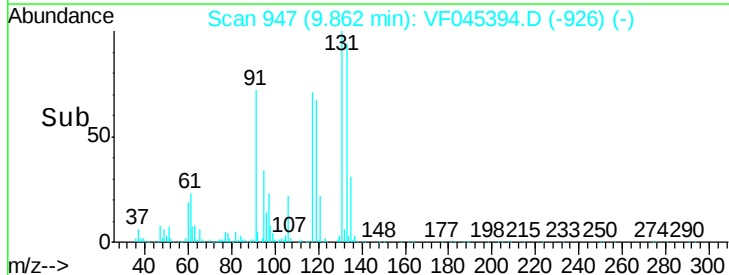
0

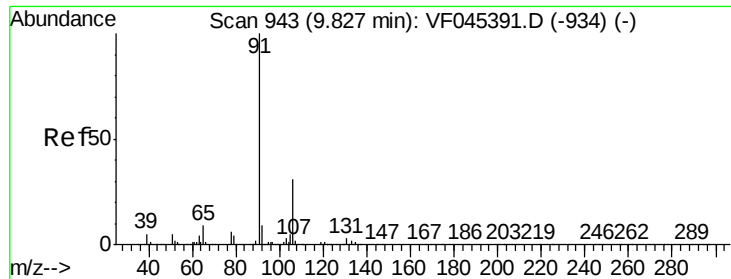
9.80

9.86

10.00

Time-->





#66

Ethyl Benzene

Concen: 48.10 ug/l

RT: 9.83 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 91 Resp: 2754459

Ion Ratio Lower Upper

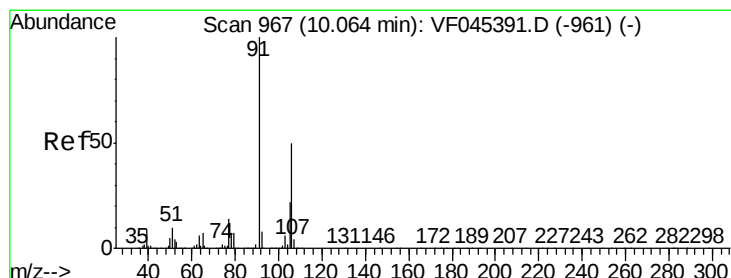
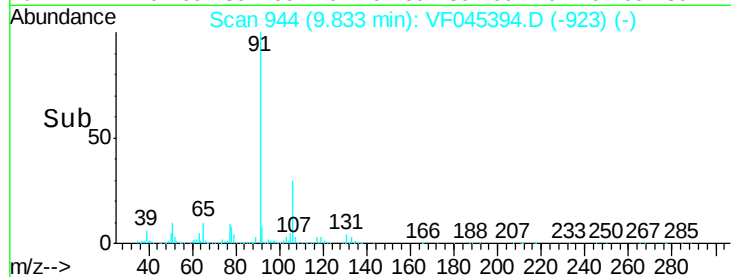
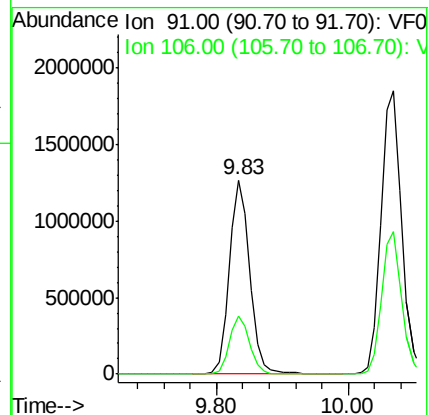
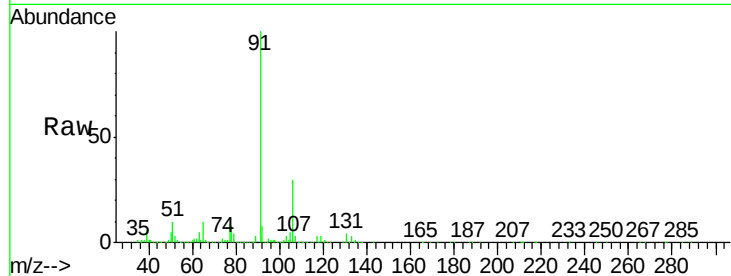
91 100

106 29.9 23.6 35.4

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#67

m/p-Xylenes

Concen: 97.24 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF045394.D

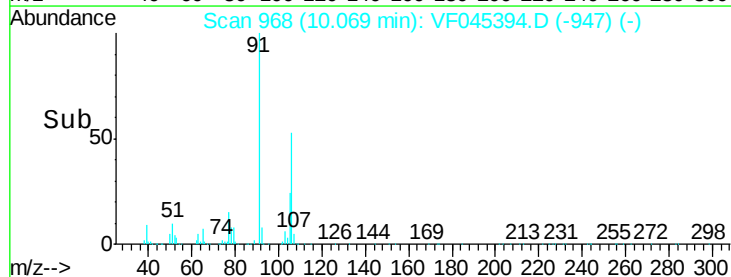
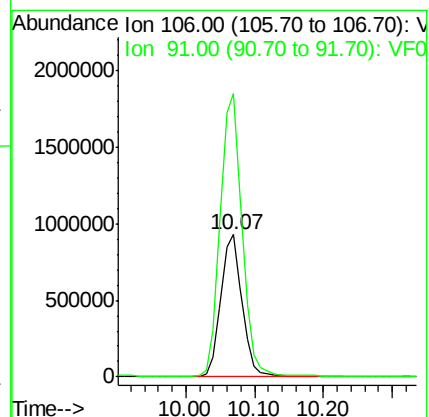
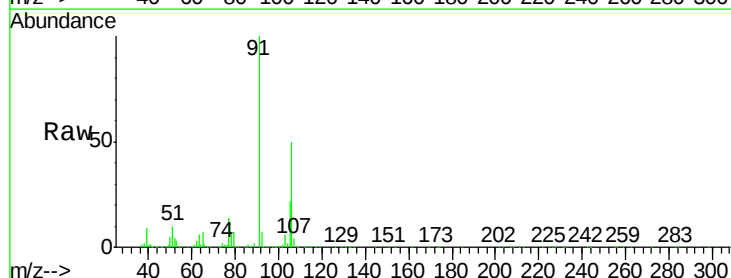
Acq: 16 Sep 2015 16:34

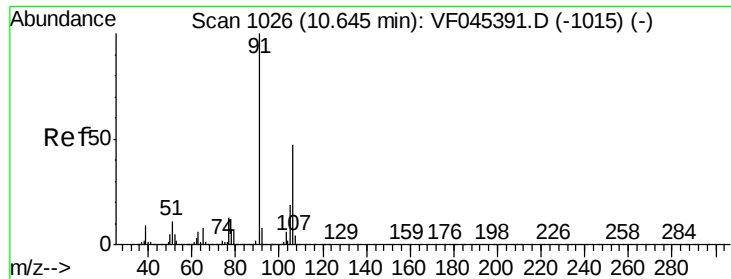
Tgt Ion: 106 Resp: 1995942

Ion Ratio Lower Upper

106 100

91 198.6 166.1 249.1





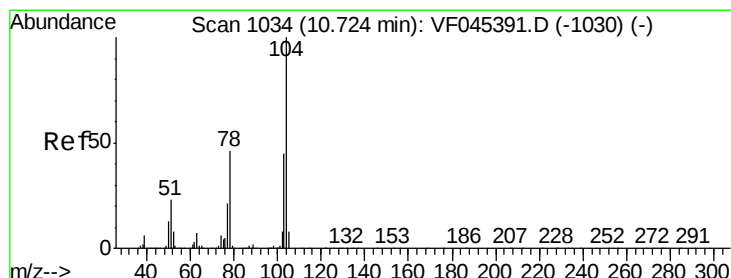
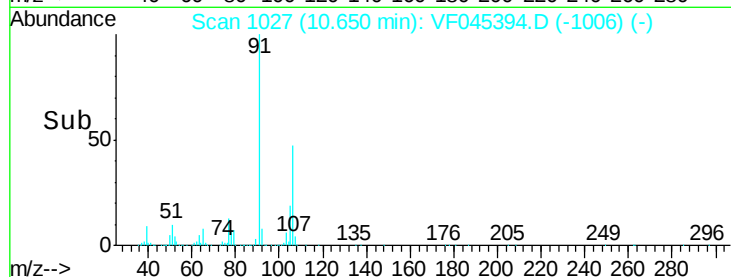
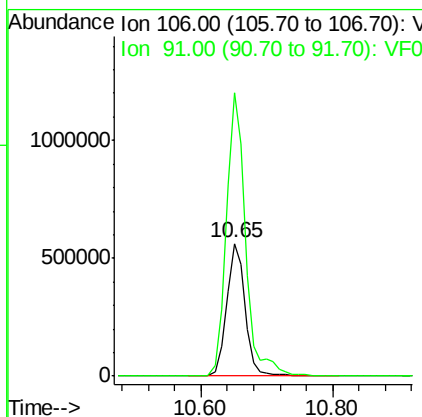
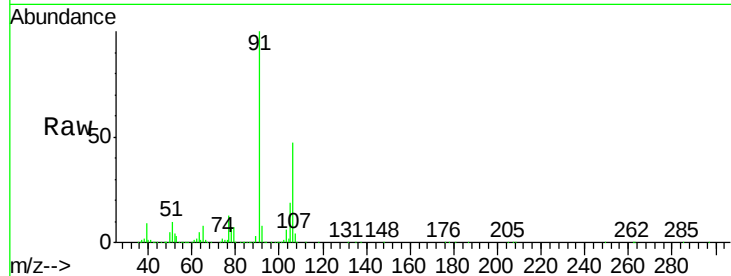
#68
o-Xylene
Concen: 51.72 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion:106 Resp: 1102151
Ion Ratio Lower Upper
106 100
91 213.9 108.1 324.2

