

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045388.D
 Acq On : 16 Sep 2015 13:15
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:35 PM

Quant Time: Sep 16 15:29:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.80	168	1115436	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1618294	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1570785	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.48	152	883982	50.00	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.77	65	57621	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
34) Dibromofluoromethane	4.02	113	61287	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
49) Toluene-d8	7.48	98	194390	5.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.44%	
61) 4-Bromofluorobenzene	11.34	95	88821	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	47296	5.22	ug/l	93
3) Chloromethane	1.02	50	39210	3.94	ug/l	93
4) Vinyl Chloride	1.09	62	31342	4.09	ug/l	98
5) Bromomethane	1.26	94	22454	6.00	ug/l	87
6) Chloroethane	1.33	64	14253	5.60	ug/l #	87
7) Trichlorofluoromethane	1.39	101	69466m	5.57	ug/l	
8) Diethyl Ether	1.59	74	12834	4.08	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.78	101	38882	4.86	ug/l	94
10) Methyl Iodide	1.81	142	80193	5.11	ug/l	93
11) Tert butyl alcohol	2.51	59	2872	21.52	ug/l #	26
12) 1,1-Dichloroethene	1.71	96	32852	4.92	ug/l	94
13) Acrolein	1.95	56	11175	16.04	ug/l	99
14) Allyl chloride	2.04	41	47235	3.79	ug/l	94
15) Acrylonitrile	2.87	53	28042	17.33	ug/l	93
16) Acetone	2.18	43	58055	20.16	ug/l	93
17) Carbon Disulfide	1.72	76	107993	4.87	ug/l	96
18) Methyl Acetate	2.29	43	44167	3.34	ug/l #	90
19) Methyl tert-butyl Ether	2.38	73	18918	3.62	ug/l	99
20) Methylene Chloride	2.13	84	64547	8.55	ug/l	92
21) trans-1,2-Dichloroethene	2.25	96	33912	4.38	ug/l	97
22) Diisopropyl ether	2.73	45	107959	3.96	ug/l	97
23) Vinyl Acetate	3.12	43	148636	17.85	ug/l #	91
24) 1,1-Dichloroethane	2.81	63	73061	4.50	ug/l #	97
25) 2-Butanone	4.25	43	86306	17.48	ug/l	100
26) 2,2-Dichloropropane	3.53	77	67141	4.75	ug/l	98
27) cis-1,2-Dichloroethene	3.39	96	51409	4.20	ug/l	86
28) Bromochloromethane	3.64	49	33229	3.91	ug/l	95
29) Chloroform	3.78	83	100724	4.68	ug/l	100
30) Cyclohexane	3.61	56	67395	3.97	ug/l #	87
31) 1,1,1-Trichloroethane	4.01	97	83341	4.99	ug/l	91
35) 1,1-Dichloropropene	4.21	75	72210	4.69	ug/l #	88
36) Ethyl Acetate	4.02	43	37921	4.10	ug/l #	73
37) Carbon Tetrachloride	3.91	117	76600	5.79	ug/l	95
38) Methylcyclohexane	5.38	83	85461	5.14	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.55	78	171637	4.44	ug/l	92
40) Methacrylonitrile	4.66	41	18345	4.19	ug/l #	82
41) 1,2-Dichloroethane	4.86	62	68518	5.28	ug/l	95
42) Isopropyl Acetate	6.90	43	41808	3.34	ug/l #	95
43) Trichloroethene	5.43	130	59317	5.35	ug/l	92
44) 1,2-Dichloropropane	6.17	63	45935	3.95	ug/l #	87
45) Dibromomethane	6.00	93	33138	4.58	ug/l	91
46) Bromodichloromethane	6.31	83	74192	4.85	ug/l	89
47) Methyl methacrylate	6.65	41	25443	3.49	ug/l #	75
48) 1,4-Dioxane	6.63	88	7443	100.24	ug/l #	70
50) 4-Methyl-2-Pentanone	8.19	43	162519	18.03	ug/l	92
51) Toluene	7.55	92	135177	5.11	ug/l	99
52) t-1,3-Dichloropropene	8.20	75	66327	4.52	ug/l	99
53) cis-1,3-Dichloropropene	7.23	75	77705	4.33	ug/l	94
54) 1,1,2-Trichloroethane	8.41	97	43806	4.78	ug/l	92
55) Ethyl methacrylate	8.55	69	50154	3.93	ug/l	87
56) 1,3-Dichloropropane	8.77	76	67343	4.24	ug/l #	86
58) 2-Hexanone	9.42	43	125485	17.56	ug/l	91
59) Dibromochloromethane	8.63	129	57349	4.95	ug/l	88
60) 1,2-Dibromoethane	8.90	107	43601	4.22	ug/l	93
63) Tetrachloroethene	8.08	164	59881	5.57	ug/l	96
64) Chlorobenzene	9.72	112	158548	4.91	ug/l	94
65) 1,1,1,2-Tetrachloroethane	9.84	131	57416	5.18	ug/l	86
66) Ethyl Benzene	9.82	91	291406	5.09	ug/l	91
67) m/p-Xylenes	10.05	106	212538	10.70	ug/l	99
68) o-Xylene	10.64	106	106485	5.12	ug/l	97
69) Styrene	10.72	104	166297	4.99	ug/l	97
70) Bromoform	10.69	173	37785	4.82	ug/l #	91
72) Isopropylbenzene	11.06	105	291114	4.50	ug/l	98
73) N-amyl acetate	11.31	43	73279	3.28	ug/l	97
74) 1,1,2,2-Tetrachloroethane	11.63	83	65764	4.23	ug/l	91
75) 1,2,3-Trichloropropane	11.73	75	38924	3.48	ug/l	76
76) Bromobenzene	11.43	156	78499	4.71	ug/l	89
77) n-propylbenzene	11.53	91	389671	4.70	ug/l	93
78) 2-Chlorotoluene	11.66	91	203948	4.43	ug/l	97
79) 1,3,5-Trimethylbenzene	11.77	105	248482	4.80	ug/l	96
80) trans-1,4-Dichloro-2-buten	11.80	75	22286m	4.08	ug/l	
81) 4-Chlorotoluene	11.83	91	238627	4.83	ug/l	93
82) tert-Butylbenzene	12.07	119	245955	4.91	ug/l	97
83) 1,2,4-Trimethylbenzene	12.14	105	249272	4.76	ug/l	95
84) sec-Butylbenzene	12.24	105	346096	5.02	ug/l	96
85) p-Isopropyltoluene	12.40	119	274854	5.29	ug/l	96
86) 1,3-Dichlorobenzene	12.41	146	144289	5.18	ug/l	97
87) 1,4-Dichlorobenzene	12.49	146	144864	5.21	ug/l	97
88) n-Butylbenzene	12.78	91	264242	4.78	ug/l	92
89) Hexachloroethane	12.85	117	59020	5.14	ug/l	93
90) 1,2-Dichlorobenzene	12.87	146	120303	4.74	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.57	75	6682	3.64	ug/l	72
92) 1,2,4-Trichlorobenzene	14.12	180	58031	4.23	ug/l	98
93) Hexachlorobutadiene	14.11	225	52107	4.95	ug/l	88

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ClientSampleId :
VSTDICC005

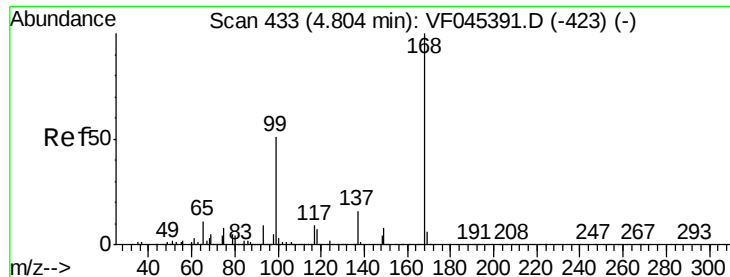
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	89135	3.69	ug/l #	95
95) 1,2,3-Trichlorobenzene	14.52	180	49928	4.52	ug/l	85

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 1115436

Ion Ratio Lower Upper

168 100

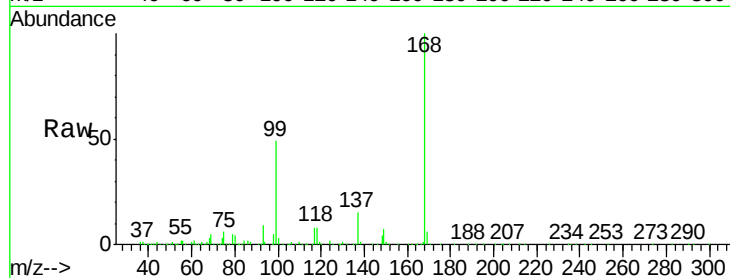
99 48.7 39.0 58.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.80

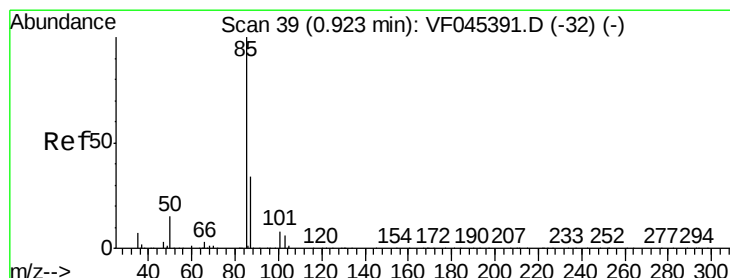
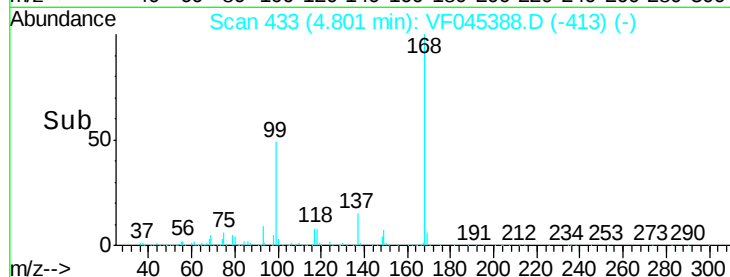
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 5.22 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.01 min

Lab File: VF045388.D

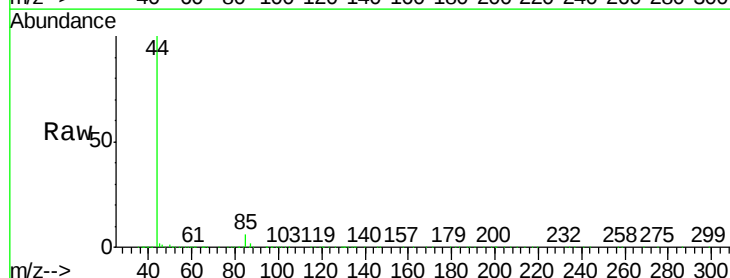
Acq: 16 Sep 2015 13:15

Tgt Ion: 85 Resp: 47296

Ion Ratio Lower Upper

85 100

87 34.8 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

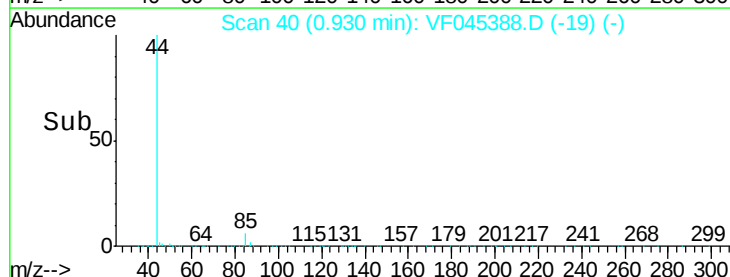
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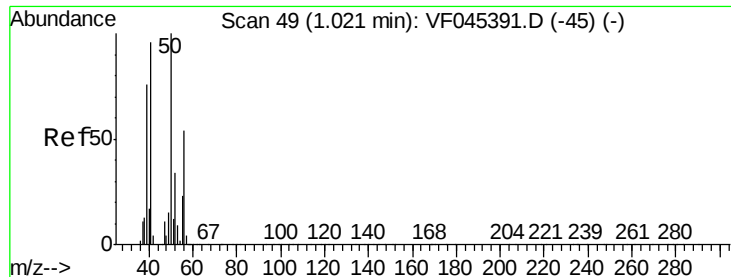
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 3.94 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 39210

Ion Ratio Lower Upper

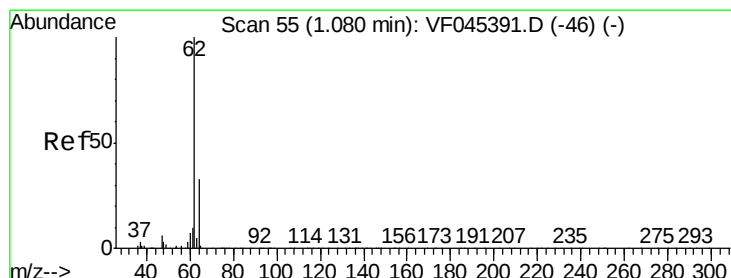
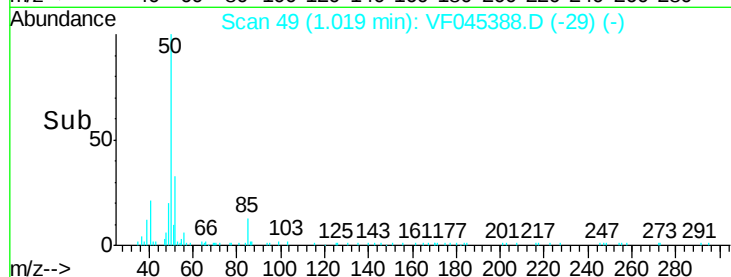
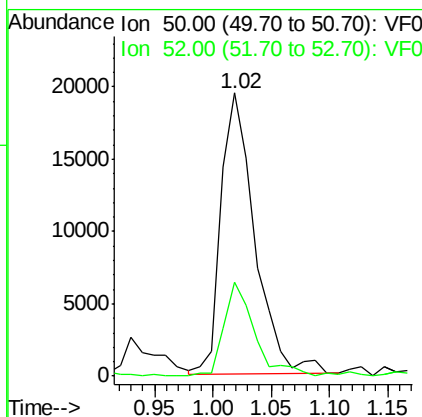
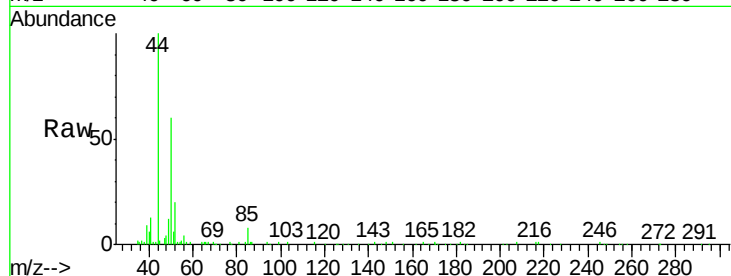
50 100

52 33.3 23.8 35.8

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#4

Vinyl Chloride

Concen: 4.09 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF045388.D

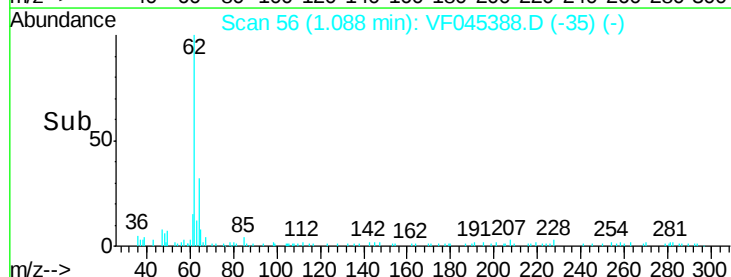
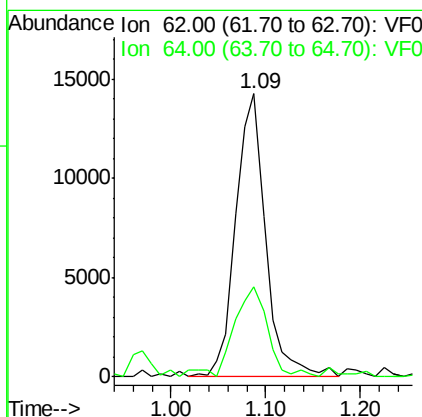
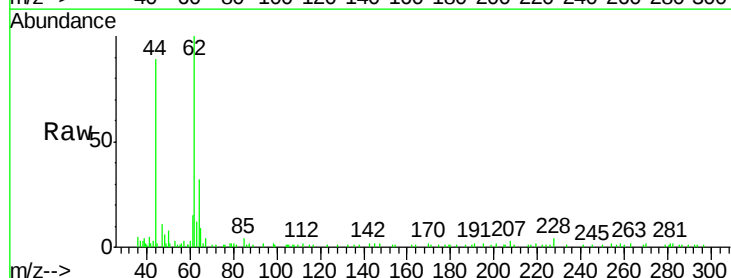
Acq: 16 Sep 2015 13:15