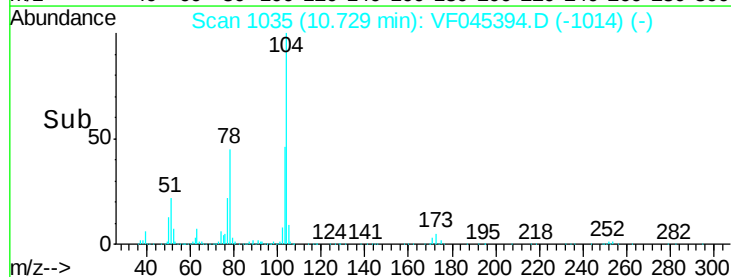
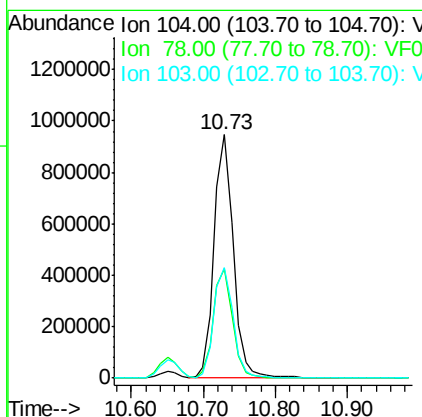
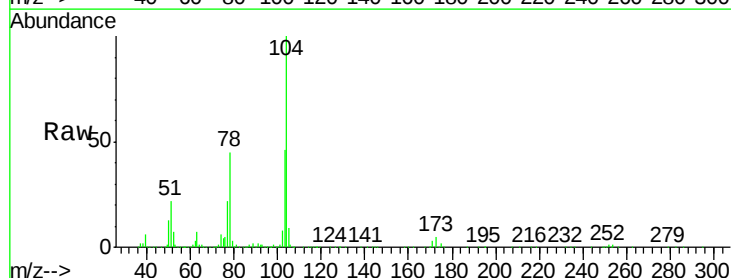
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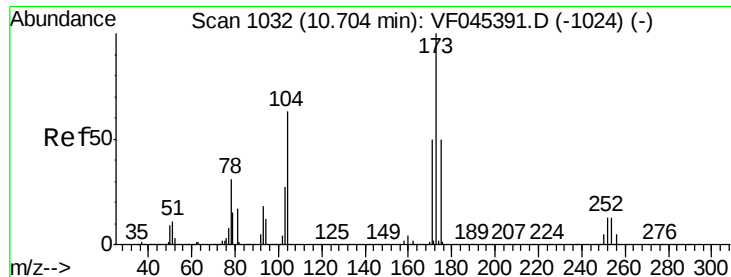
MMDadoda
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#69
Styrene
Concen: 50.84 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion:104 Resp: 1728954
Ion Ratio Lower Upper
104 100
78 44.7 34.2 51.4
103 45.5 36.7 55.1





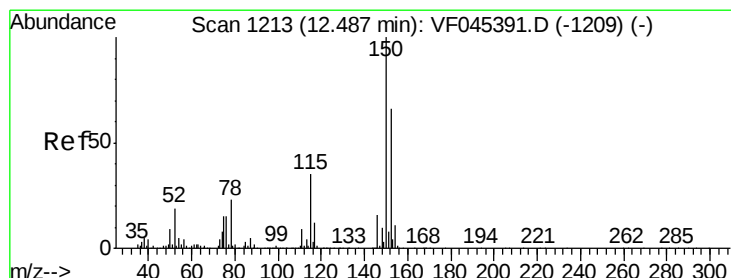
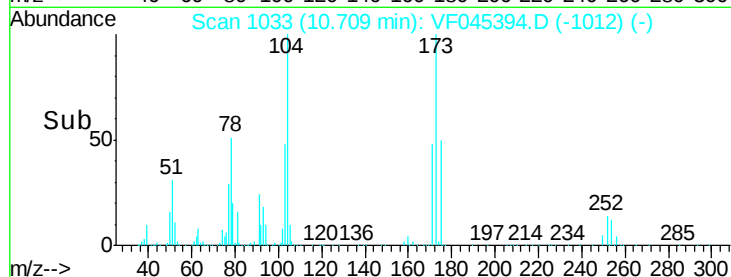
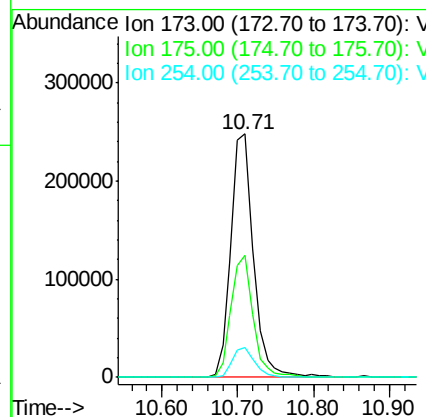
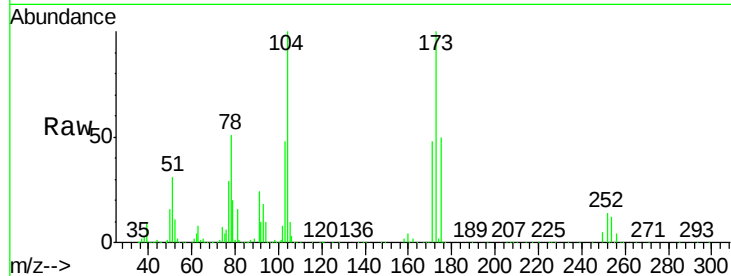
#70
Bromoform
Concen: 57.40 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	25.7	77.0
254	12.4	9.8	14.6

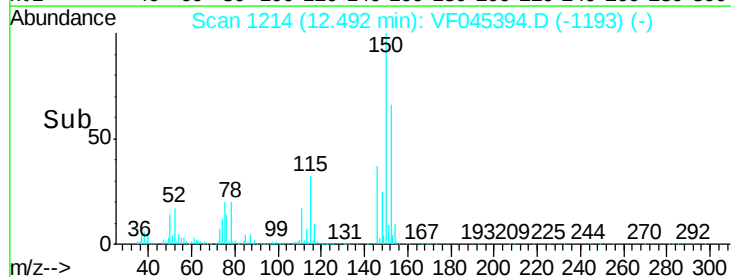
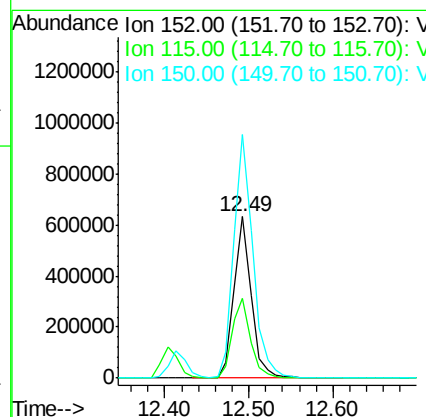
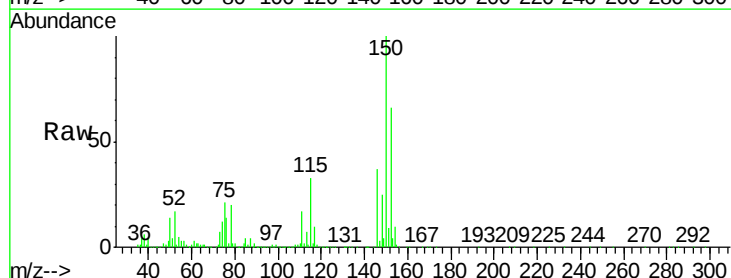
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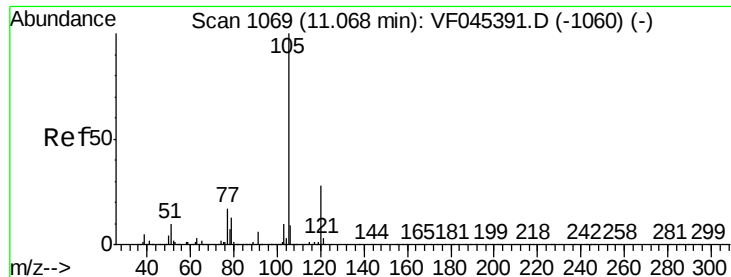
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	28.3	85.0
150	151.1	0.0	324.2





#72

Isopropylbenzene

Concen: 50.28 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 105 Resp: 3045966

Ion Ratio Lower Upper

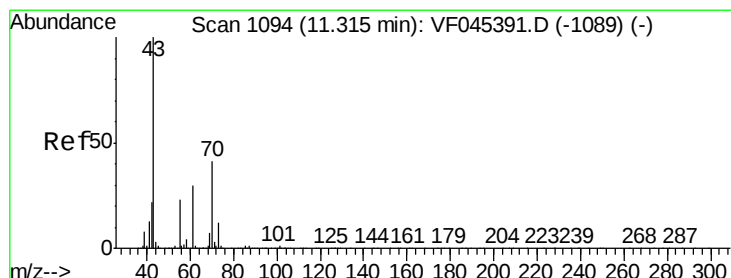
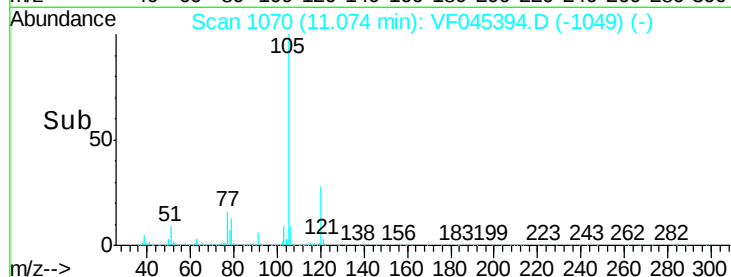
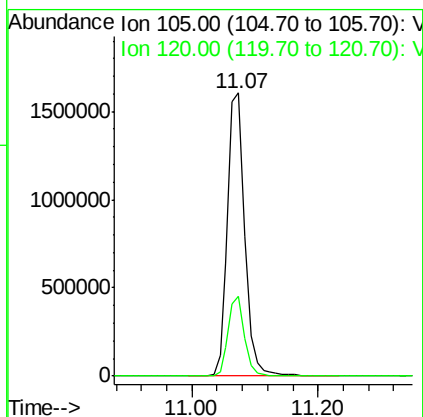
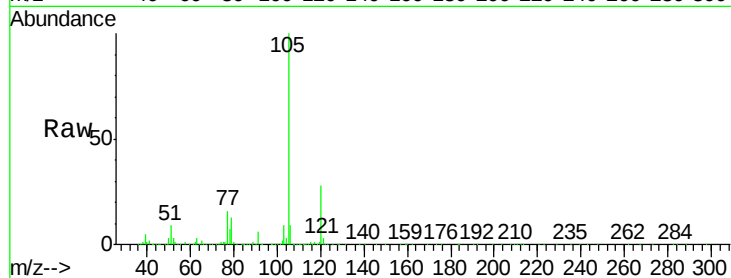
105 100