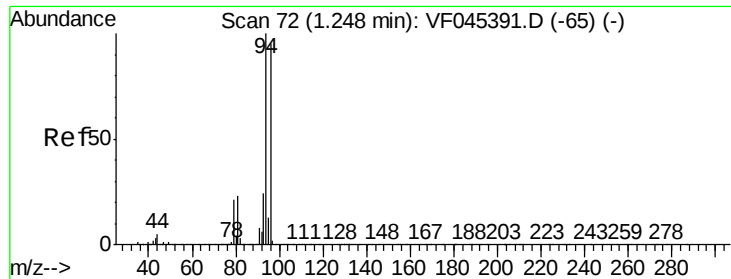
Tgt Ion: 62 Resp: 31342

Ion Ratio Lower Upper

62 100

64 32.0 26.6 39.8





#5

Bromomethane

Concen: 6.00 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 22454

Ion Ratio Lower Upper

94 100

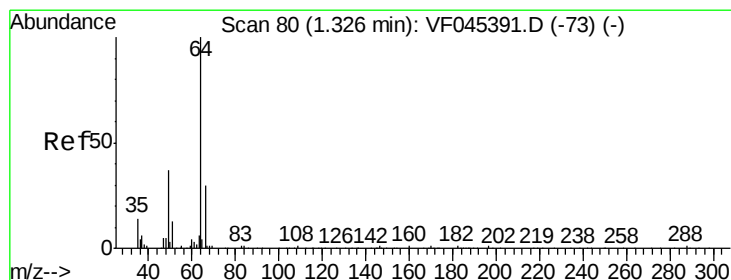
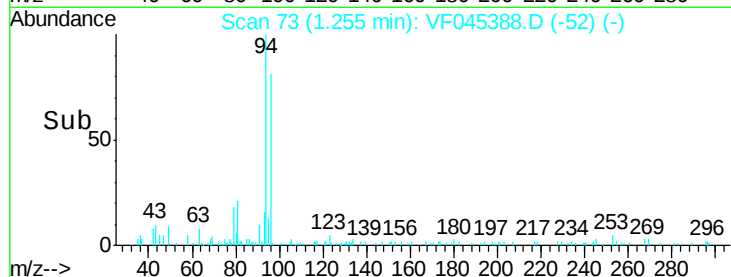
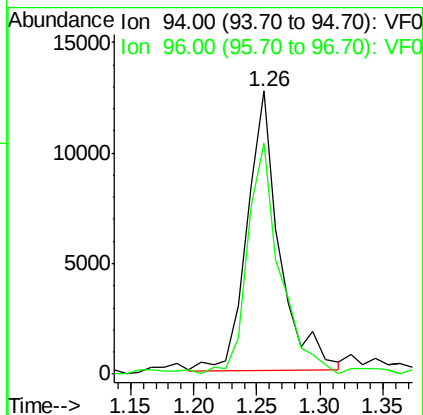
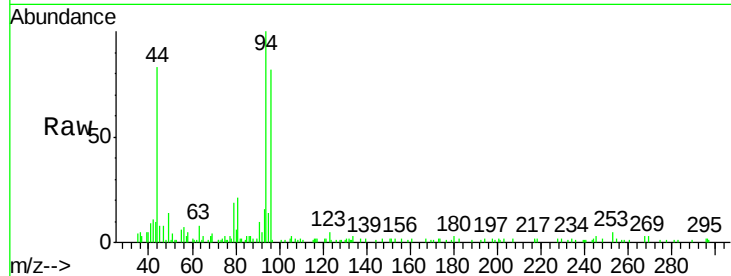
96 81.6 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 5.60 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045388.D

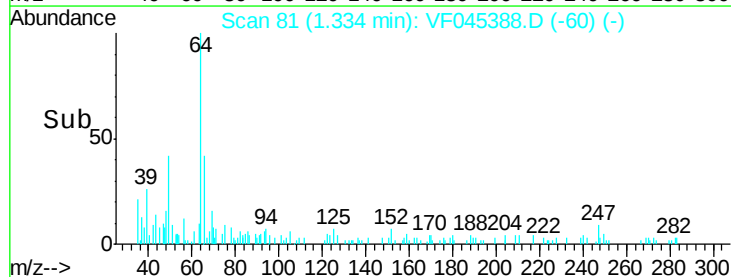
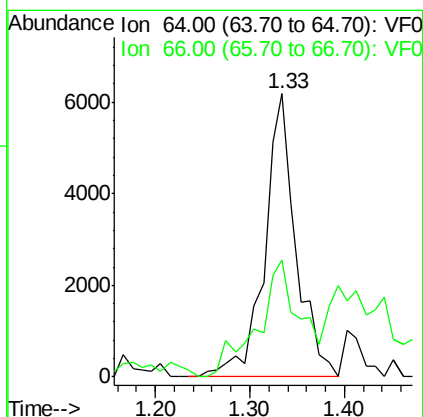
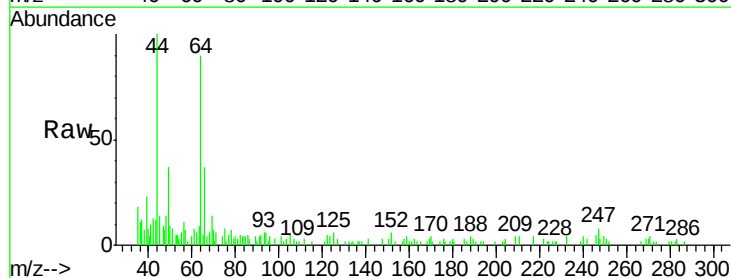
Acq: 16 Sep 2015 13:15

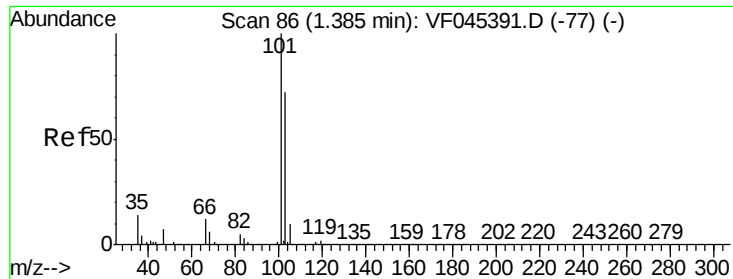
Tgt Ion: 64 Resp: 14253

Ion Ratio Lower Upper

64 100

66 41.4 27.3 40.9#





#7

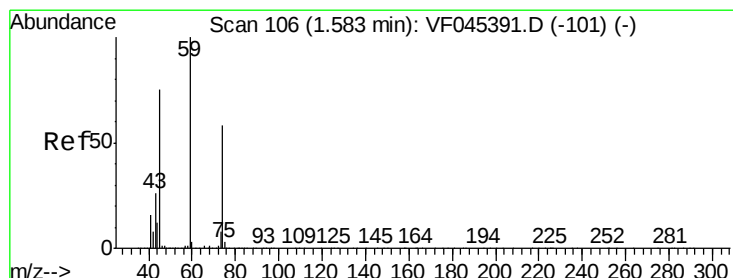
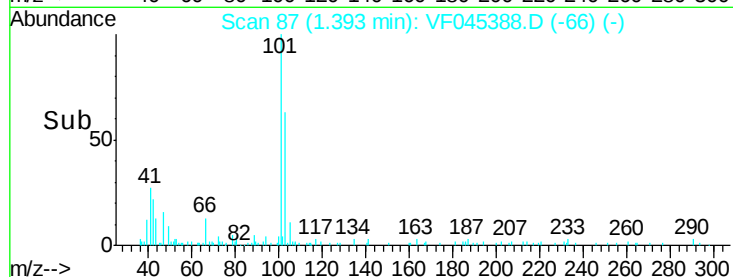
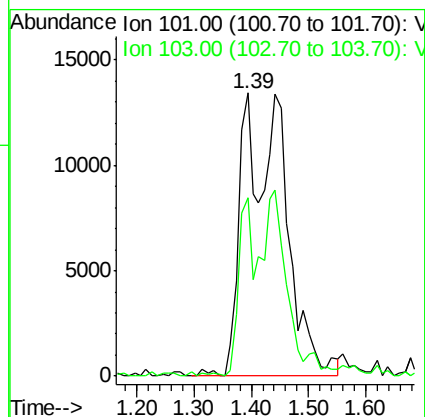
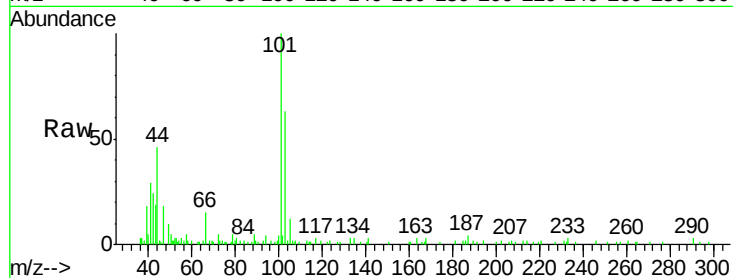
Trichlorofluoromethane
Concen: 5.57 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.8	76.2

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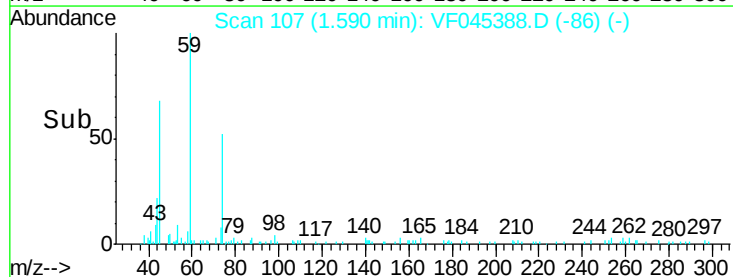
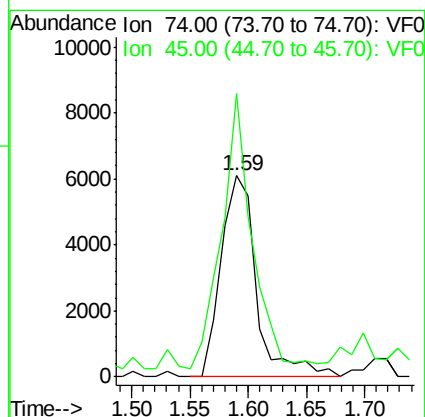
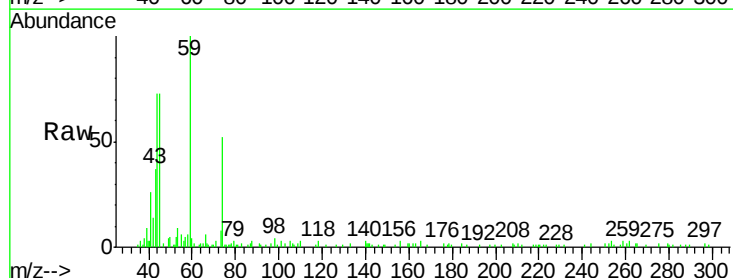
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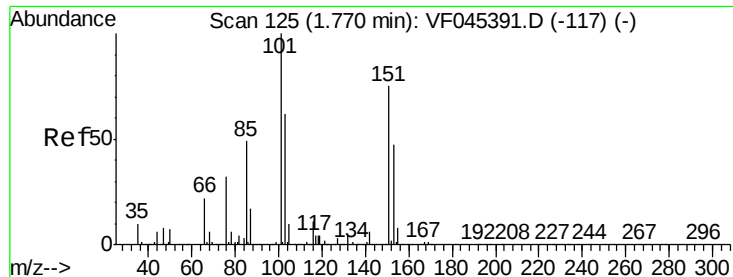


#8

Diethyl Ether
Concen: 4.08 ug/l
RT: 1.59 min Scan# 107
Delta R.T. 0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.7	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.86 ug/l

RT: 1.78 min Scan# 126

Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

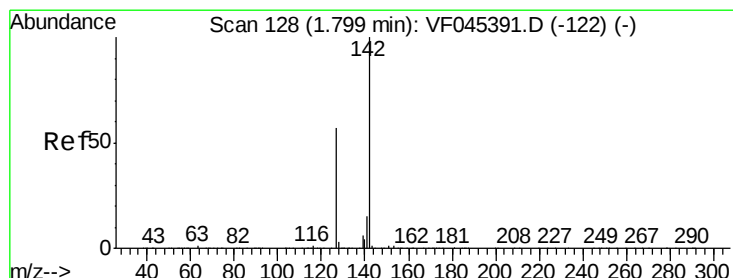
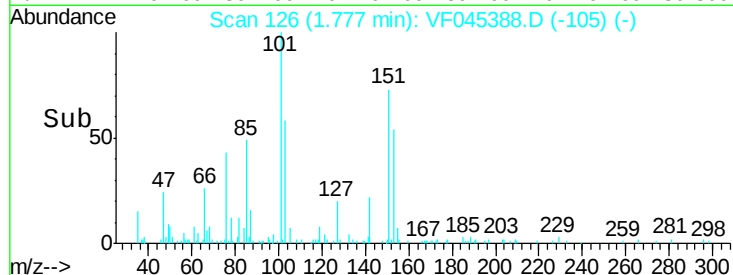
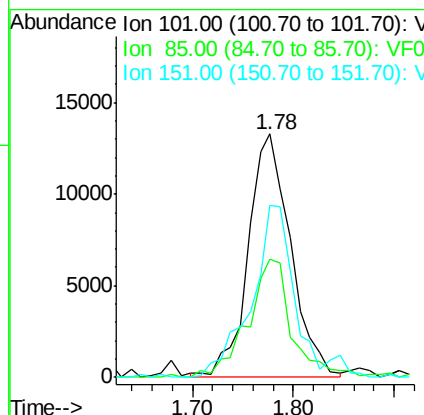
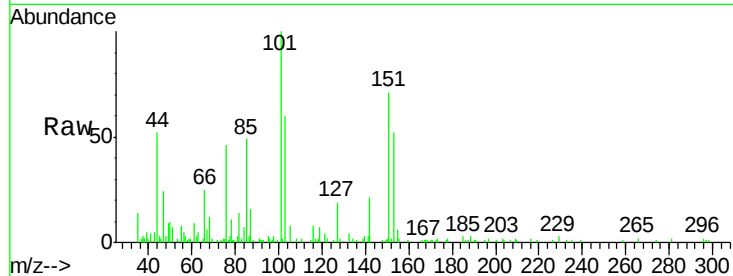
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	38882
Ion Ratio	Lower	Upper	
101	100		
85	48.7	40.0	60.0
151	70.8	62.8	94.2

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#10

Methyl Iodide

Concen: 5.11 ug/l

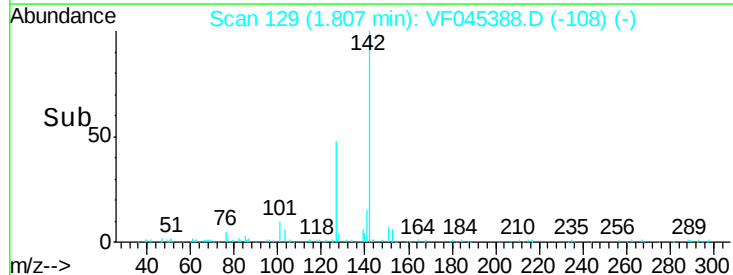
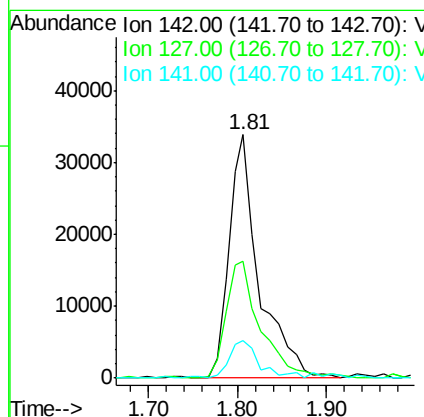
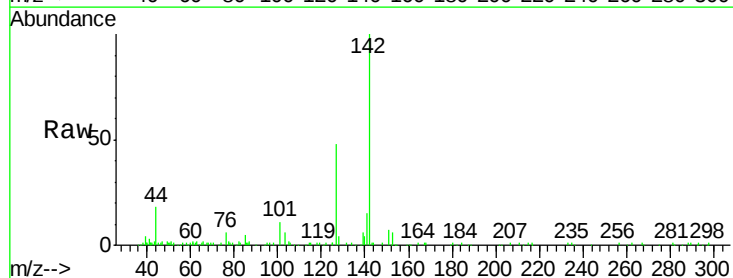
RT: 1.81 min Scan# 129

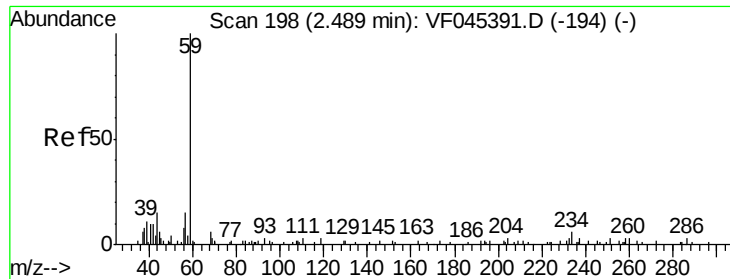
Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	142	Resp:	80193
Ion Ratio	Lower	Upper	
142	100		
127	47.9	43.3	64.9
141	15.2	12.1	18.1





#11

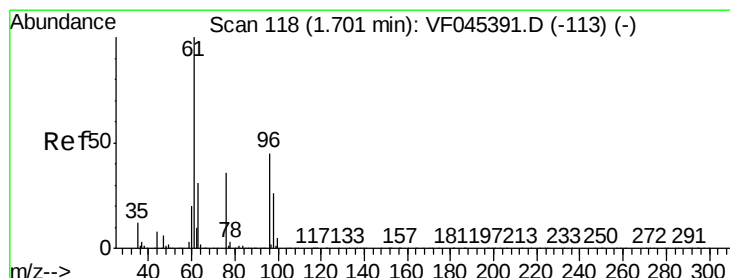
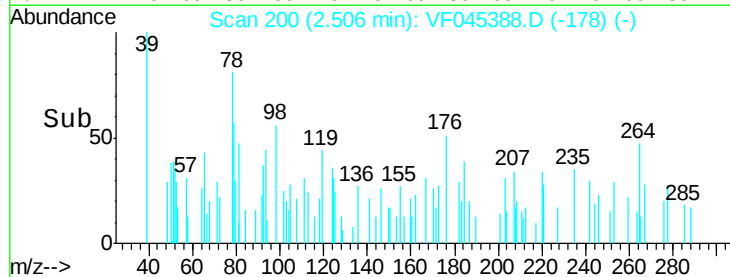
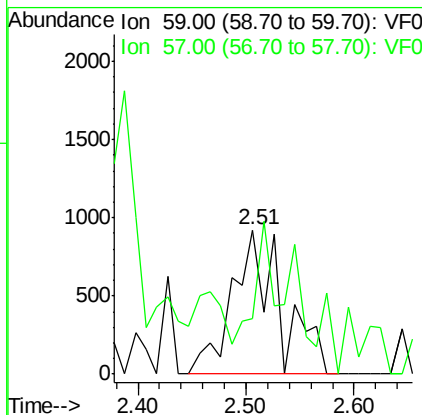
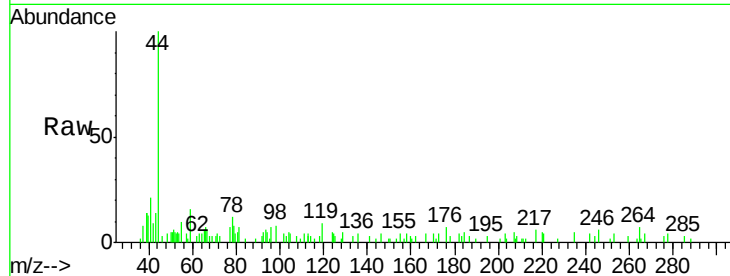
Tert butyl alcohol
Concen: 21.52 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 2872
Ion Ratio Lower Upper
59 100
57 38.8 8.6 13.0#

Manual Integrations
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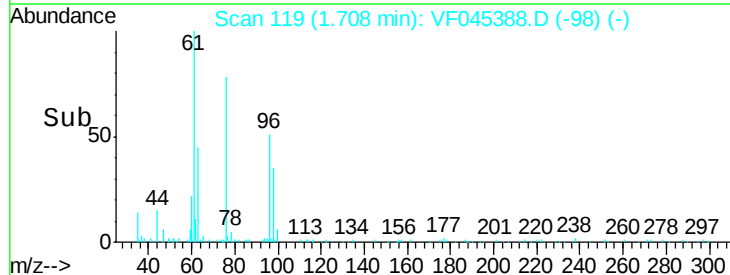
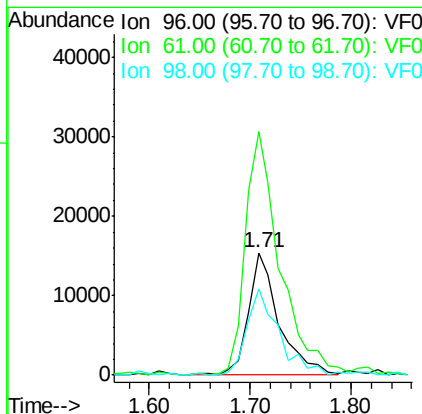
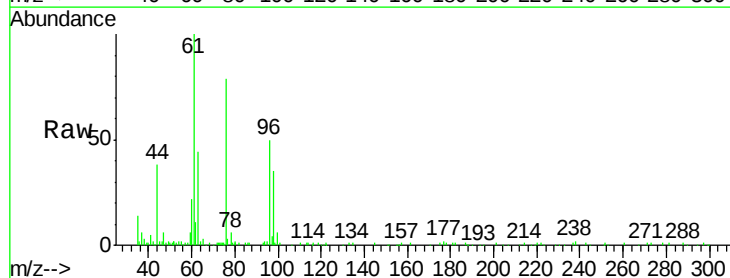
MMDadoda
9/17/2015 12:50:35 PM

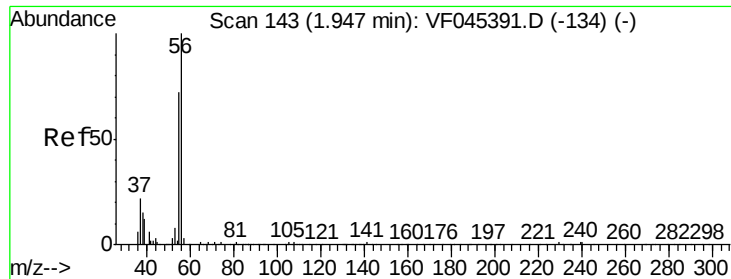


#12

1,1-Dichloroethene
Concen: 4.92 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion: 96 Resp: 32852
Ion Ratio Lower Upper
96 100
61 199.2 165.8 248.8
98 70.1 51.2 76.8





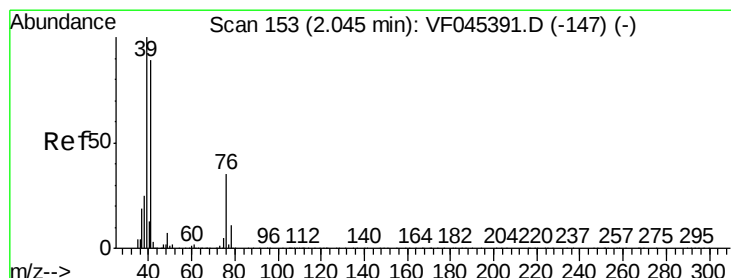
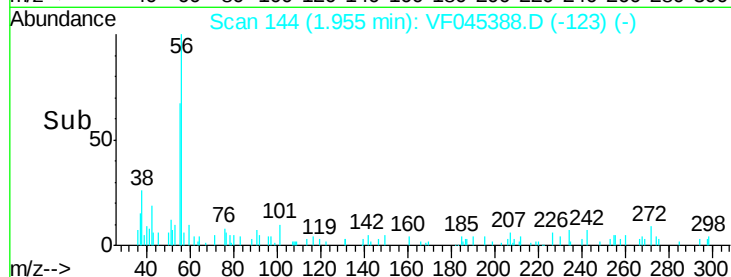
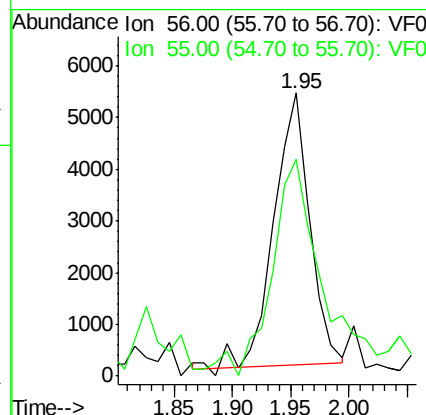
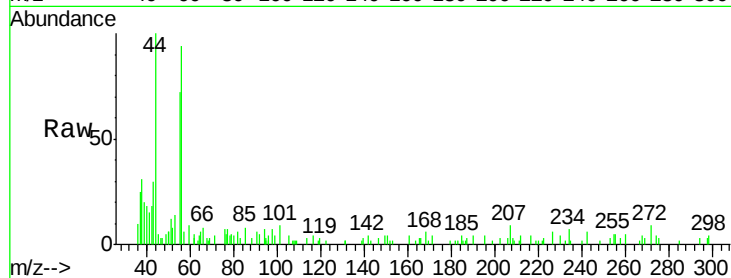
#13
Acrolein
Concen: 16.04 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 11175
Ion Ratio Lower Upper
56 100
55 76.4 60.5 90.7

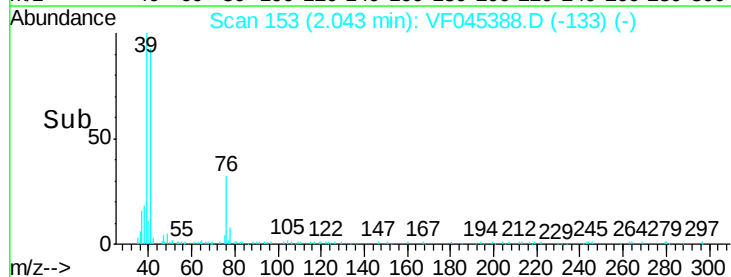
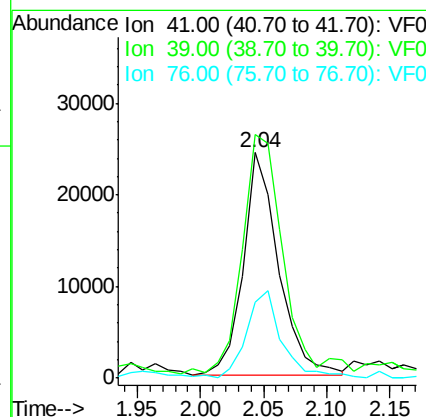
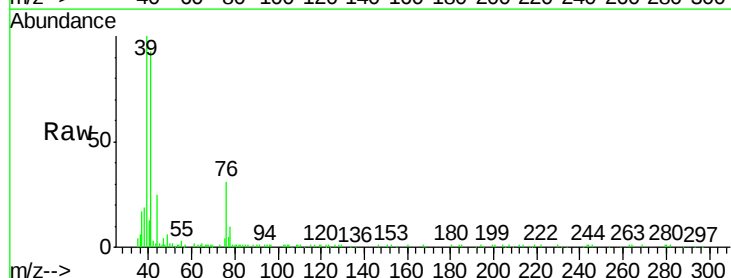
Manual Integrations
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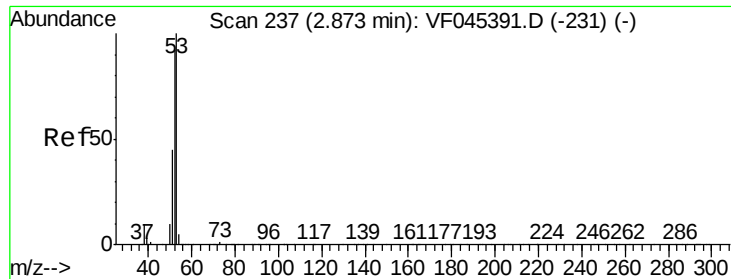
MMDadoda
9/17/2015 12:50:35 PM



#14
Allyl chloride
Concen: 3.79 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion: 41 Resp: 47235
Ion Ratio Lower Upper
41 100
39 108.0 92.8 139.2
76 33.9 27.7 41.5





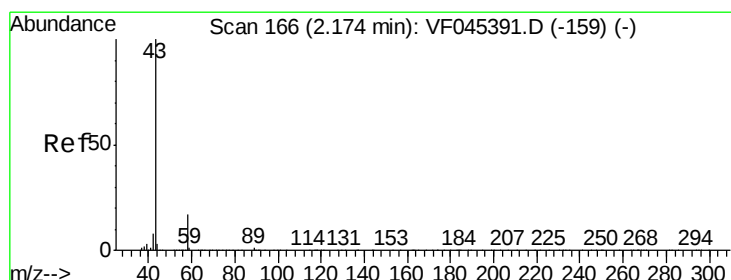
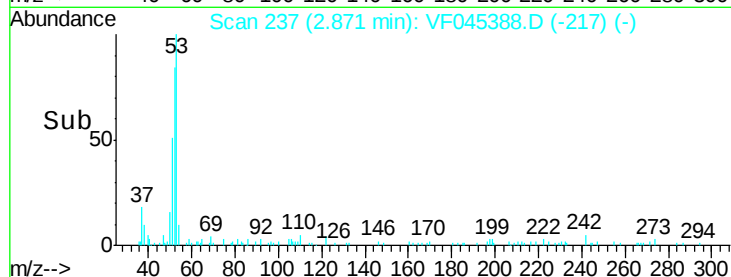
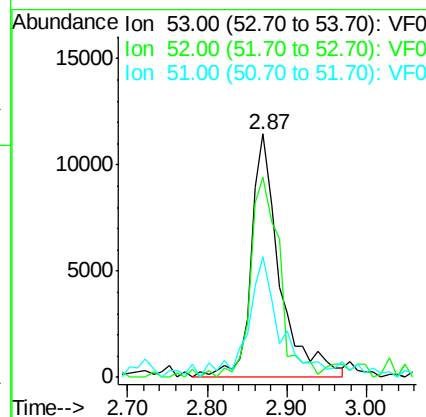
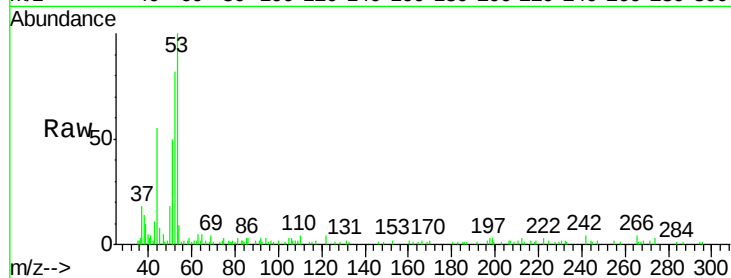
#15
 Acrylonitrile
 Concen: 17.33 ug/l
 RT: 2.87 min Scan# 237
 Delta R.T. -0.00 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	28042
Ion	Ratio	Lower	Upper
53	100		
52	82.3	72.7	109.1
51	49.8	42.2	63.2

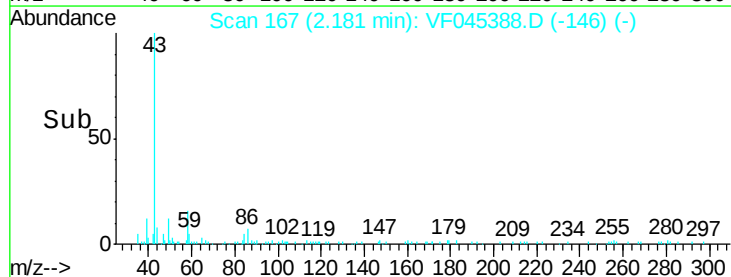
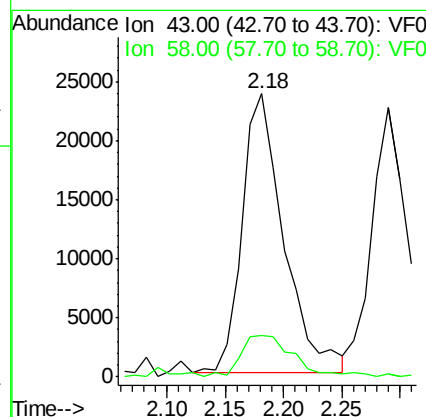
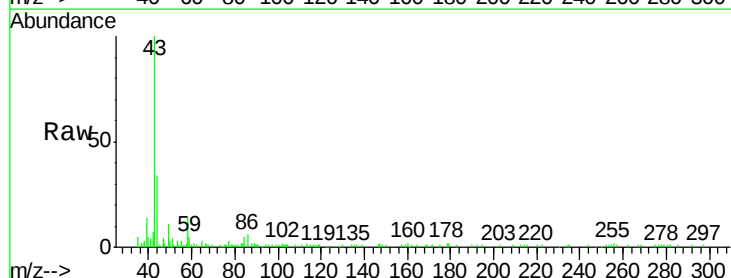
Manual Integrations
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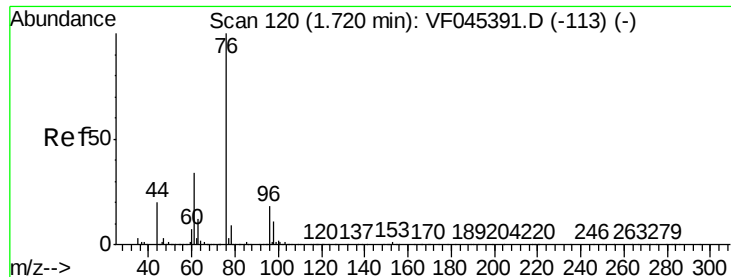
MMDadoda
 9/17/2015 12:50:35 PM



#16
 Acetone
 Concen: 20.16 ug/l
 RT: 2.18 min Scan# 167
 Delta R.T. 0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion:	43	Resp:	58055
Ion	Ratio	Lower	Upper
43	100		
58	14.5	13.9	20.9