120 28.4 13.0 39.0

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#73

N-ethyl acetate

Concen: 57.41 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion: 43 Resp: 963886

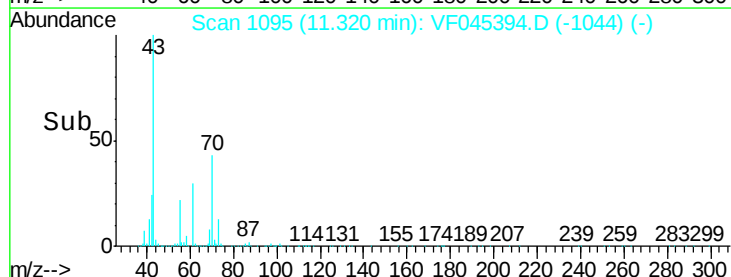
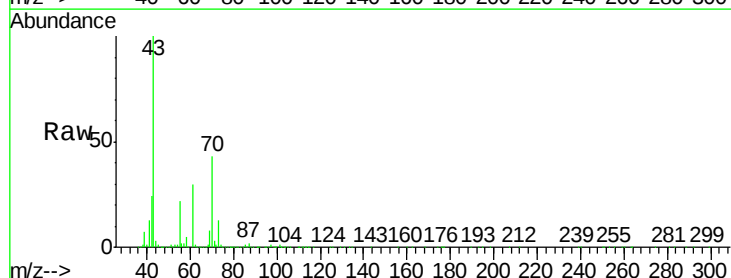
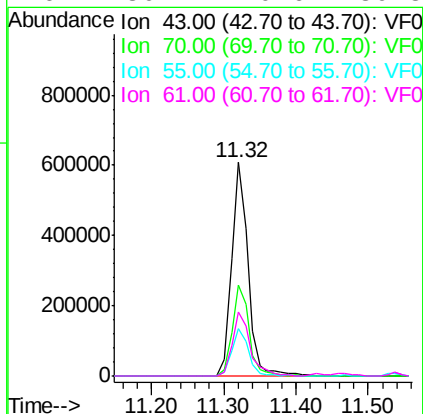
Ion Ratio Lower Upper

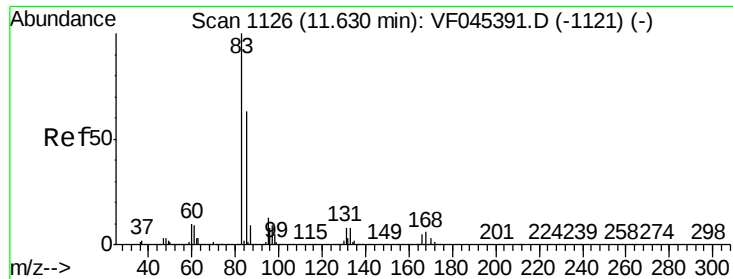
43 100

70 42.5 30.0 45.0

55 22.4 16.8 25.2

61 30.2 20.6 30.8





#74

1,1,2,2-Tetrachloroethane

Concen: 54.26 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

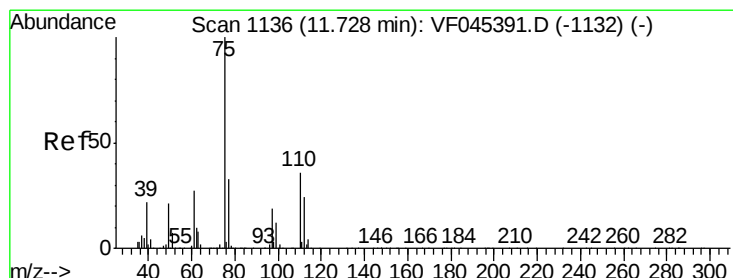
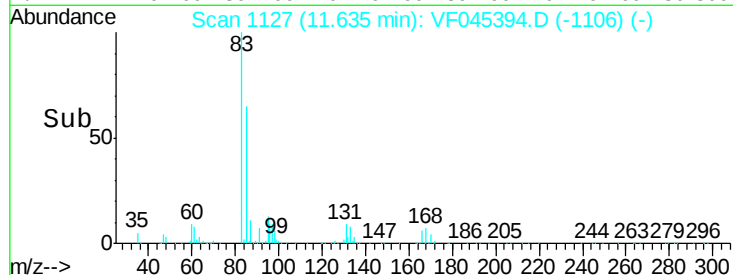
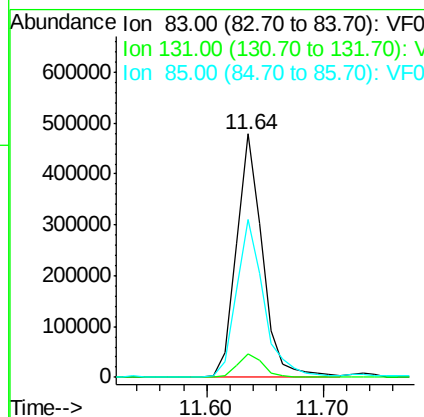
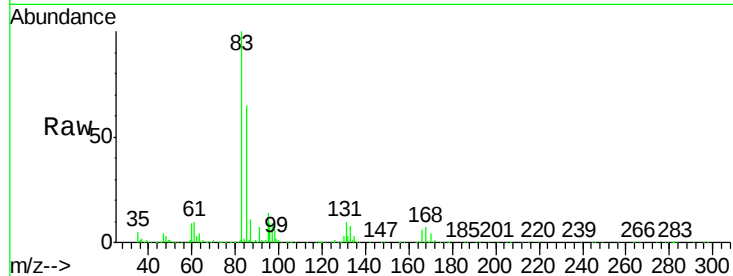
ClientSampleId :

ICVVF091615

Tot Ion:	83	Resp:	744904
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.2	12.6
85	64.9	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 55.89 ug/l

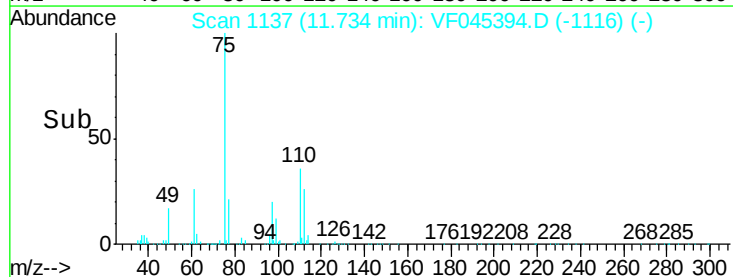
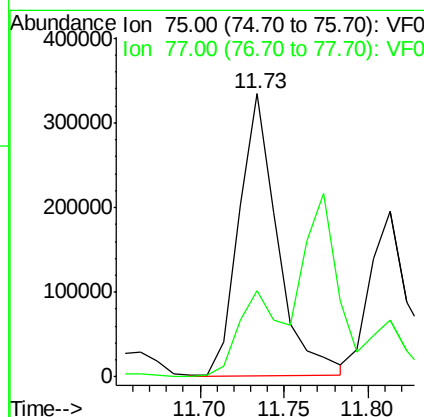
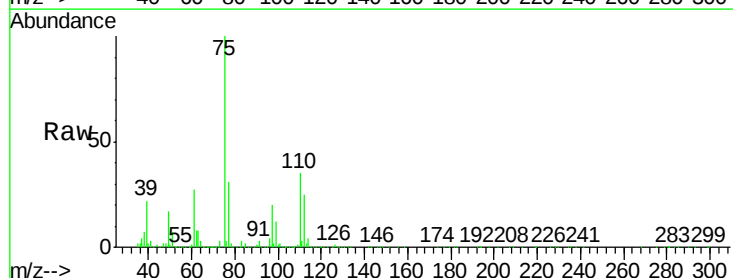
RT: 11.73 min Scan# 1137

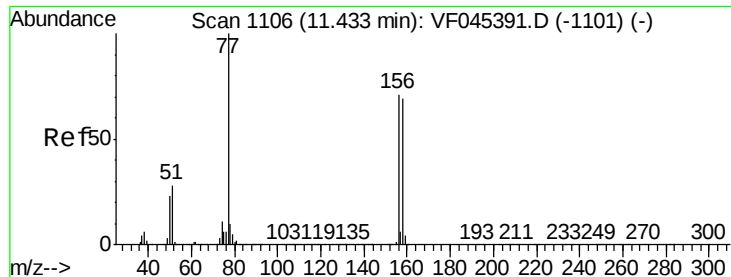
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	75	Resp:	527639
Ion Ratio	Lower	Upper	
75	100		
77	30.7	15.0	45.1





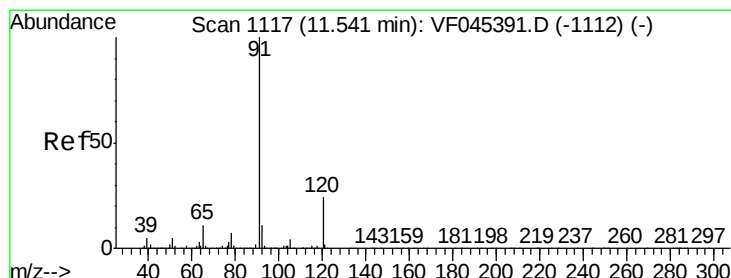
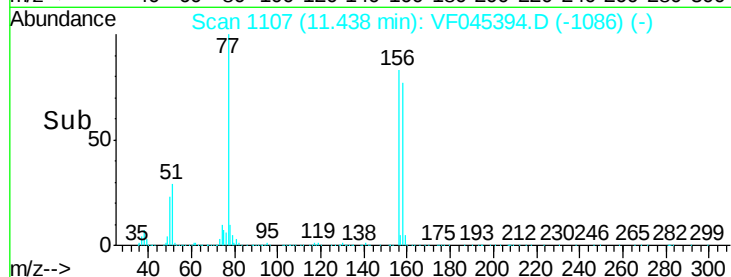
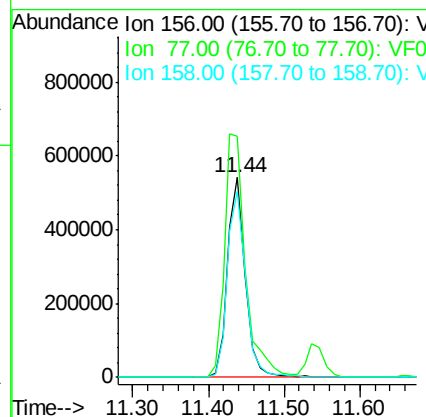
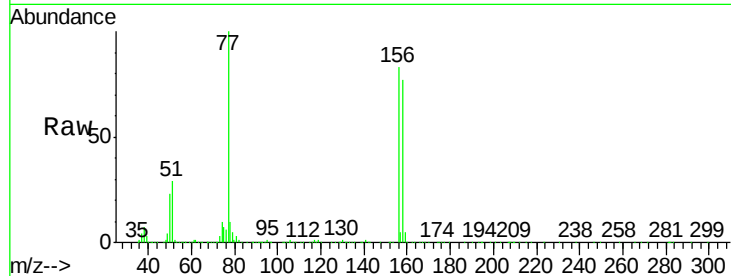
#76
Bromobenzene
Concen: 51.67 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
156	100		
77	120.8	74.8	224.3
158	92.9	49.5	148.7