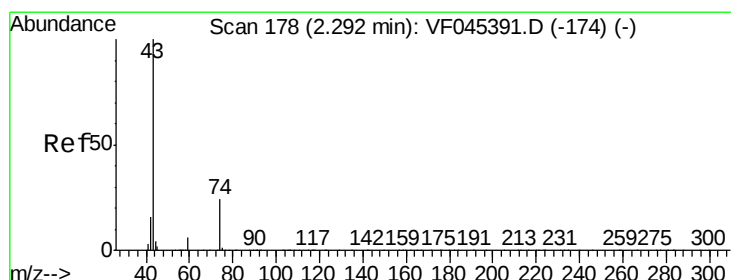
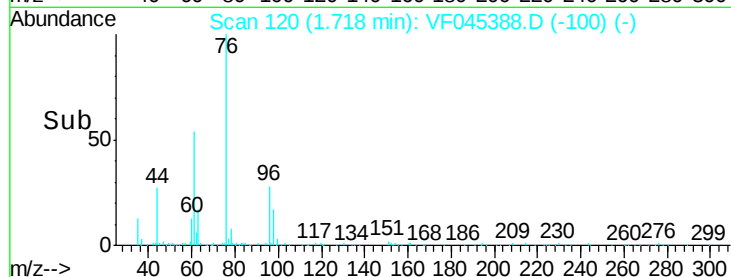
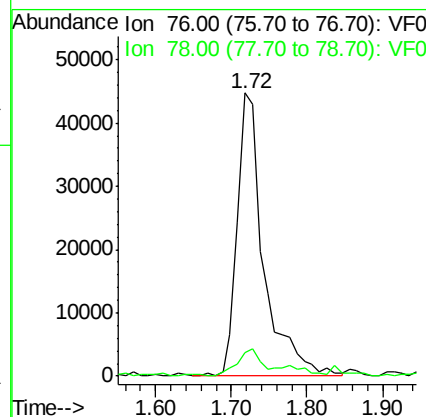
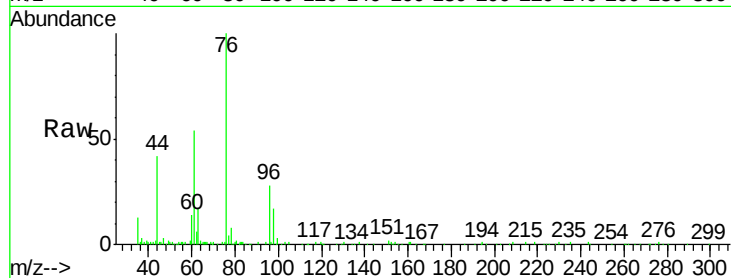
#17
Carbon Disulfide
Concen: 4.87 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.6	11.4

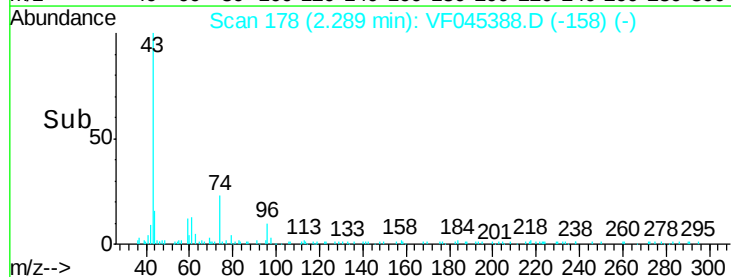
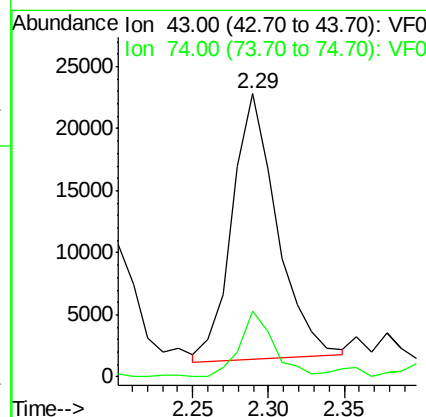
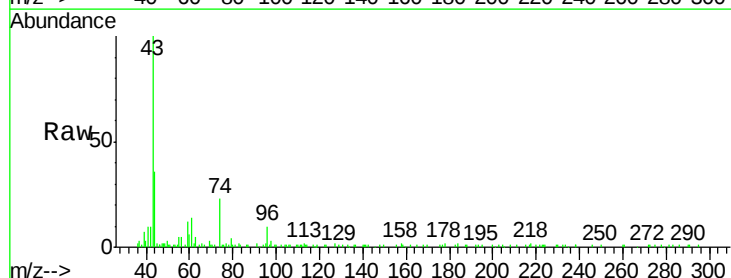
Manual Integrations
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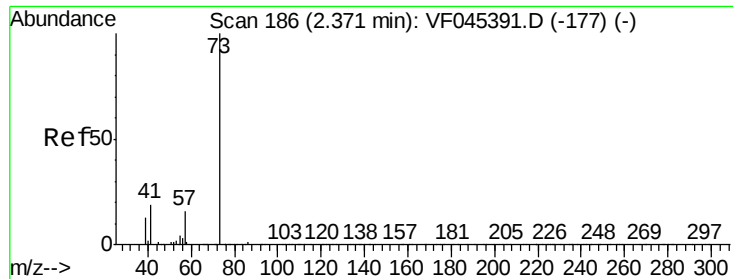
MMDadoda
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#18
Methyl Acetate
Concen: 3.34 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	15.1	22.7#





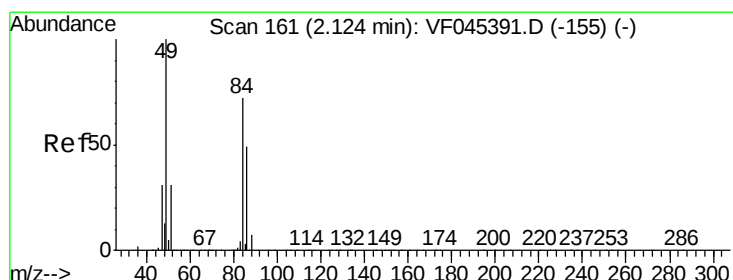
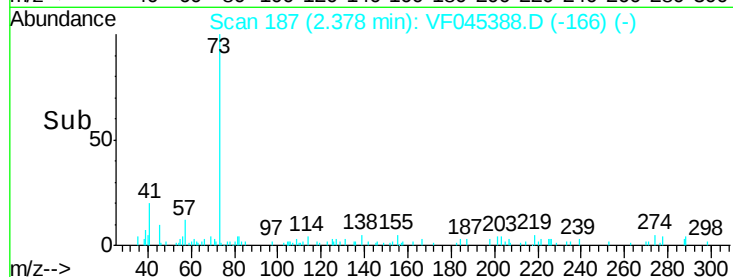
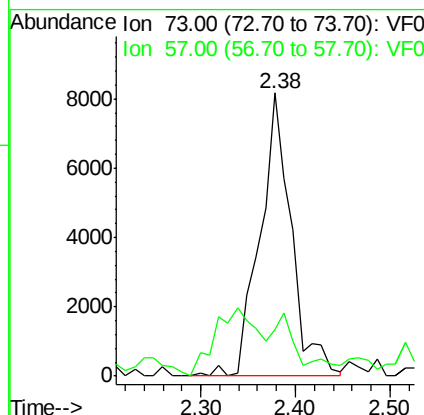
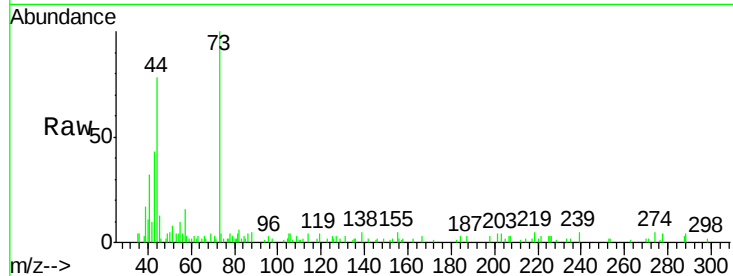
#19
Methvl tert-butvl Ether
Concen: 3.62 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	12.9	19.3

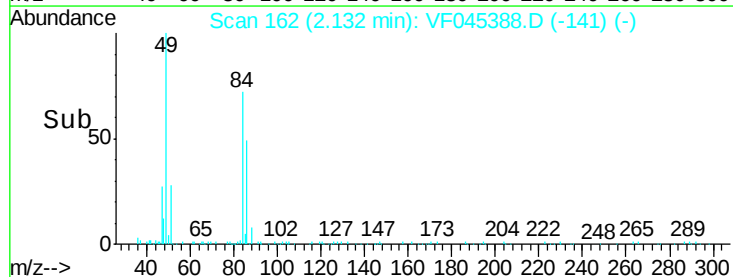
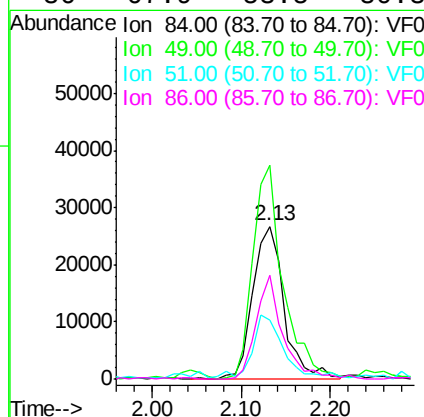
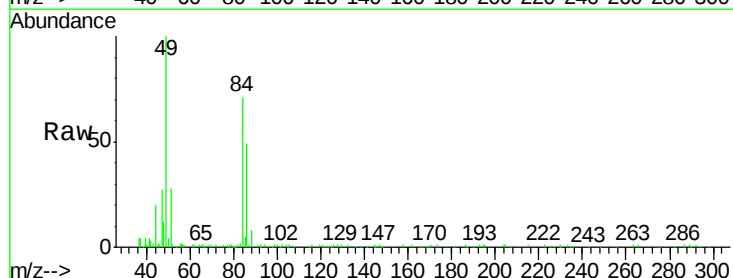
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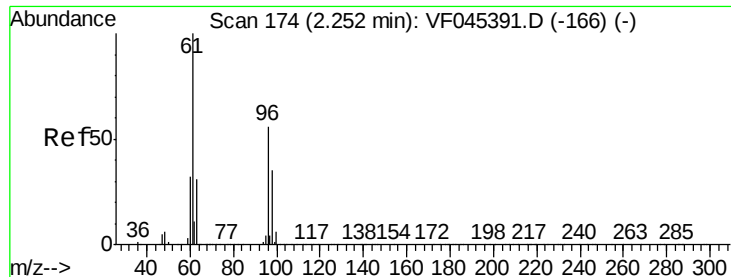
MMDadoda
9/17/2015 12:50:35 PM



#20
Methylene Chloride
Concen: 8.55 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.9	122.8	184.2
51	39.0	35.4	53.2
86	67.9	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 4.38 ug/l

RT: 2.25 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

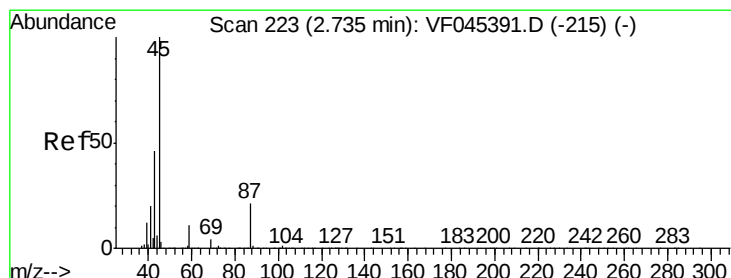
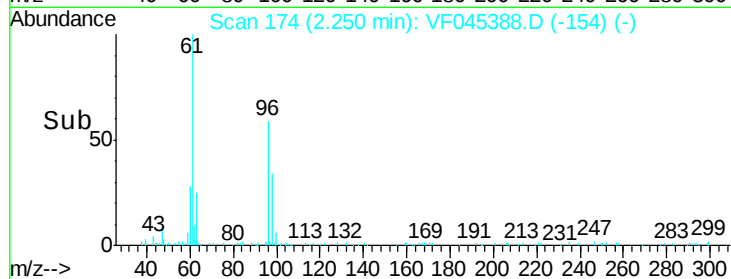
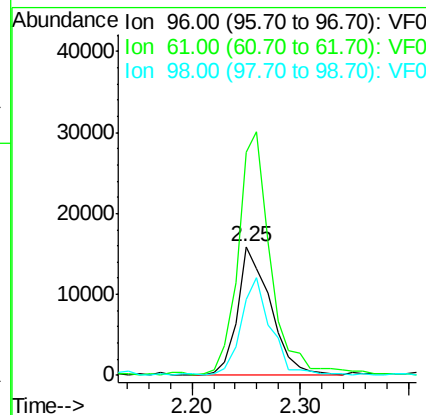
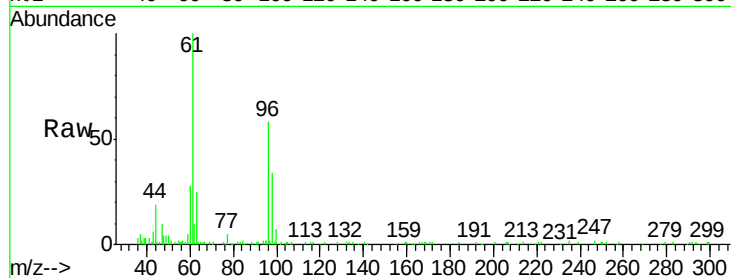
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	33912
Ion	Ratio	Lower	Upper
96	100		
61	173.8	136.8	205.2
98	58.7	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 3.96 ug/l

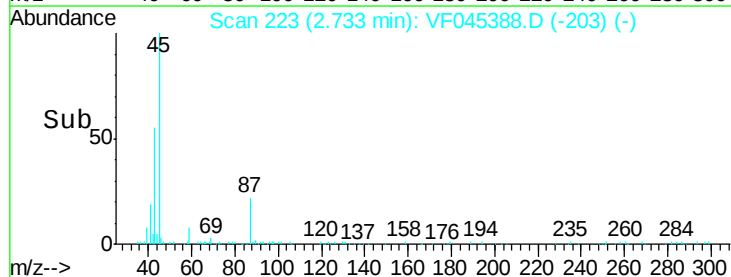
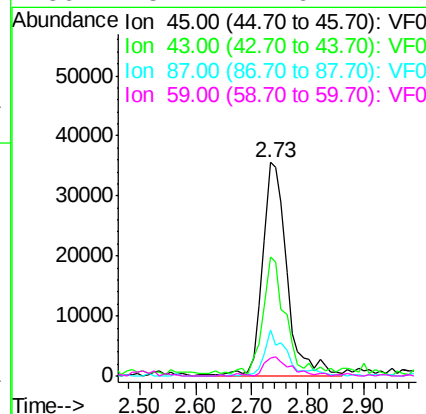
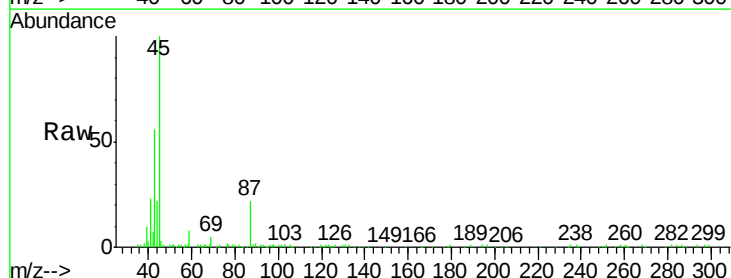
RT: 2.73 min Scan# 223

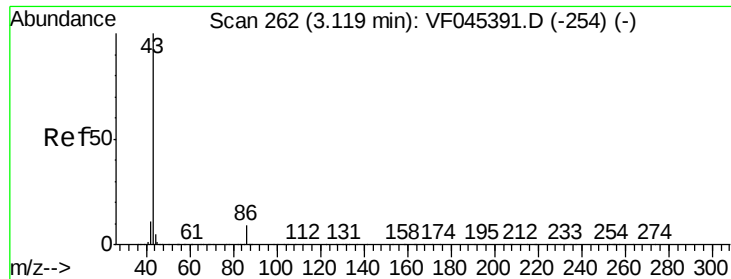
Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	45	Resp:	107959
Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.2	63.4
87	21.8	16.6	25.0
59	8.2	7.6	11.4





#23

Vinyl Acetate

Concen: 17.85 ug/l

RT: 3.12 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 148636

Ion Ratio Lower Upper

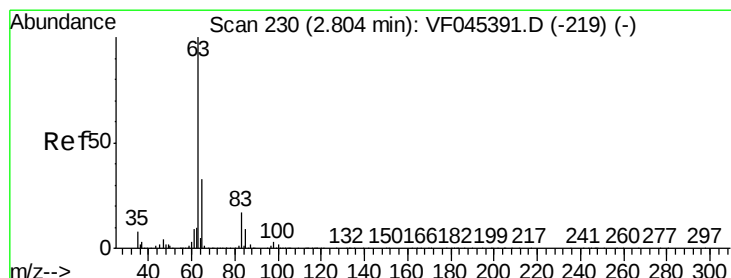
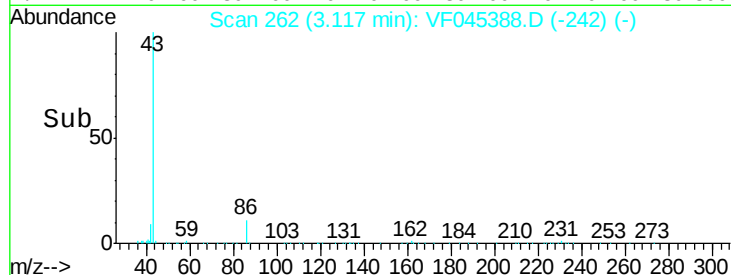
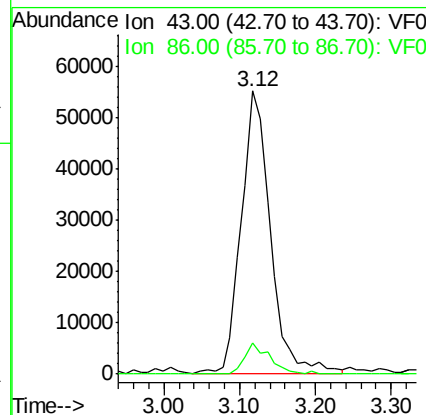
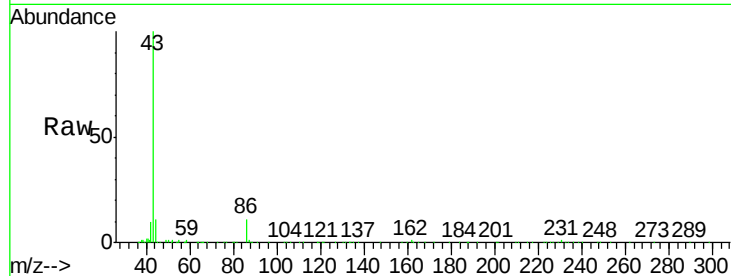
43 100

86 11.0 6.3 9.5#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 4.50 ug/l

RT: 2.81 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

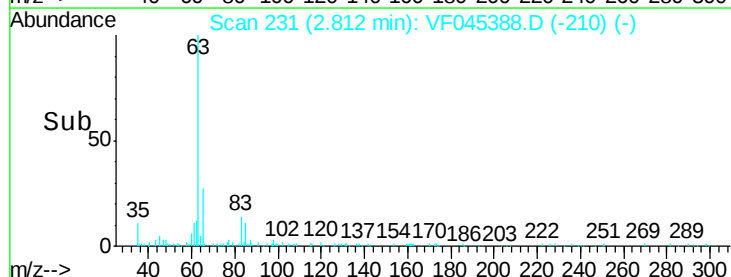
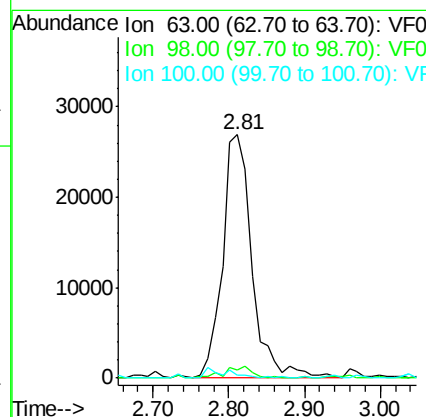
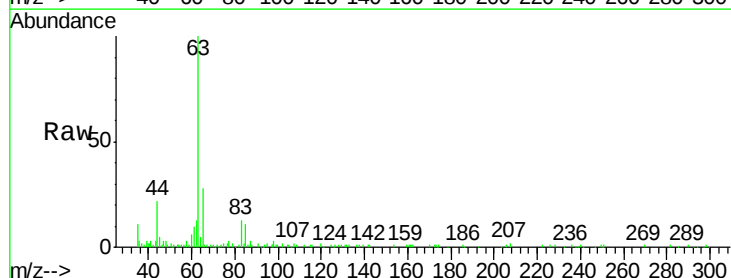
Tgt Ion: 63 Resp: 73061

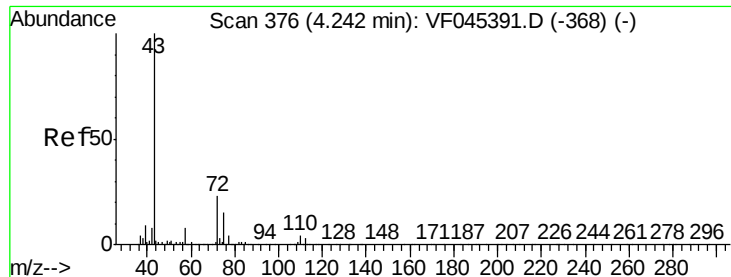
Ion Ratio Lower Upper

63 100

98 3.3 2.2 6.6

100 1.0 1.1 3.5#





#25

2-Butanone

Concen: 17.48 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tot Ion: 43 Resp: 86306

Ion Ratio Lower Upper

43 100

72 25.5 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

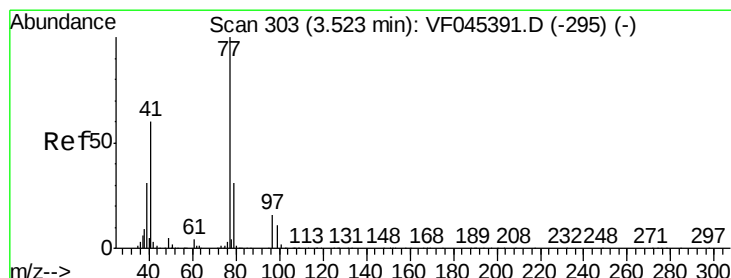
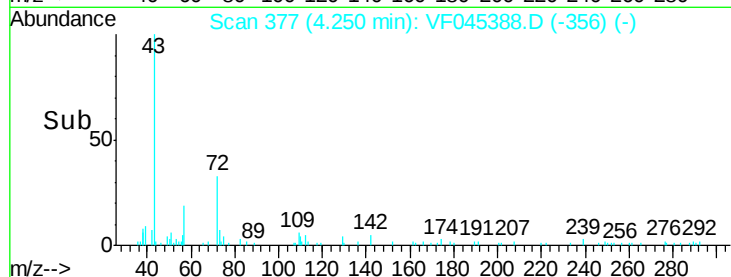
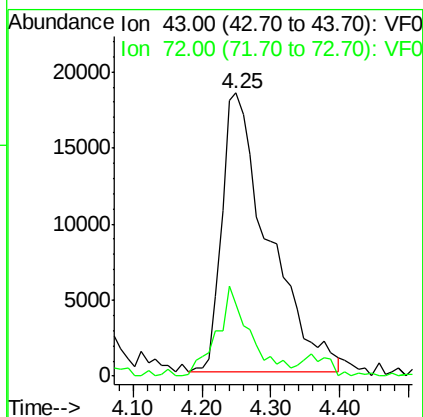
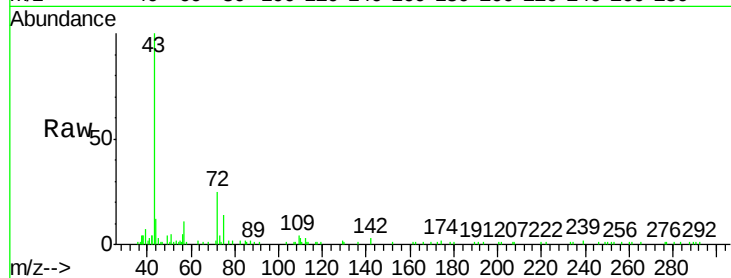
VSTDIC005

Manual Integrations

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9/17/2015 12:50:35 PM



#26

2,2-Dichloropropane

Concen: 4.75 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF045388.D

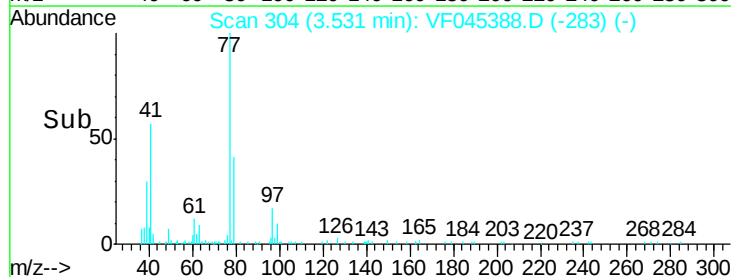
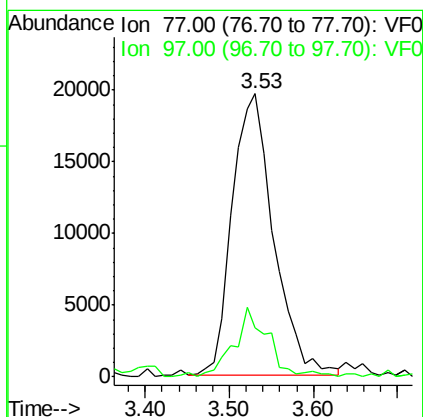
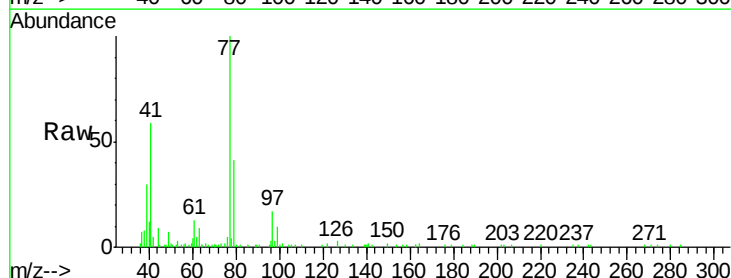
Acq: 16 Sep 2015 13:15

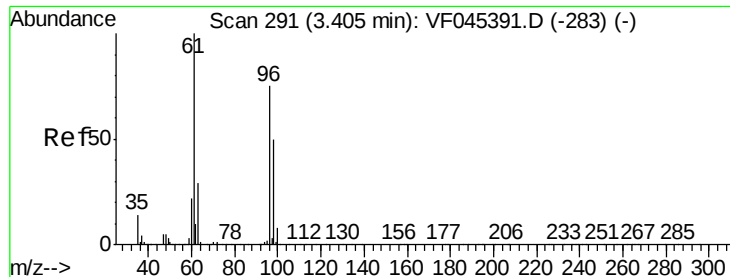
Tgt Ion: 77 Resp: 67141

Ion Ratio Lower Upper

77 100

97 17.3 9.2 27.4





#27

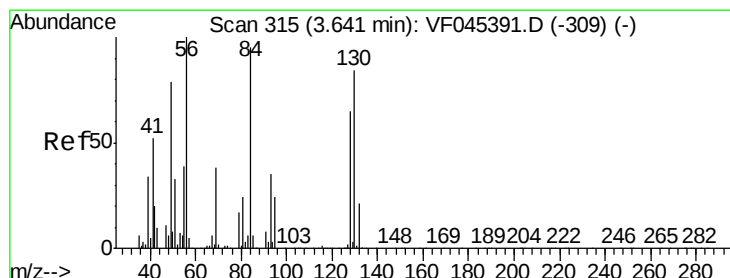
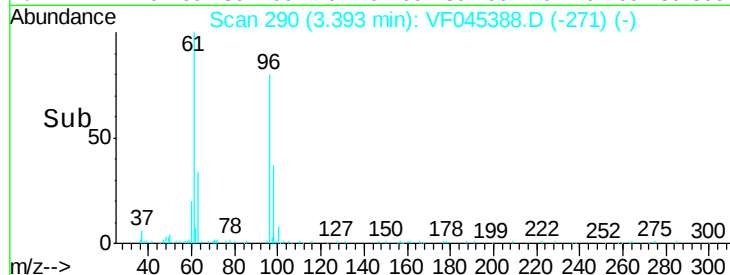
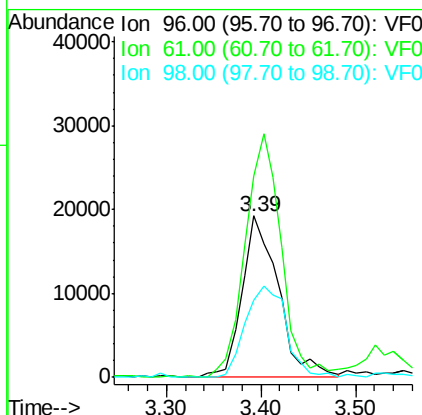
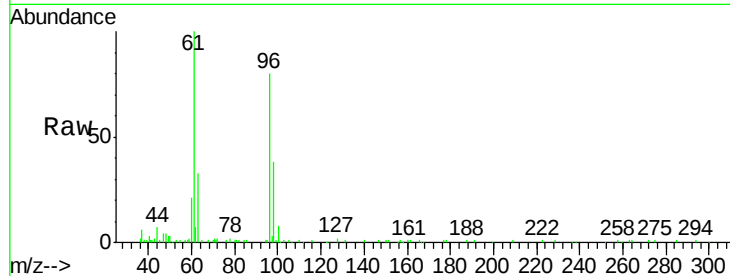
cis-1,2-Dichloroethene
Concen: 4.20 ug/l
RT: 3.39 min Scan# 290
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	268.6
98	47.5	0.0	135.8

Manual Integrations
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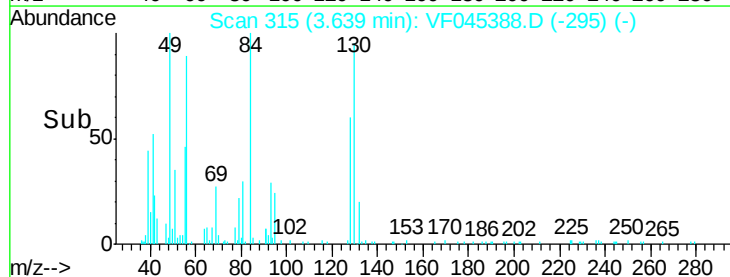
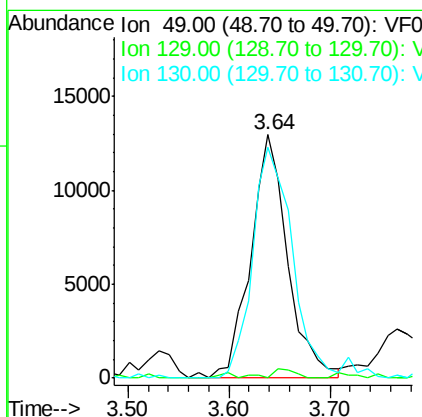
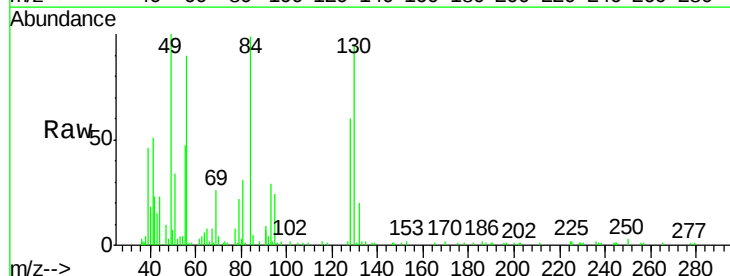
MMDadoda
9/17/2015 12:50:35 PM

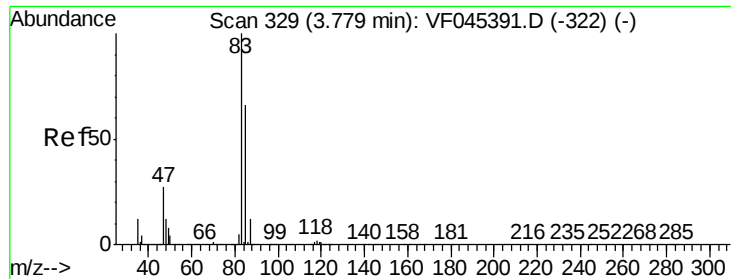


#28

Bromochloromethane
Concen: 3.91 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	94.7	79.6	119.4





#29

Chloroform

Concen: 4.68 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 100724

Ion Ratio Lower Upper

83 100

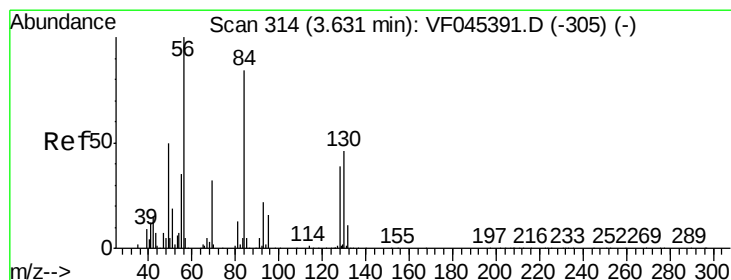
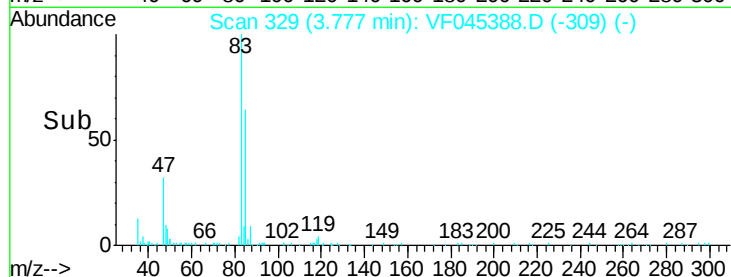
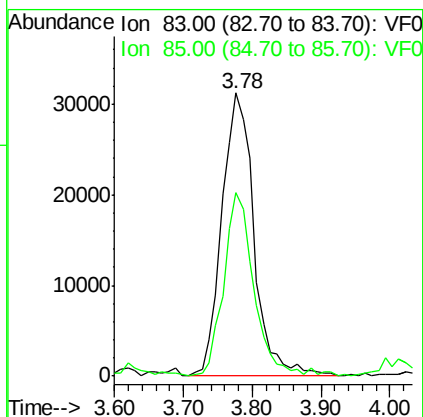
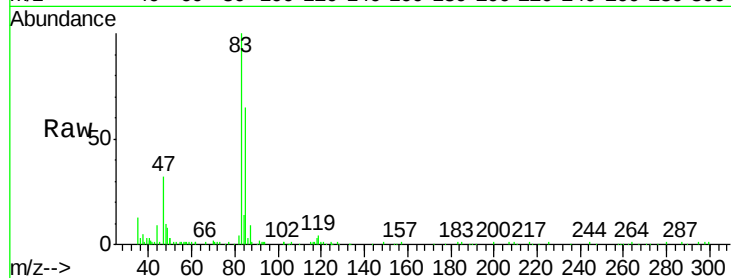
85 64.7 51.6 77.4