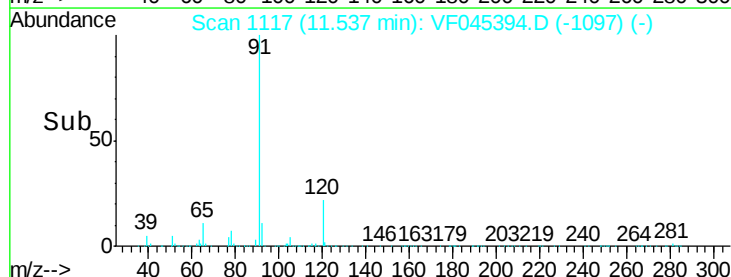
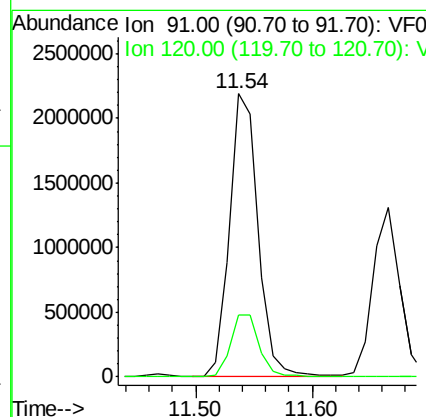
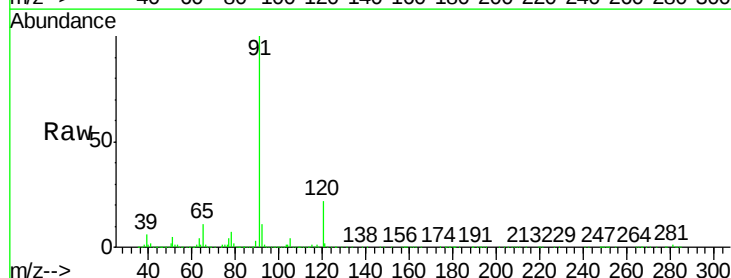
Manual Integrations
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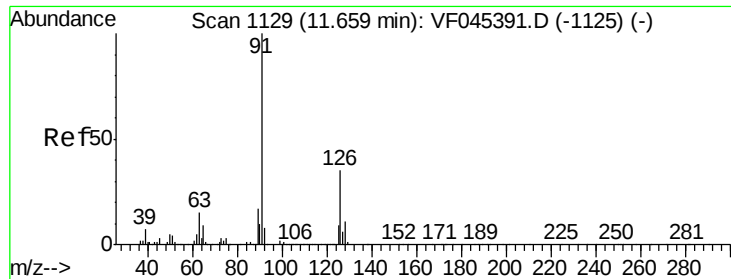
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#77
n-propylbenzene
Concen: 49.50 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.6	34.7





#78

2-Chlorotoluene

Concen: 49.66 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

ClientSampleId :

ICVVF091615

Tot Ion: 91 Resp: 2088875

Ion Ratio Lower Upper

91 100

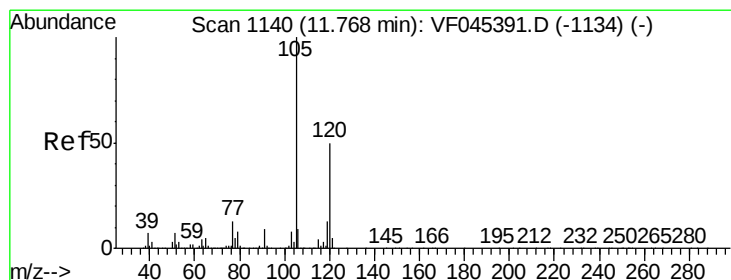
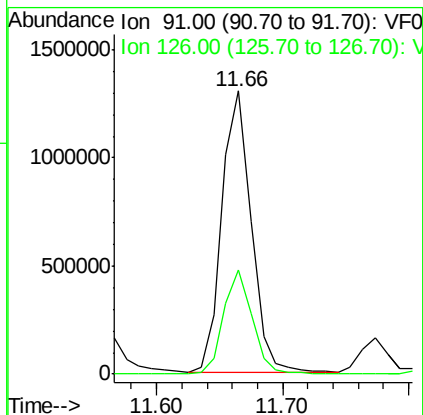
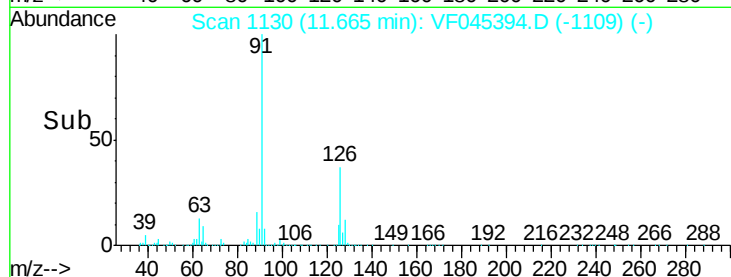
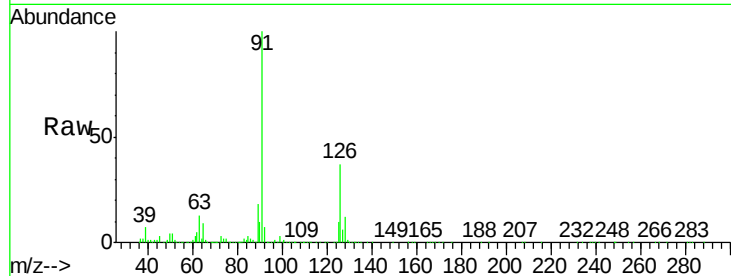
126 37.0 16.9 50.7

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#79

1,3,5-Trimethylbenzene

Concen: 49.40 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045394.D

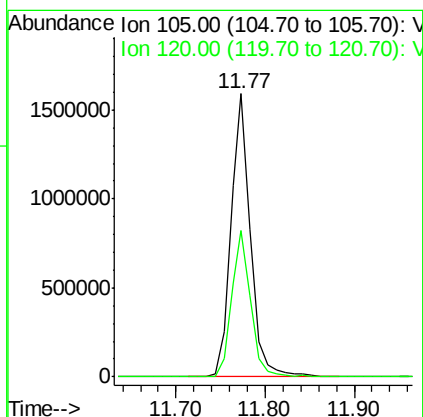
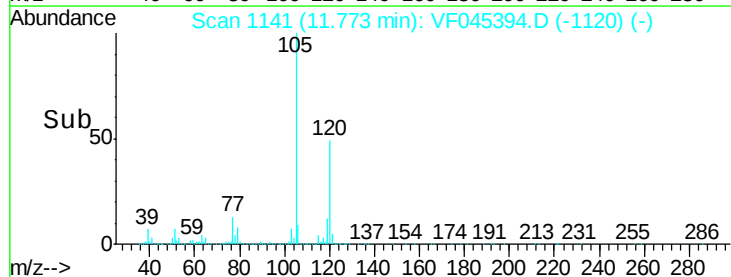
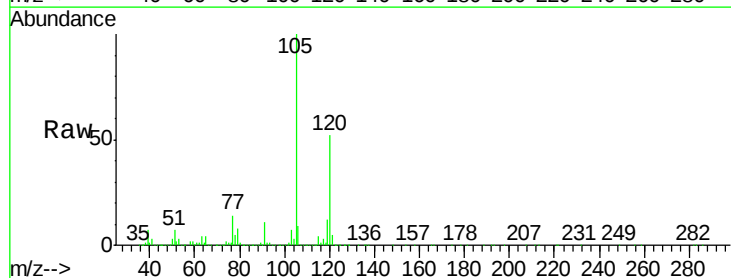
Acq: 16 Sep 2015 16:34