Manual Integrations

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#30

Cyclohexane

Concen: 3.97 ug/l

RT: 3.61 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

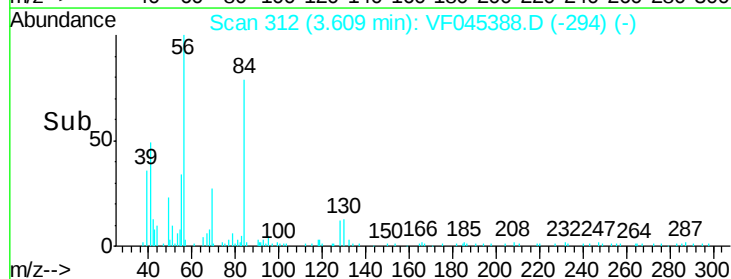
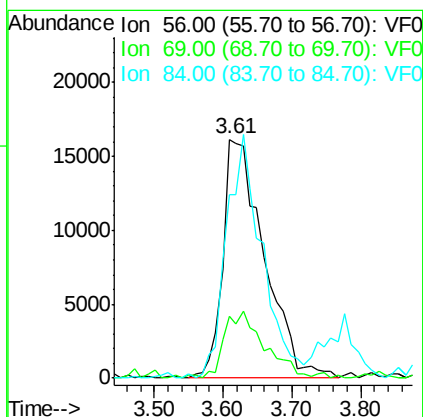
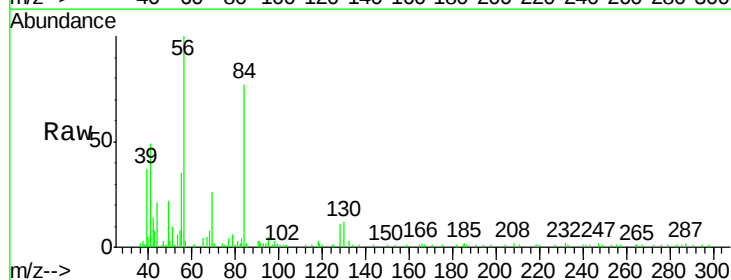
Tgt Ion: 56 Resp: 67395

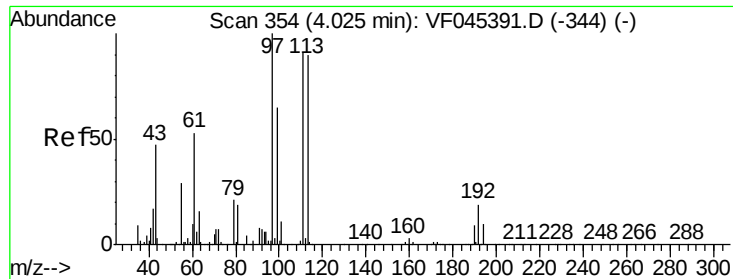
Ion Ratio Lower Upper

56 100

69 26.1 26.1 39.1#

84 77.0 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 4.99 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

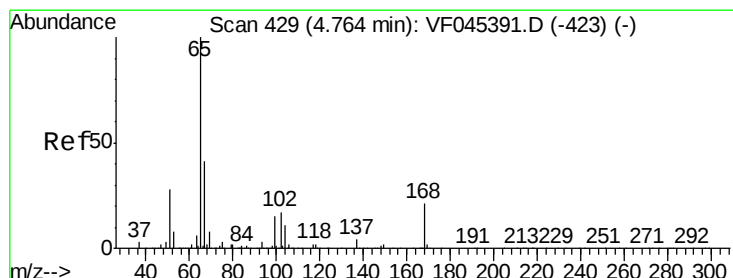
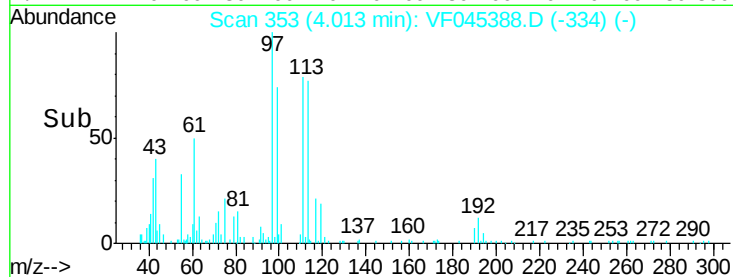
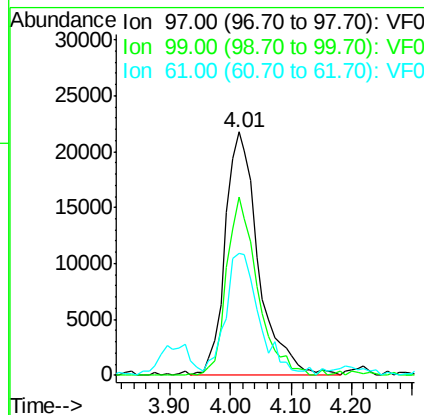
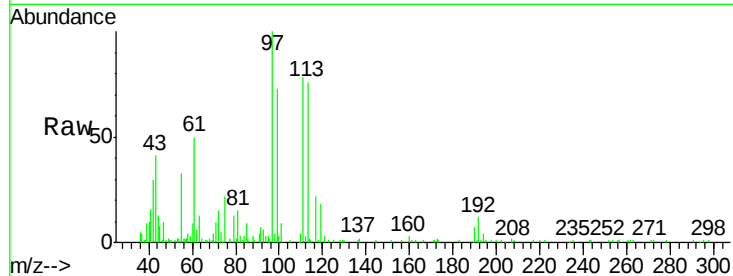
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	83341
Ion	Ratio	Lower	Upper
97	100		
99	73.2	51.1	76.7
61	50.1	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 4.89 ug/l

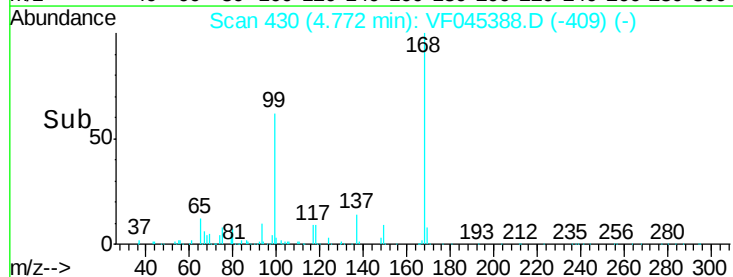
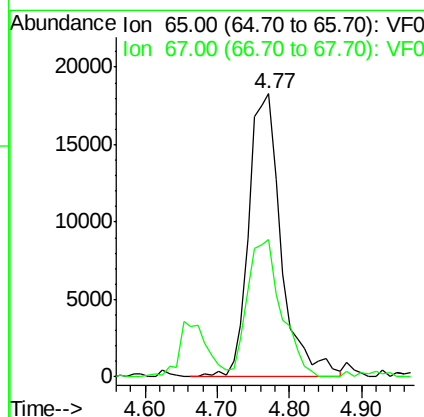
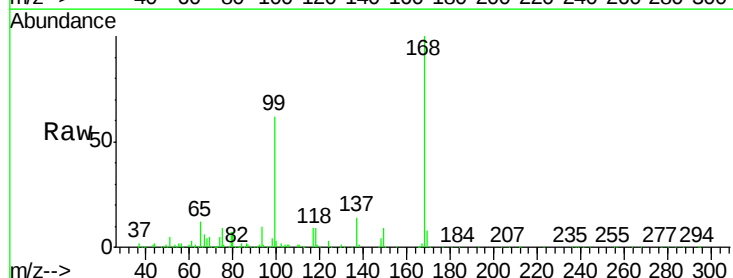
RT: 4.77 min Scan# 430

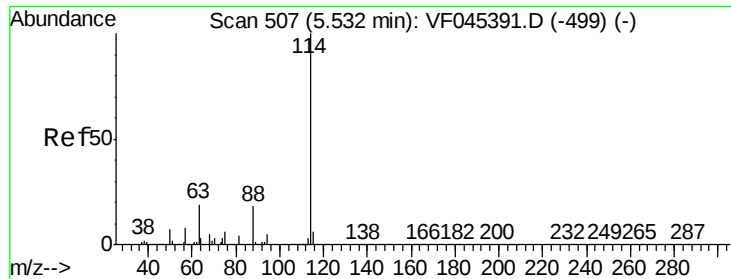
Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	65	Resp:	57621
Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	102.2





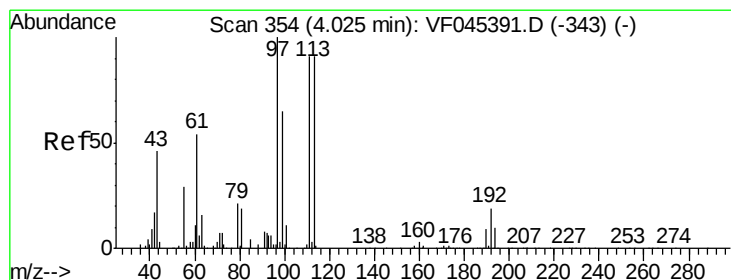
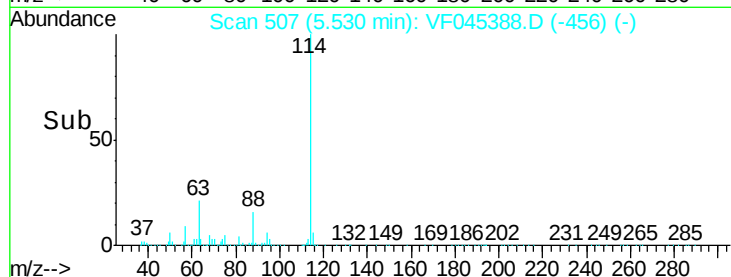
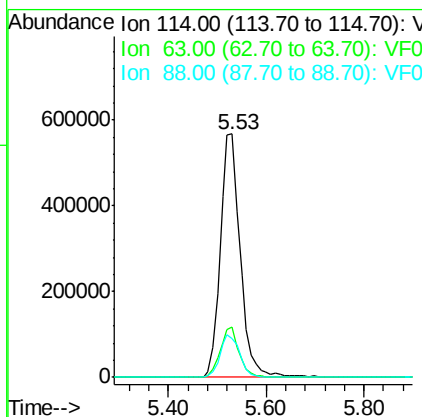
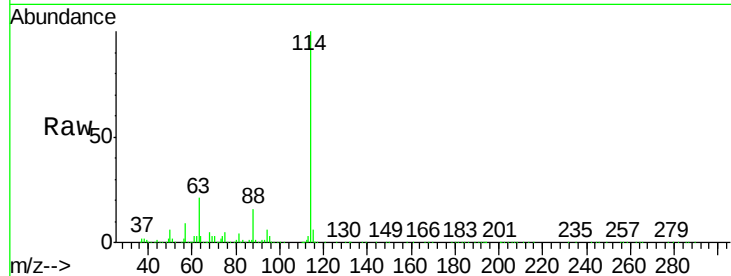
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	39.2
88	15.8	0.0	37.0

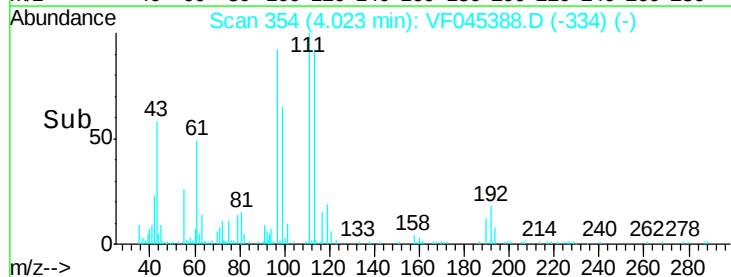
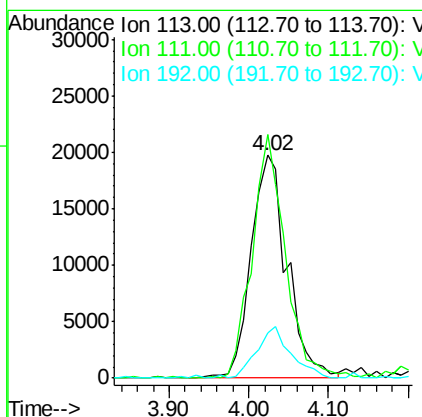
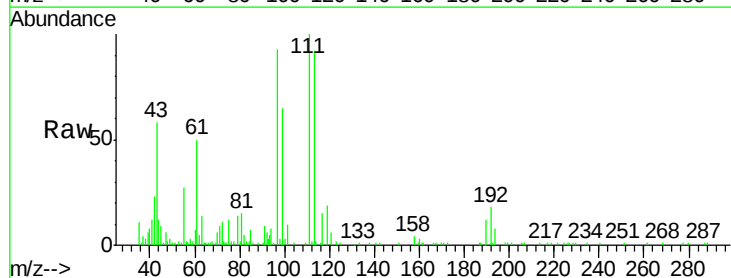
Manual Integrations
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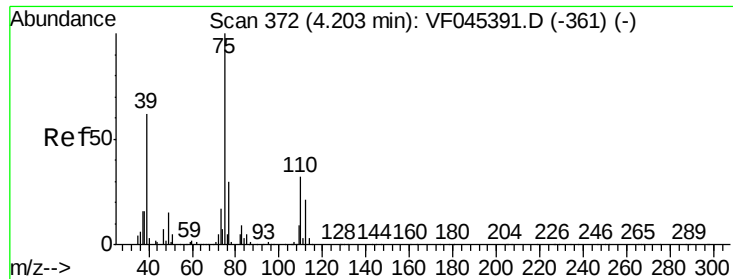
MMDadoda
 9/17/2015 12:50:35 PM



#34
 Dibromofluoromethane
 Concen: 4.94 ug/l
 RT: 4.02 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	109.2	75.5	113.3
192	20.5	15.6	23.4





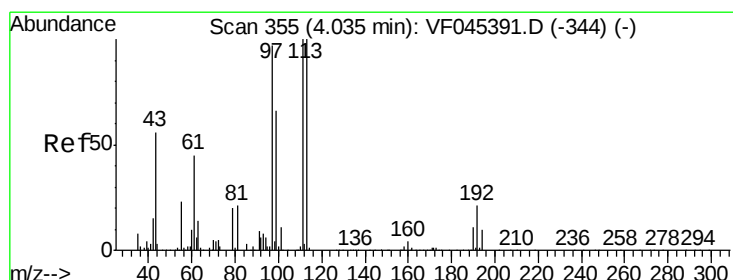
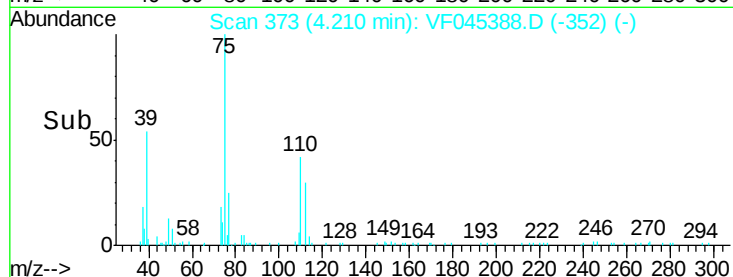
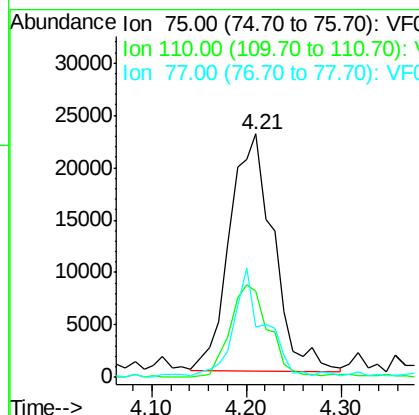
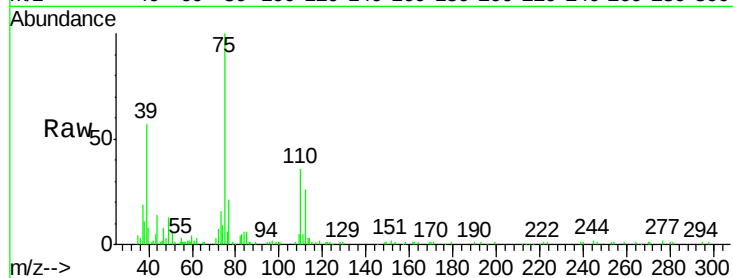
#35
 1,1-Dichloropropene
 Concen: 4.69 ug/l
 RT: 4.21 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	15.9	47.6
77	20.9	24.2	36.4#