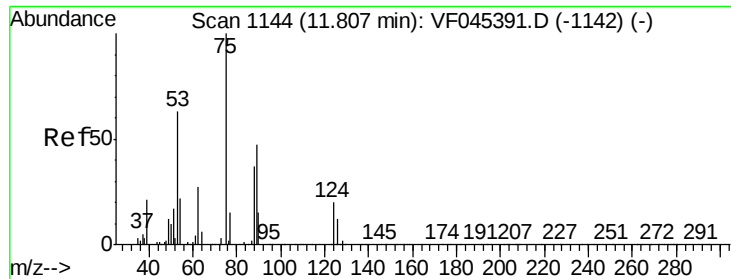
Tgt Ion: 105 Resp: 2438501

Ion Ratio Lower Upper

105 100

120 51.6 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 59.58 ug/l m

RT: 11.81 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

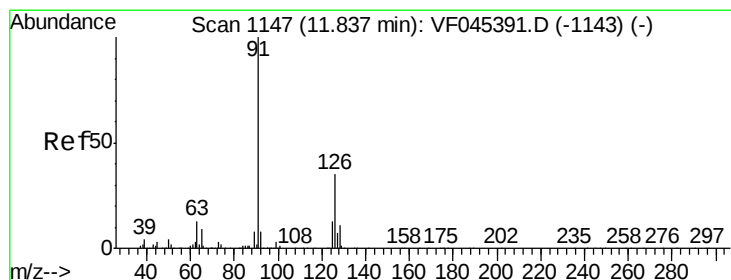
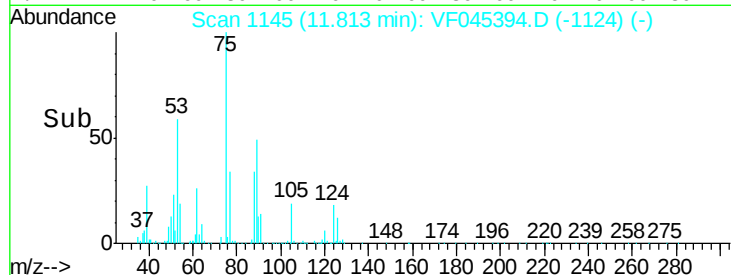
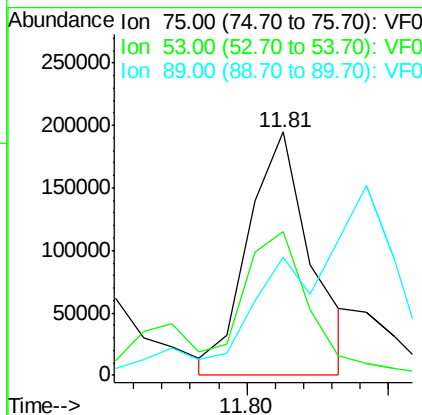
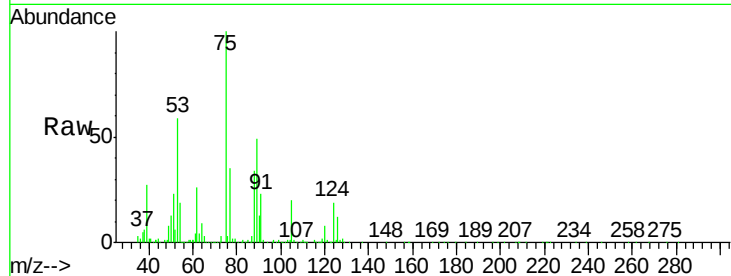
ClientSampleId :

ICVVF091615

Tot Ion:	75	Resp:	301282
Ion Ratio	Lower	Upper	
75	100		
53	59.2	51.0	76.6
89	48.8	38.6	57.8

Manual Integrations
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#81

4-Chlorotoluene

Concen: 49.28 ug/l

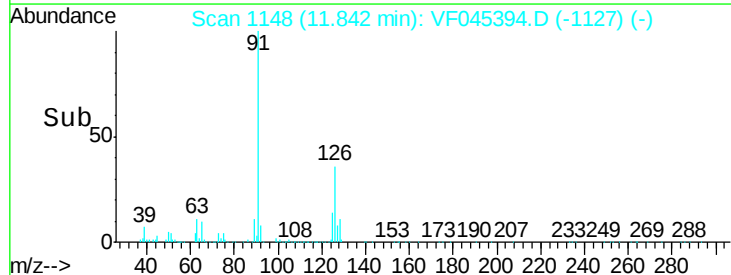
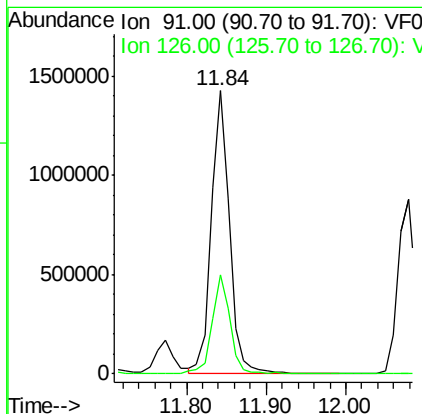
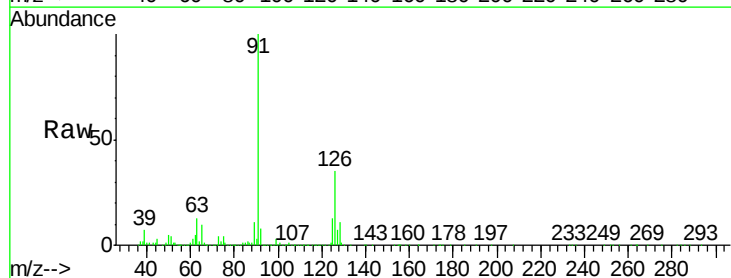
RT: 11.84 min Scan# 1148

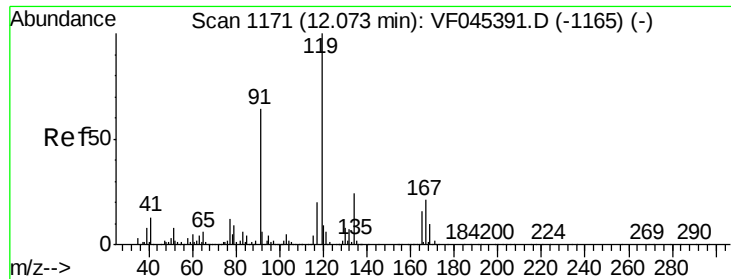
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	91	Resp:	2291029
Ion Ratio	Lower	Upper	
91	100		
126	35.1	15.8	47.4





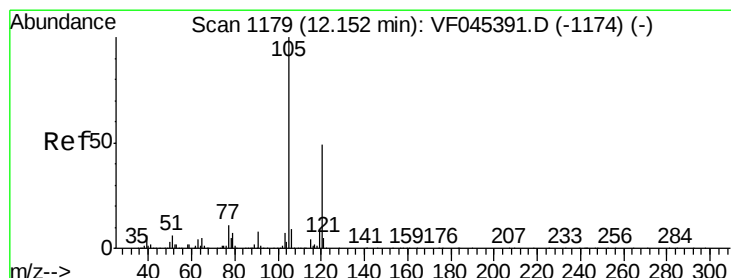
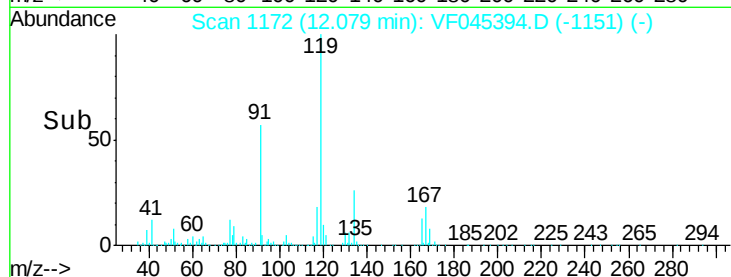
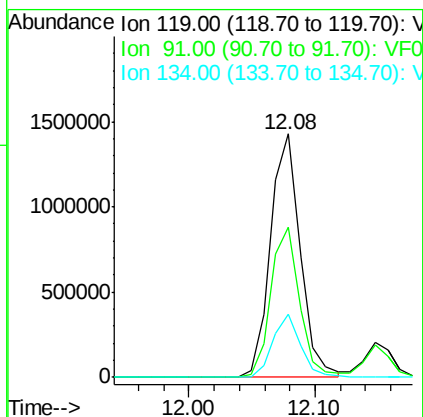
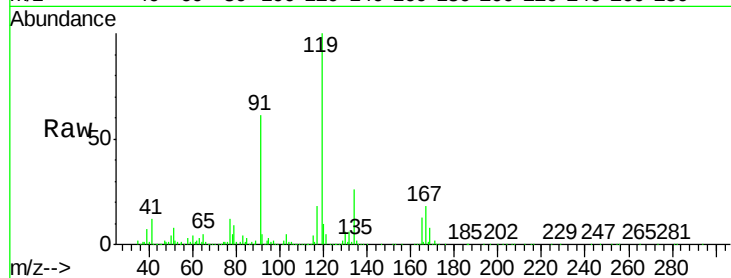
#82
tert-Butylbenzene
Concen: 48.09 ug/l
RT: 12.08 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.1	93.2
134	25.9	12.2	36.6

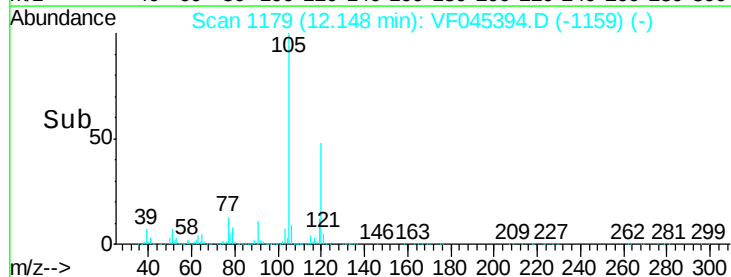
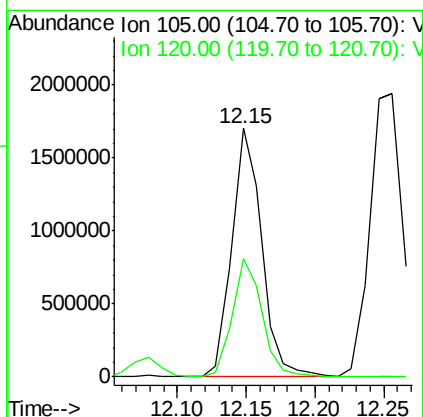
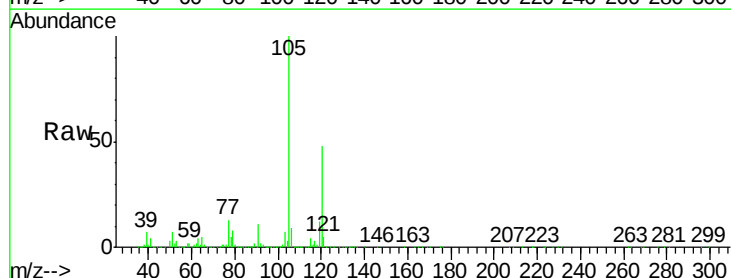
Manual Integrations
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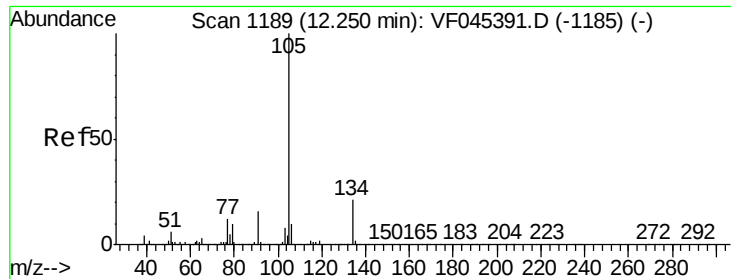
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#83
1,2,4-Trimethylbenzene
Concen: 51.01 ug/l
RT: 12.15 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	22.9	68.7





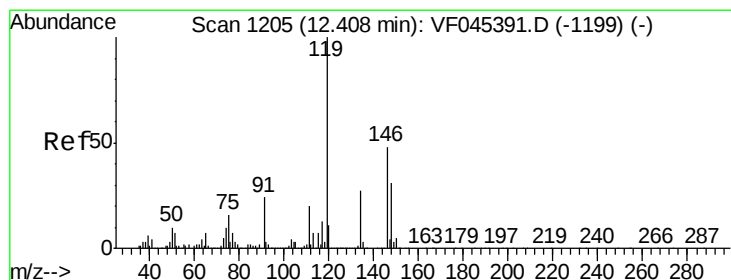
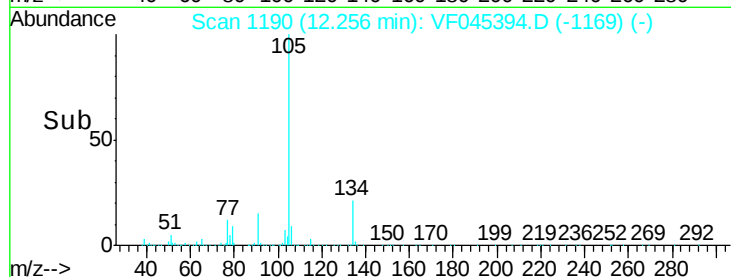
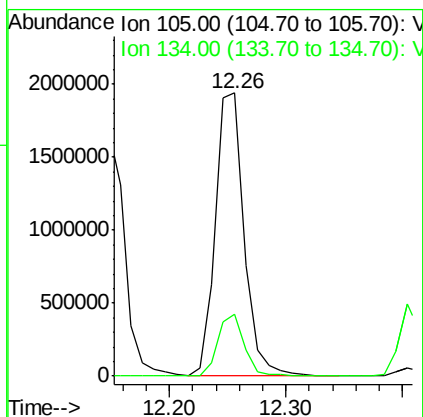
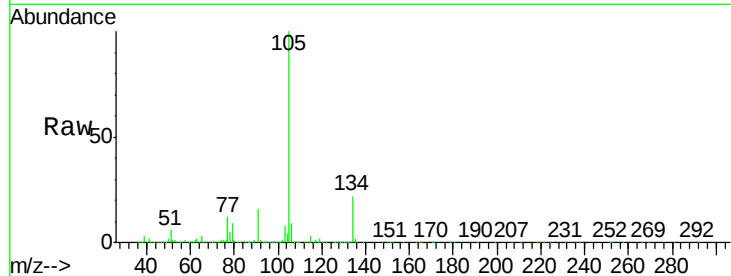
#84
 sec-Butylbenzene
 Concen: 48.71 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

Tot Ion:105 Resp: 3305741
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.5 31.6

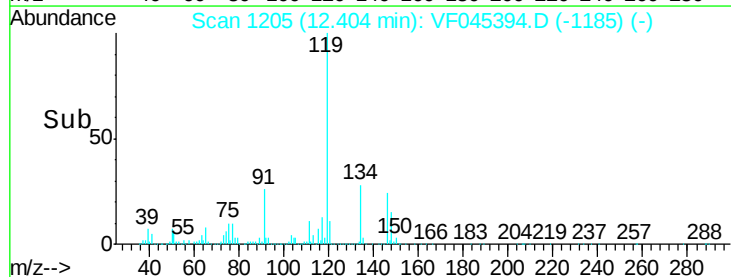
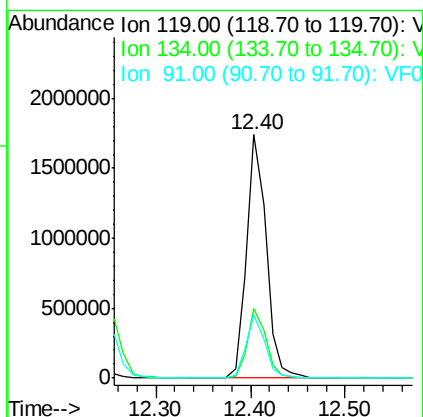
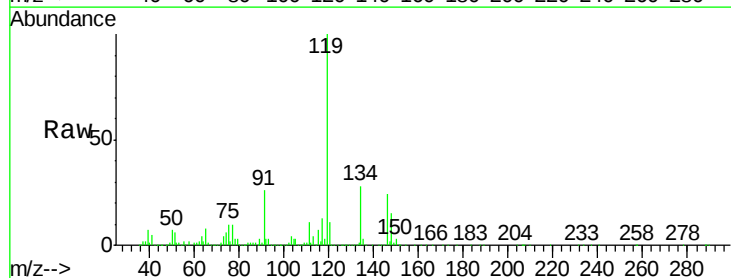
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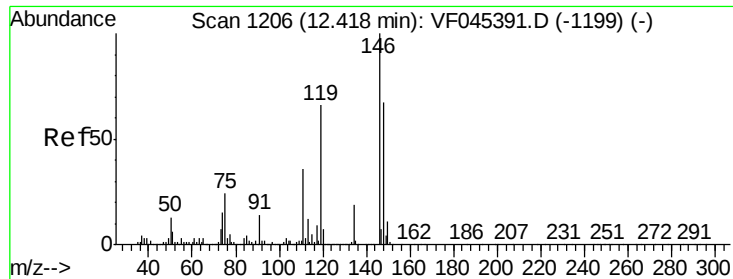
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#85
 p-Isopropyltoluene
 Concen: 47.35 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion:119 Resp: 2501958
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.0 38.9
 91 26.1 12.2 36.6





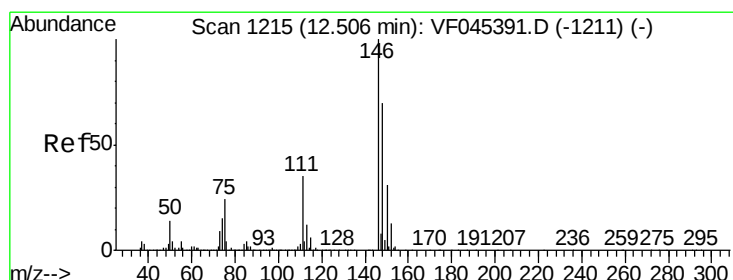
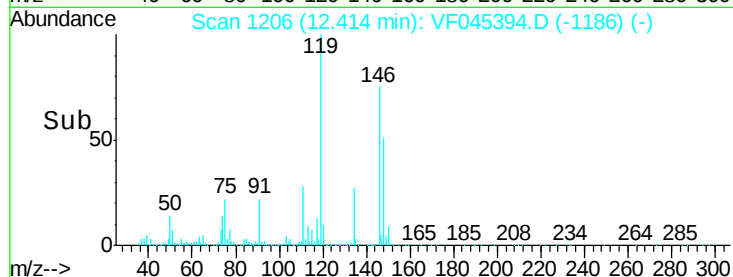
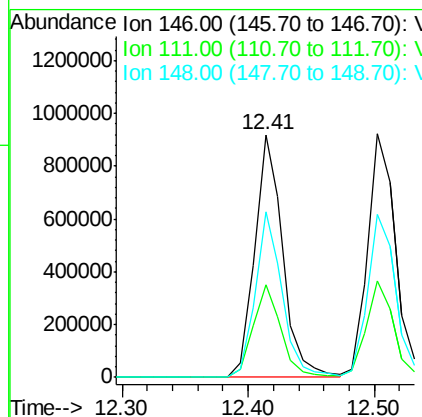
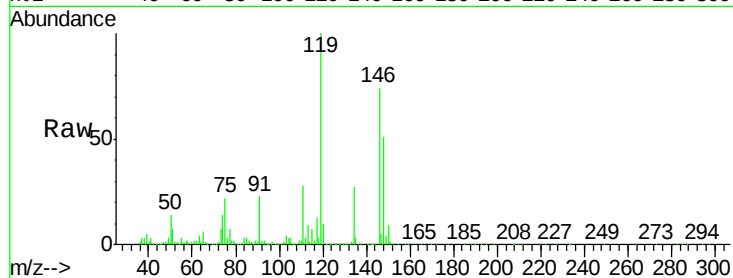
#86
 1,3-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF091615

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.9	59.7
148	68.3	32.5	97.4

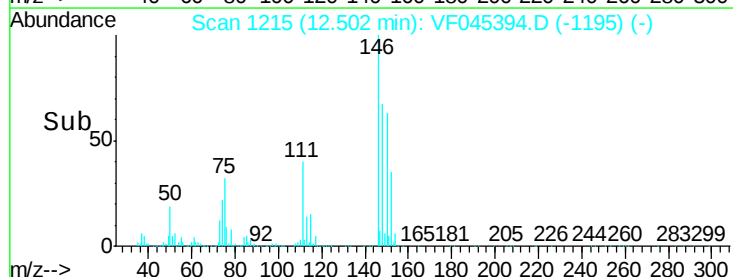
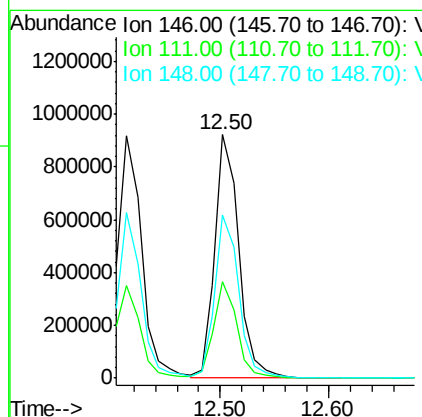
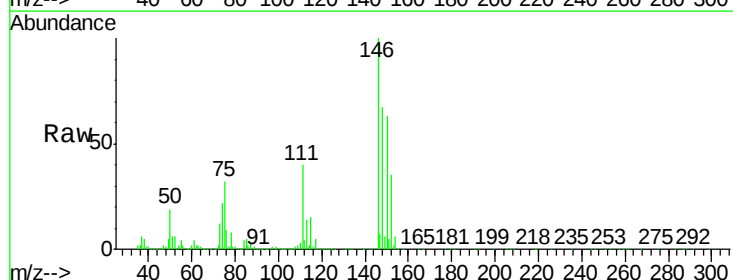
Manual Integrations
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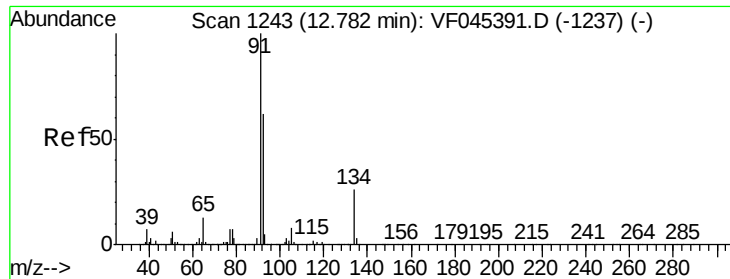
MMDadoda
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#87
 1,4-Dichlorobenzene
 Concen: 48.67 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	17.3	52.0
148	67.0	32.4	97.0