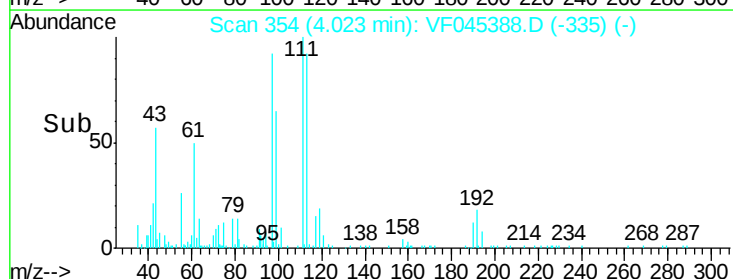
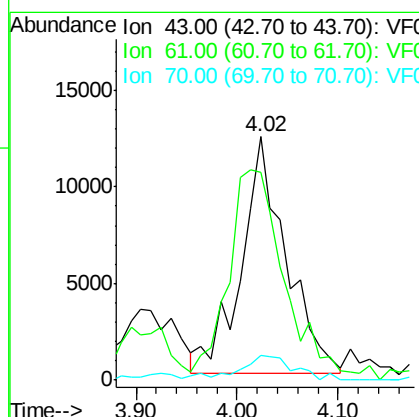
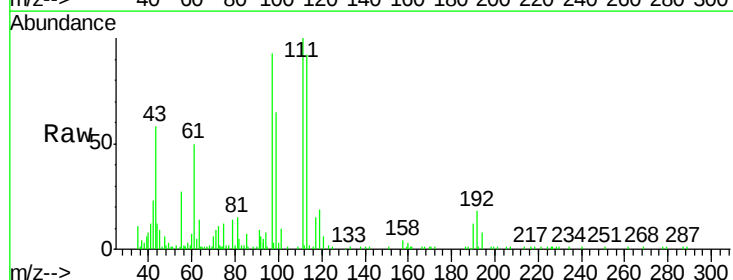
Manual Integrations
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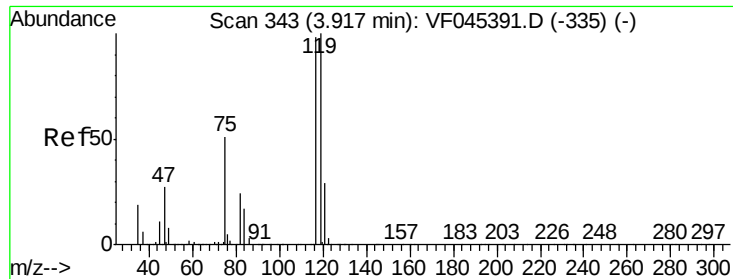
MMDadoda
 9/17/2015 12:50:35 PM



#36
 Ethyl Acetate
 Concen: 4.10 ug/l
 RT: 4.02 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	85.4	49.4	74.0#
70	10.1	10.8	16.2#





#37

Carbon Tetrachloride

Concen: 5.79 ug/l

RT: 3.91 min Scan# 343

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

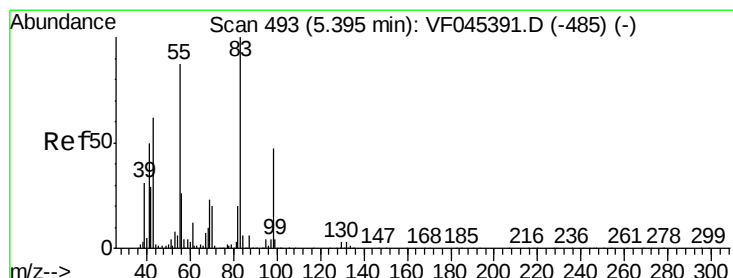
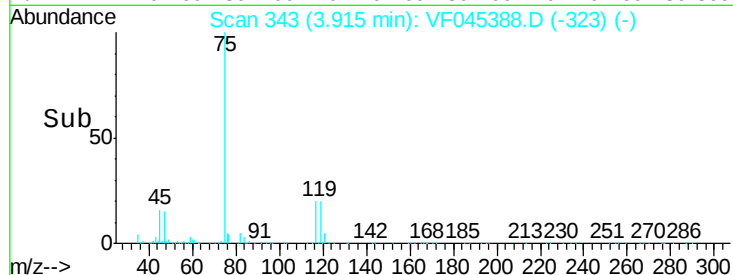
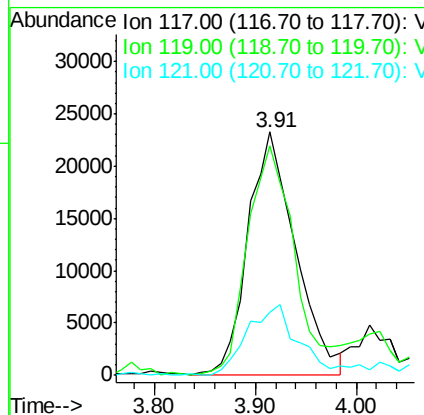
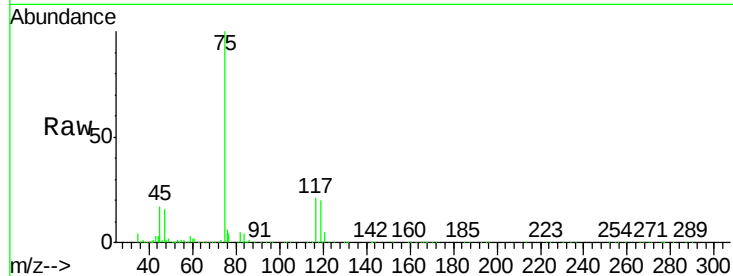
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	76600
Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.8	116.8
121	26.1	25.4	38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 5.14 ug/l

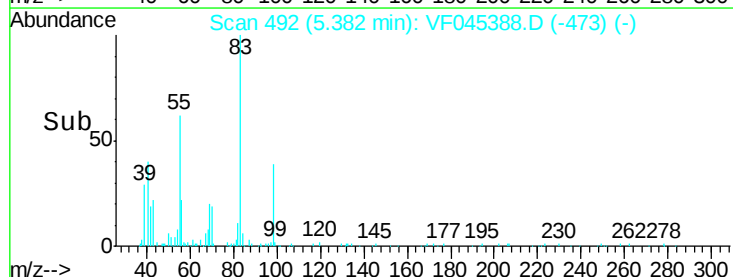
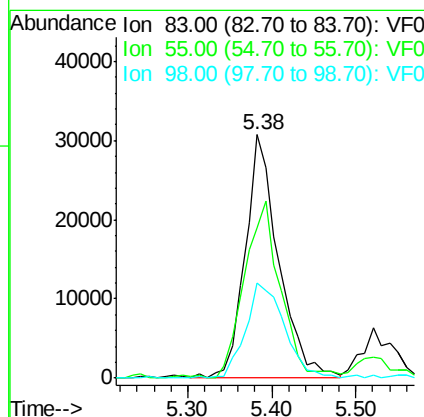
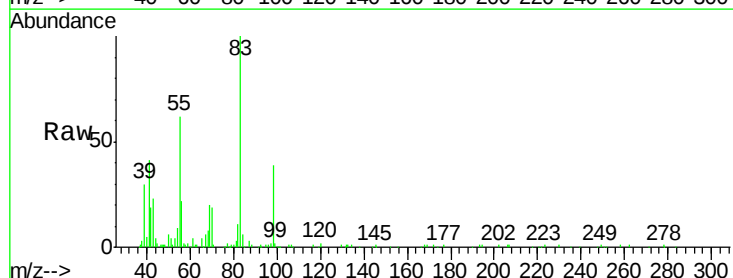
RT: 5.38 min Scan# 492

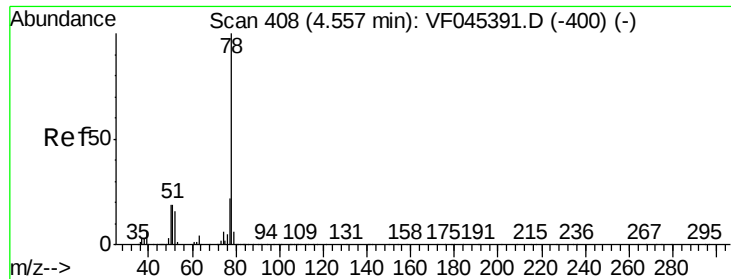
Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	83	Resp:	85461
Ion	Ratio	Lower	Upper
83	100		
55	61.8	60.5	90.7
98	39.3	38.1	57.1





#39

Benzene

Concen: 4.44 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 171637

Ion Ratio Lower Upper

78 100

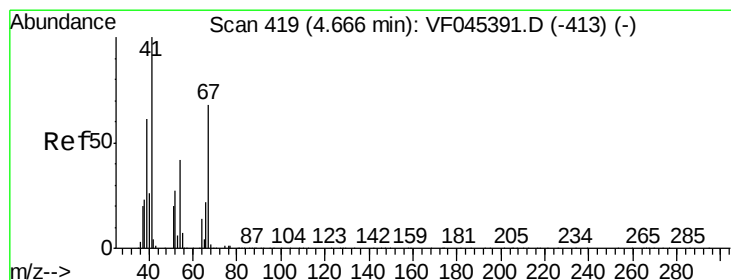
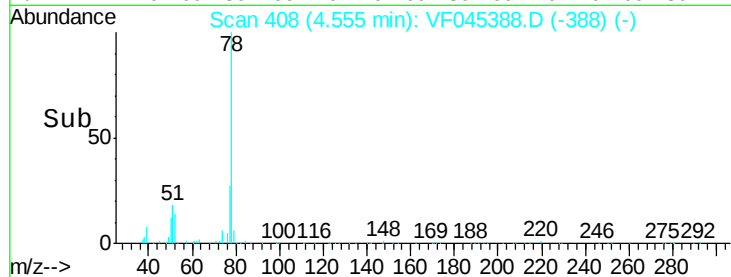
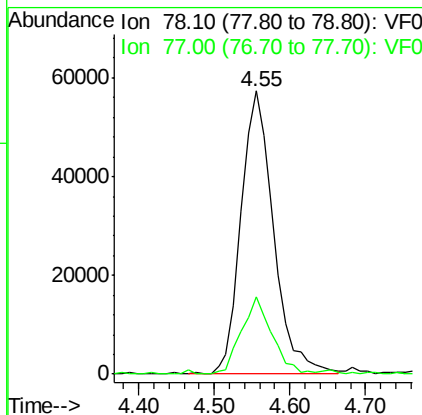
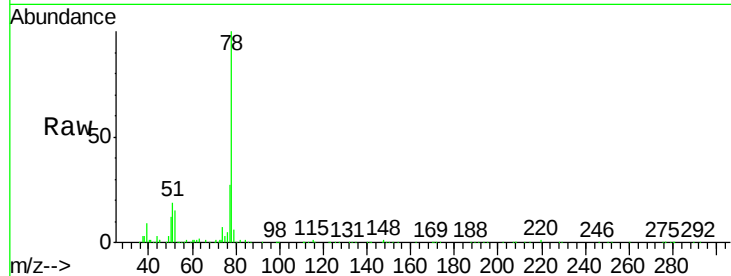
77 27.4 18.6 28.0

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#40

Methacrylonitrile

Concen: 4.19 ug/l

RT: 4.66 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion: 41 Resp: 18345

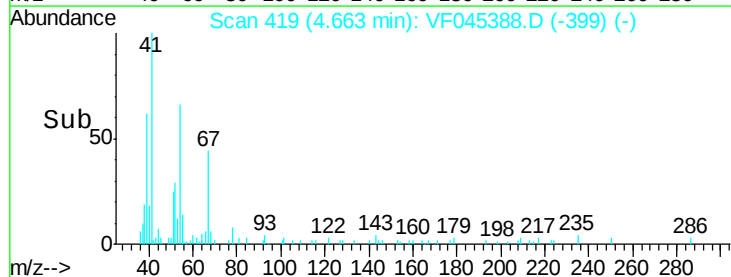
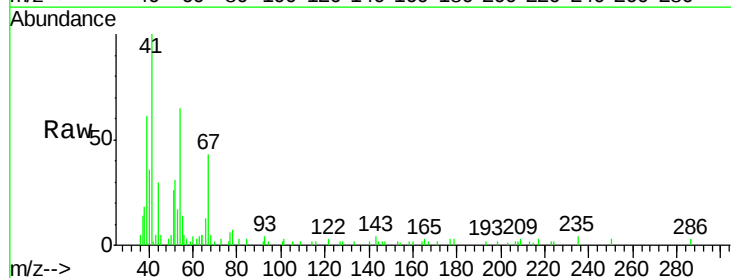
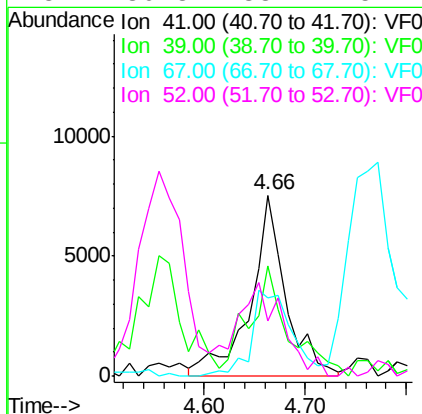
Ion Ratio Lower Upper

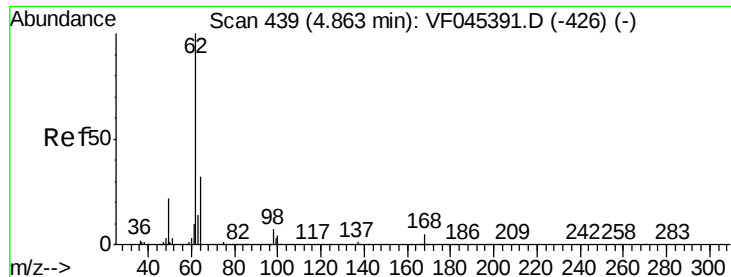
41 100

39 61.0 44.9 67.3

67 43.3 49.0 73.4#

52 30.8 38.2 57.2#





#41

1,2-Dichloroethane

Concen: 5.28 ug/l

RT: 4.86 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 62 Resp: 68518

Ion Ratio Lower Upper

62 100

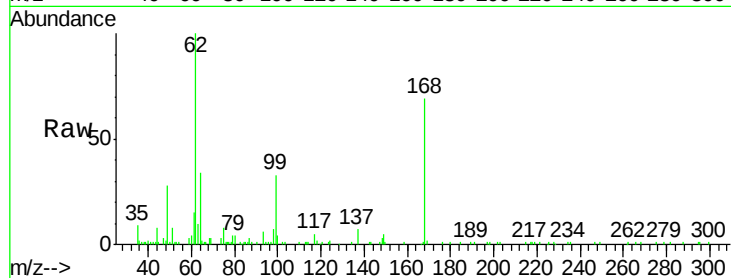
98 6.7 0.0 17.0

Manual Integrations

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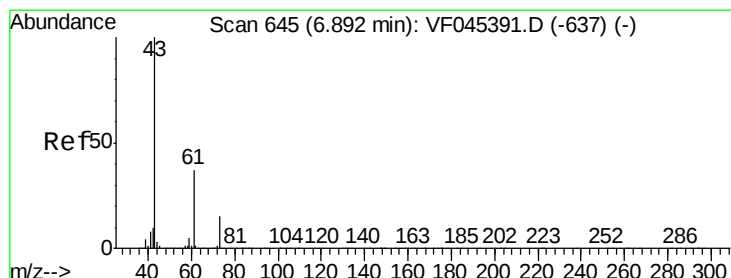
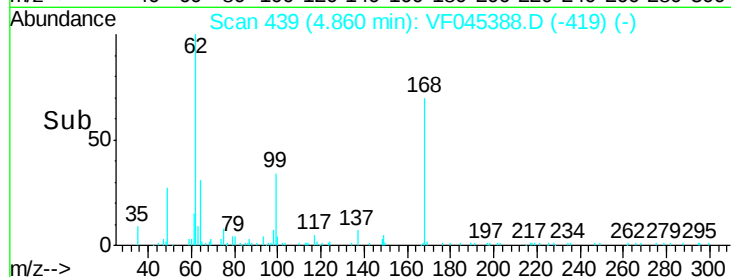
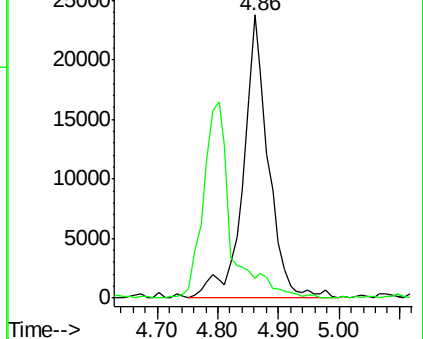
MMDadoda

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Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#42

Isopropyl Acetate

Concen: 3.34 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

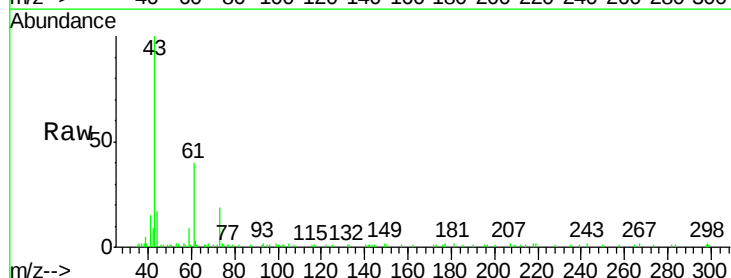
Tgt Ion: 43 Resp: 41808

Ion Ratio Lower Upper

43 100

61 40.1 29.8 44.6

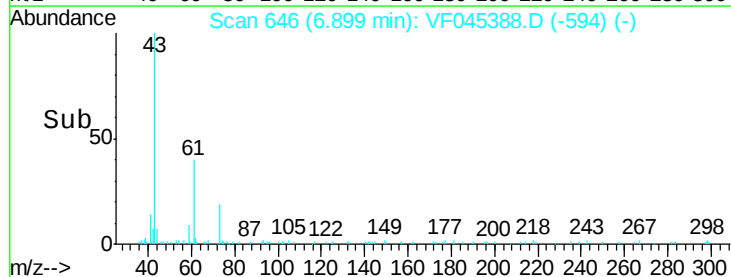
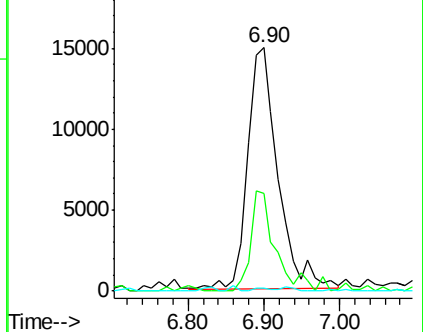
87 1.1 0.2 0.2#