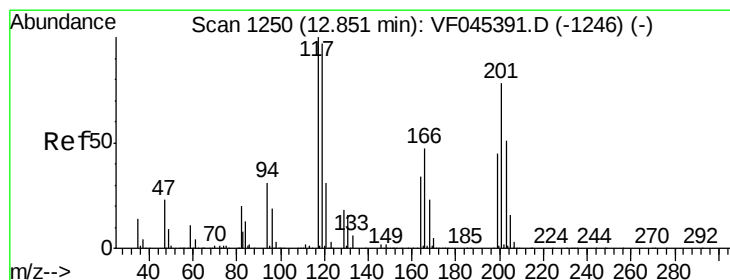
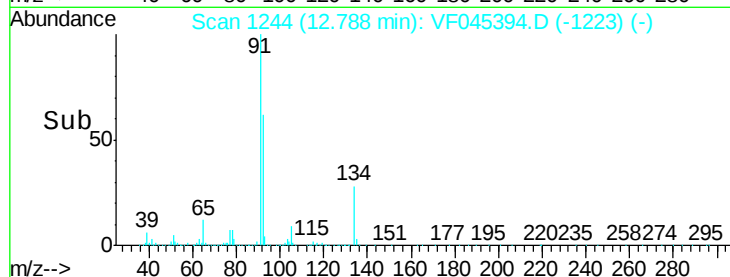
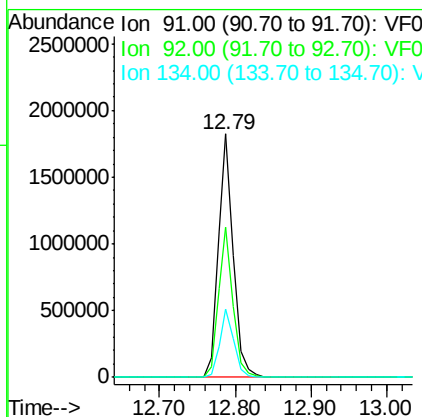
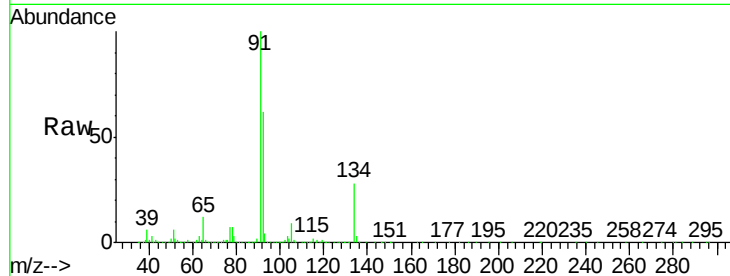
#88
n-Butylbenzene
Concen: 47.83 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.8	30.1	90.5
134	28.1	13.8	41.4

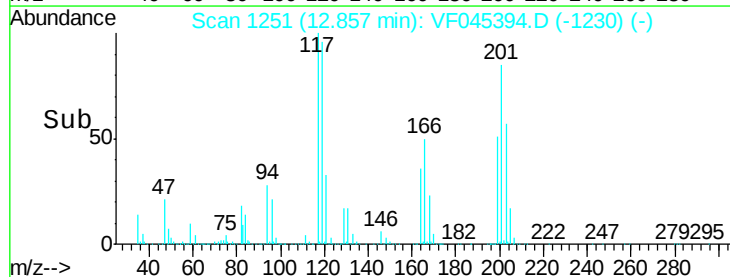
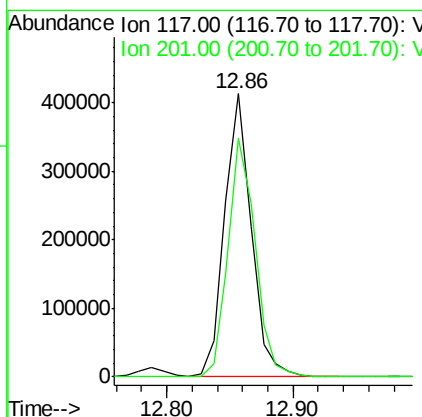
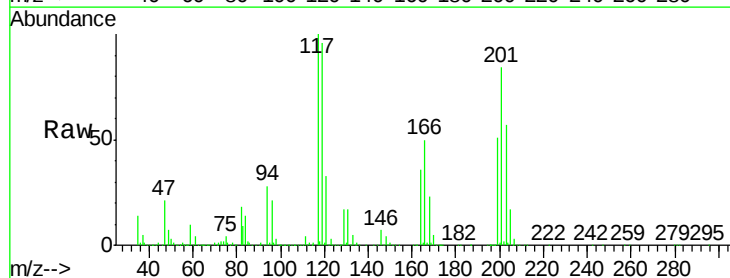
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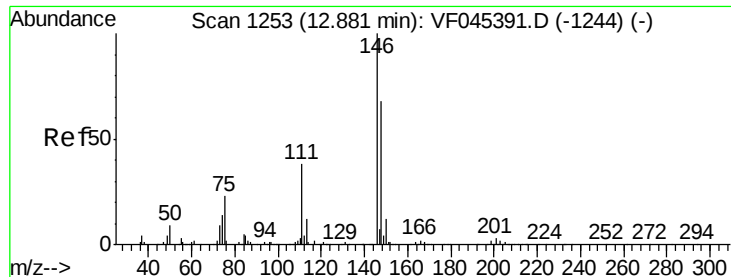
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#89
Hexachloroethane
Concen: 48.33 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	42.0	126.1





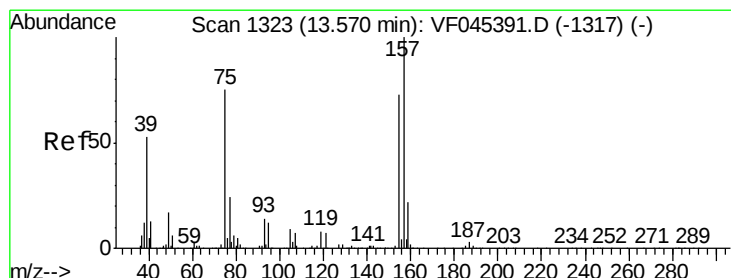
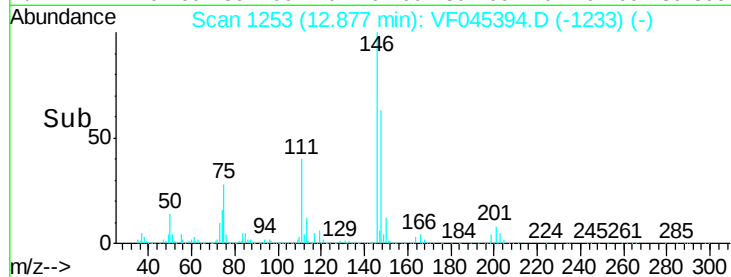
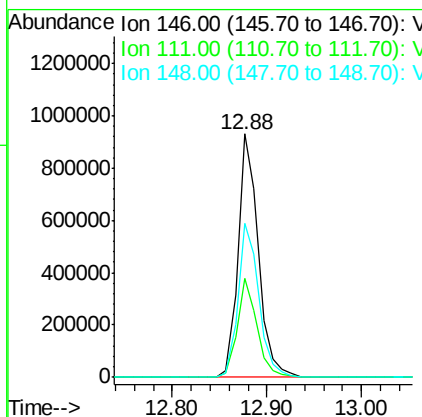
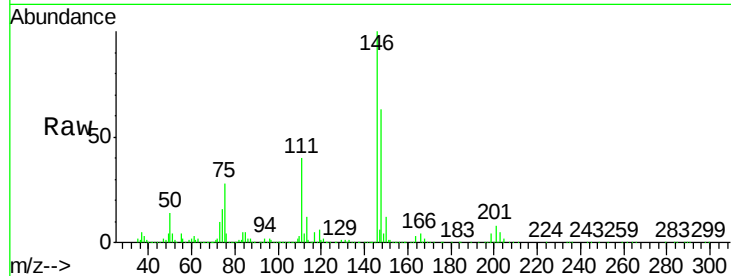
#90
 1,2-Dichlorobenzene
 Concen: 51.44 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF091615

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.4	64.3
148	63.2	31.4	94.3

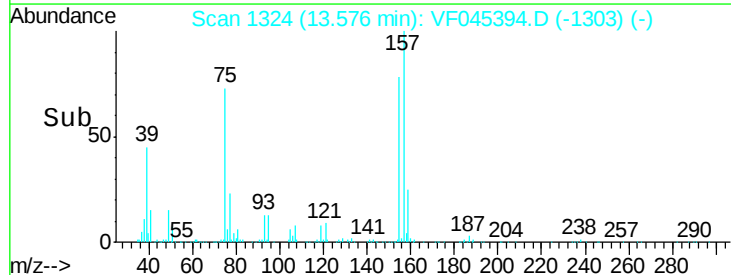
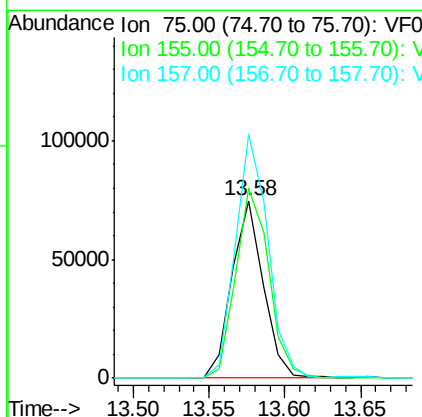
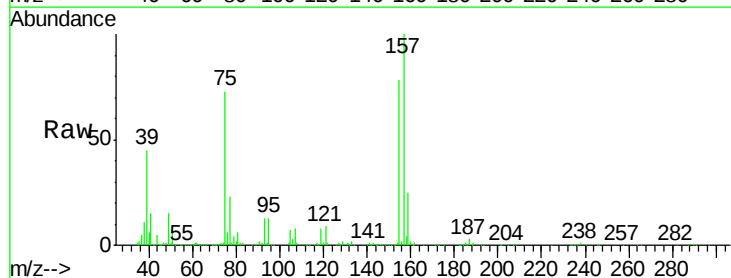
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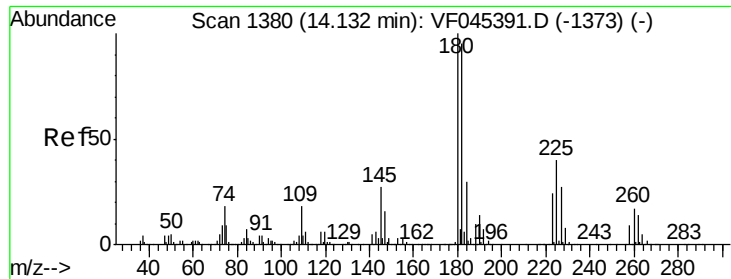
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 59.31 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045394.D
 Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	49.2	147.6
157	137.2	66.8	200.4





#92

1,2,4-Trichlorobenzene

Concen: 54.79 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Instrument :

MSVOA_F

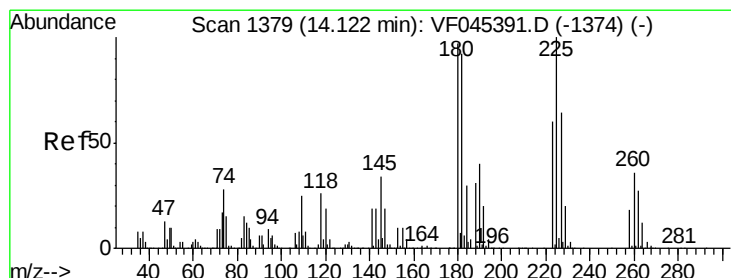
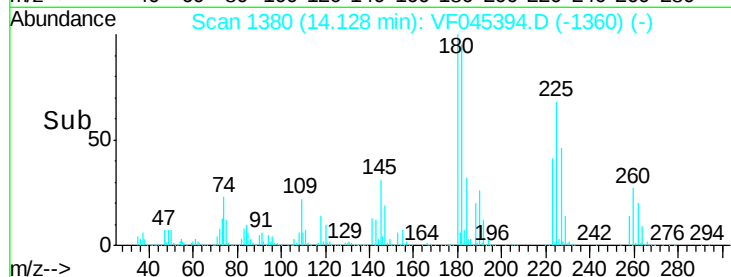
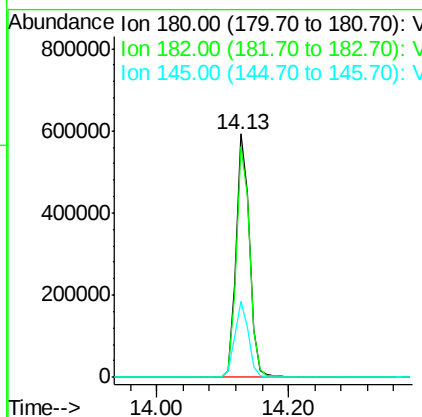
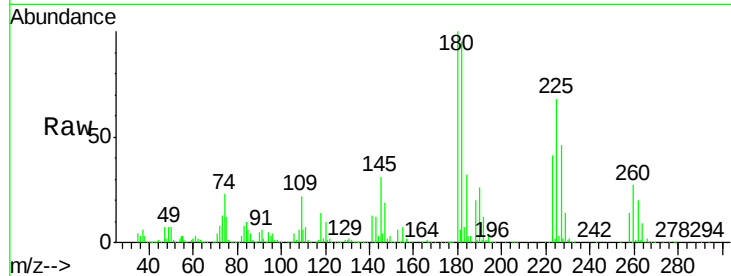
ClientSampleId :

ICVVF091615

Tot Ion:	180	Resp:	851580
Ion Ratio	Lower	Upper	
180	100		
182	94.9	49.4	148.0
145	31.1	16.7	50.1

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#93

Hexachlorobutadiene

Concen: 50.97 ug/l

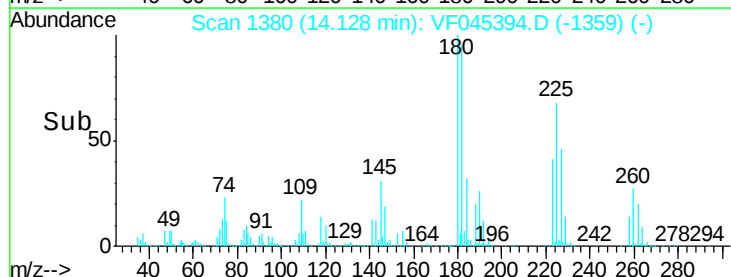
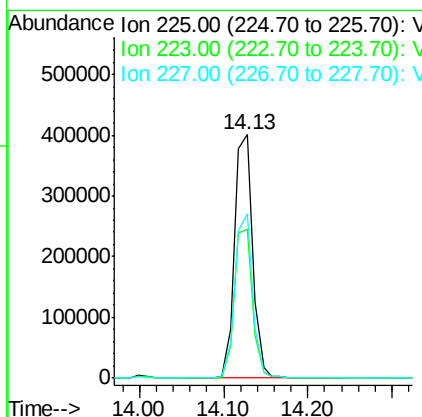
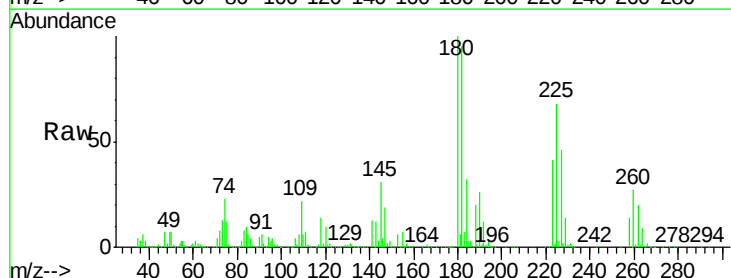
RT: 14.13 min Scan# 1380

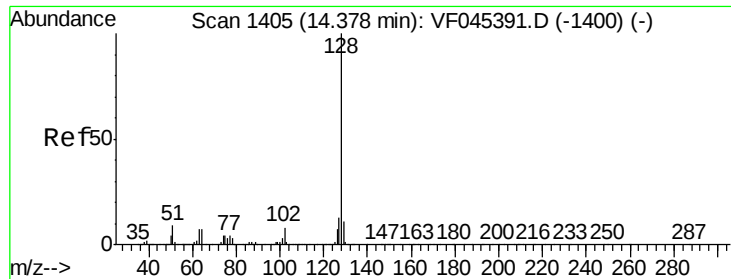
Delta R.T. 0.01 min

Lab File: VF045394.D

Acq: 16 Sep 2015 16:34

Tgt Ion:	225	Resp:	601756
Ion Ratio	Lower	Upper	
225	100		
223	61.0	31.9	95.5
227	67.5	32.9	98.7





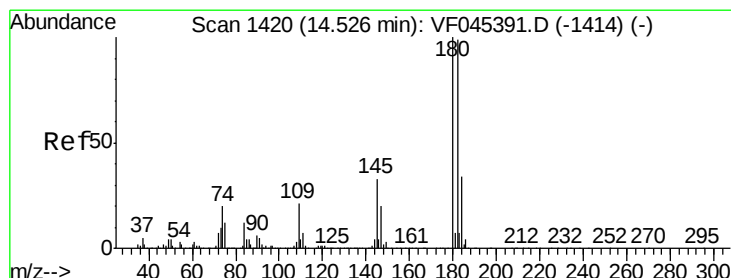
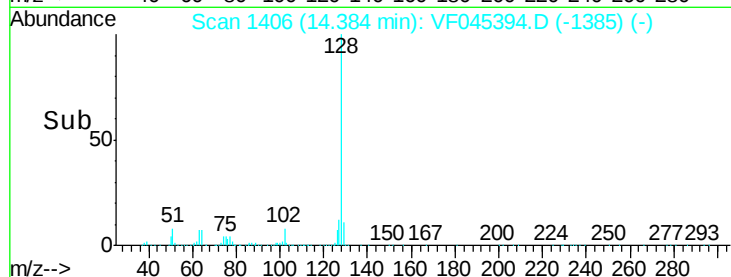
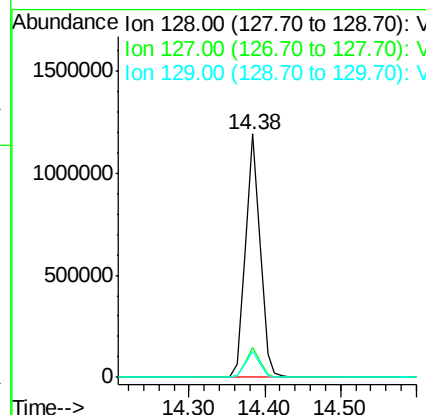
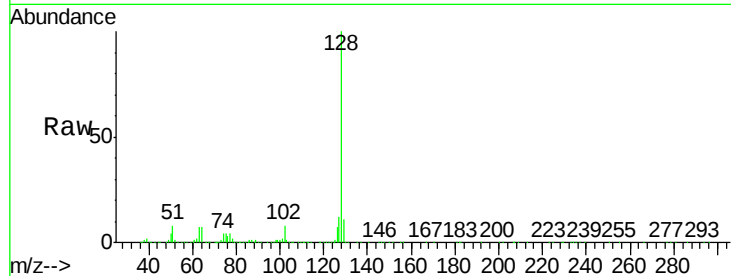
#94
Naphthalene
Concen: 53.77 ug/l
RT: 14.38 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Instrument :
MSVOA_F
ClientSampleId :
ICVVF091615

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:51:05 PM



#95
1,2,3-Trichlorobenzene
Concen: 56.99 ug/l
RT: 14.53 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF045394.D
Acq: 16 Sep 2015 16:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.1	47.6	142.8
145	26.6	14.5	43.6