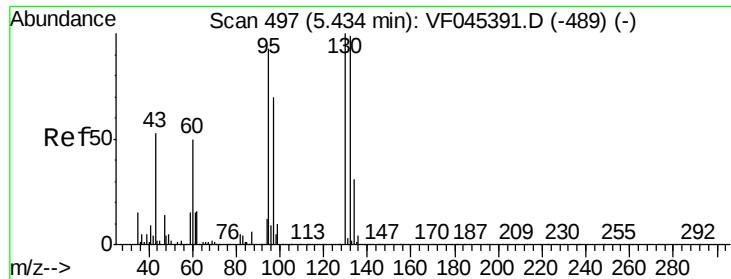


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#43

Trichloroethene

Concen: 5.35 ug/l

RT: 5.43 min Scan# 497

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 59317

Ion Ratio Lower Upper

130 100

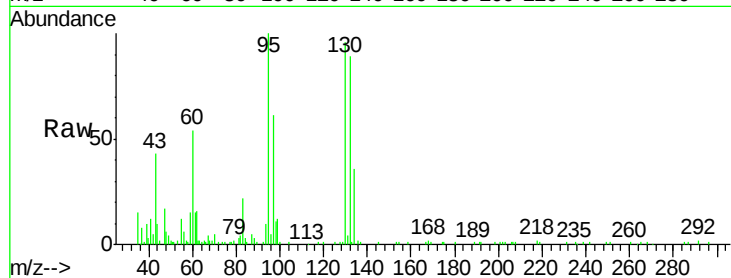
95 104.3 0.0 192.2

Manual Integrations

APPROVED

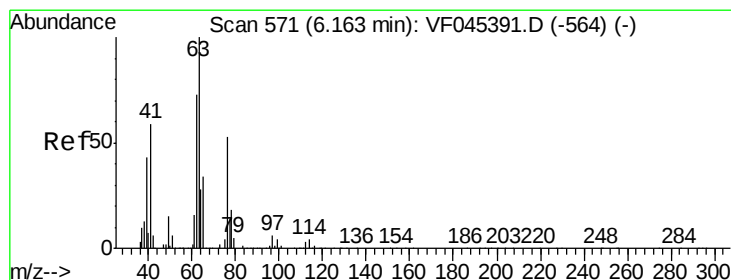
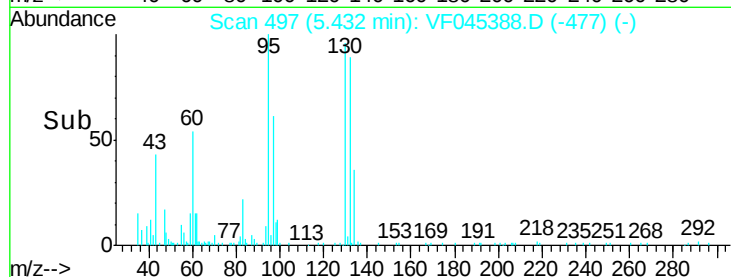
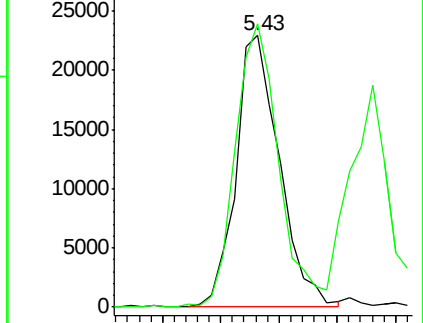
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#44

1,2-Dichloropropane

Concen: 3.95 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045388.D

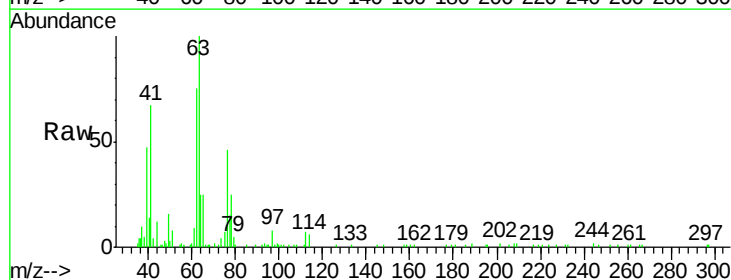
Acq: 16 Sep 2015 13:15

Tgt Ion: 63 Resp: 45935

Ion Ratio Lower Upper

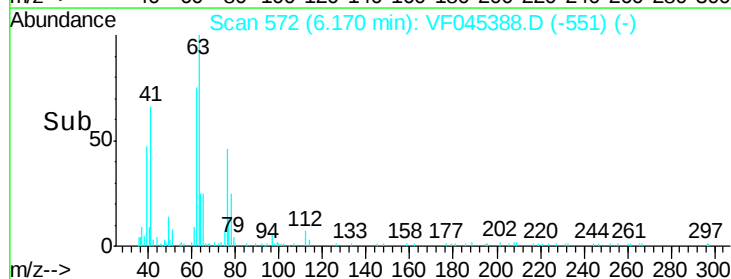
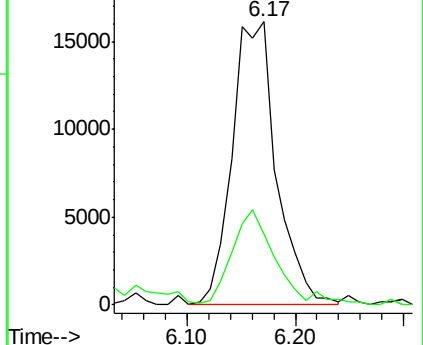
63 100

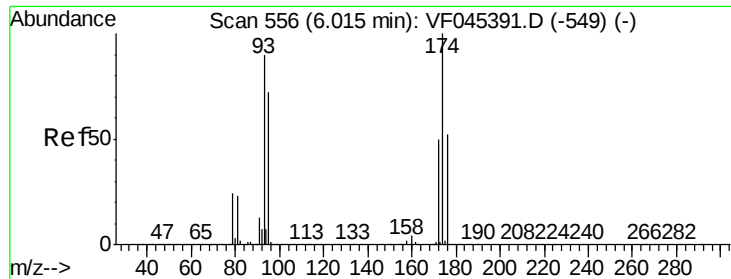
65 25.0 25.6 38.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#45

Dibromomethane

Concen: 4.58 ug/l

RT: 6.00 min Scan# 555

Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

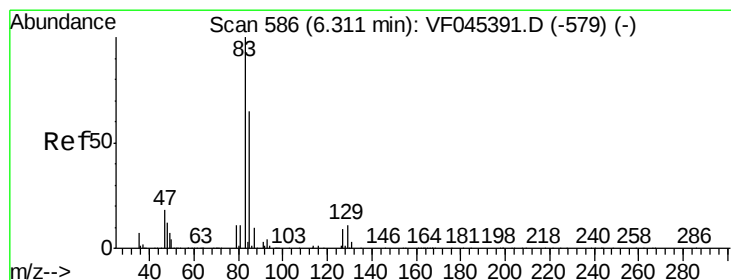
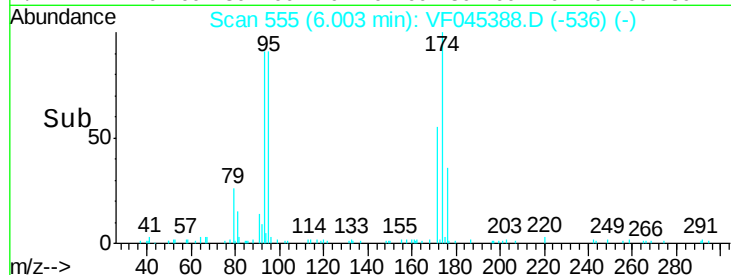
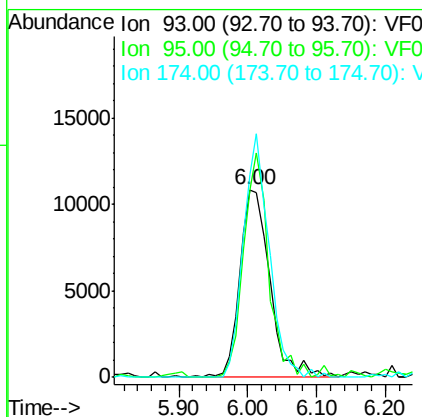
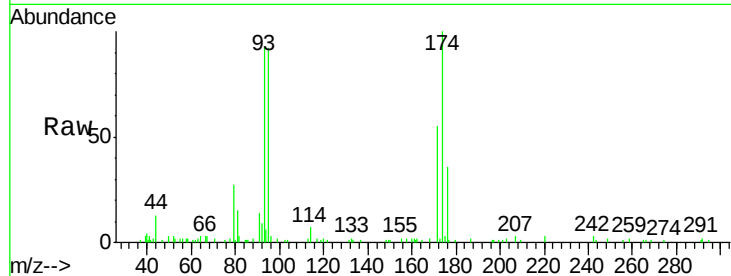
ClientSampleId :

VSTDIC005

Tot Ion:	93	Resp:	33138
Ion Ratio	Lower	Upper	
93	100		
95	99.9	69.8	104.6
174	108.1	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 4.85 ug/l

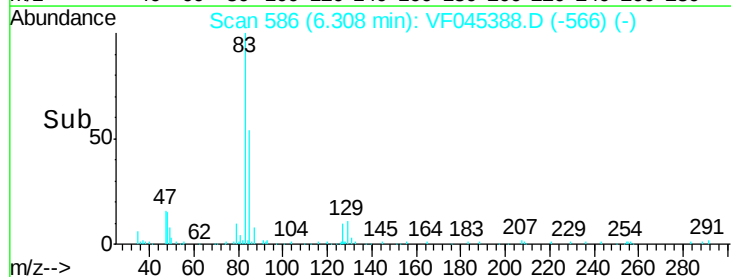
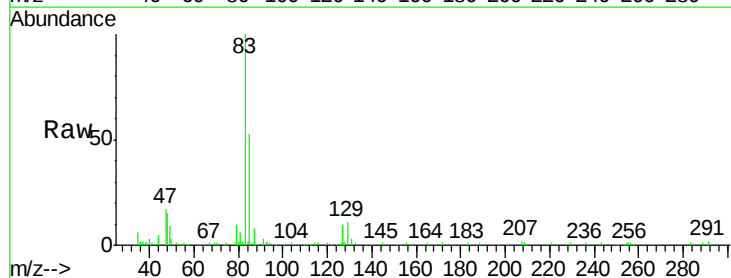
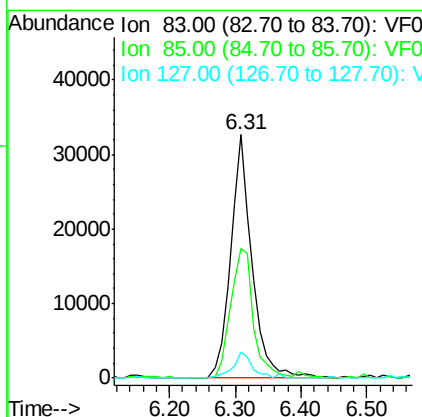
RT: 6.31 min Scan# 586

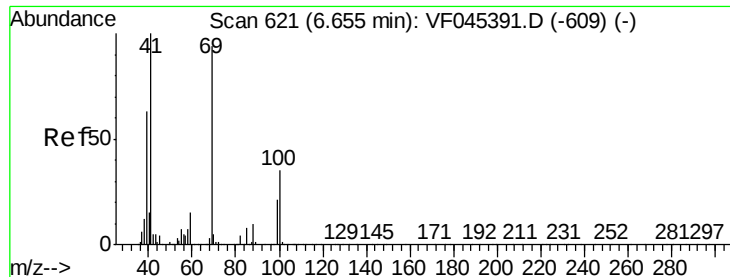
Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	83	Resp:	74192
Ion Ratio	Lower	Upper	
83	100		
85	53.3	50.6	75.8
127	10.6	7.7	11.5





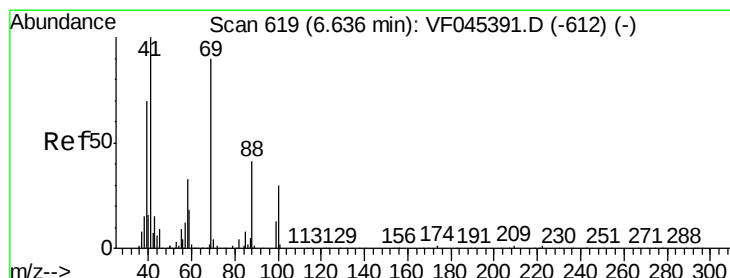
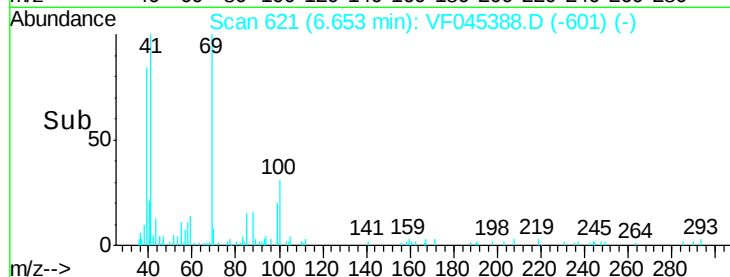
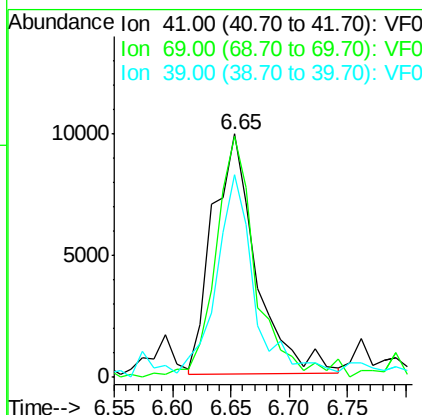
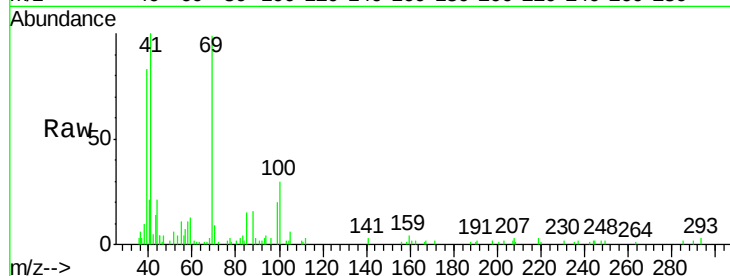
#47
Methvl methacrylate
Concen: 3.49 ug/l
RT: 6.65 min Scan# 621
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
69	98.8	63.3	94.9#
39	83.3	48.9	73.3#

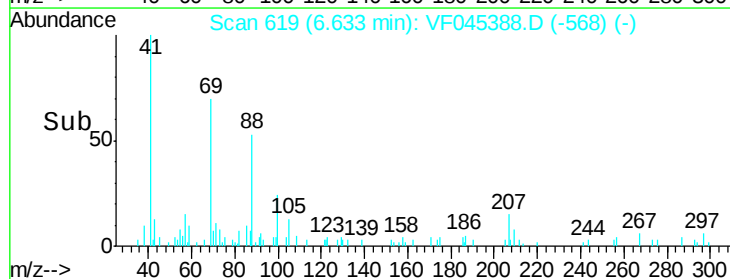
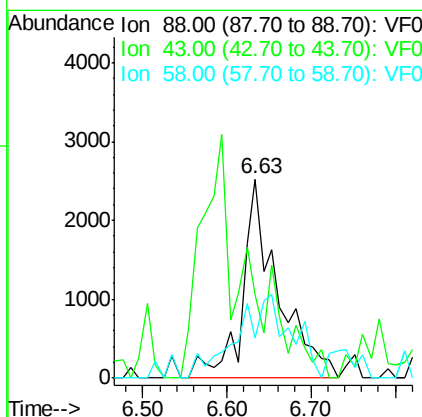
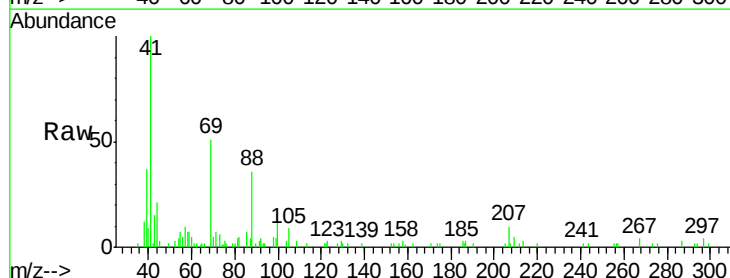
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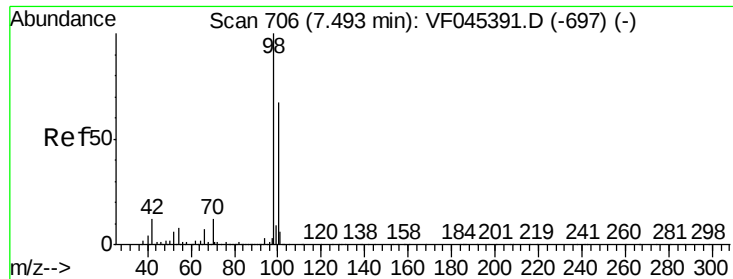
MMDadoda
9/17/2015 12:50:35 PM



#48
1,4-Dioxane
Concen: 100.24 ug/l
RT: 6.63 min Scan# 619
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.2	34.5	51.7
58	20.0	46.5	69.7#





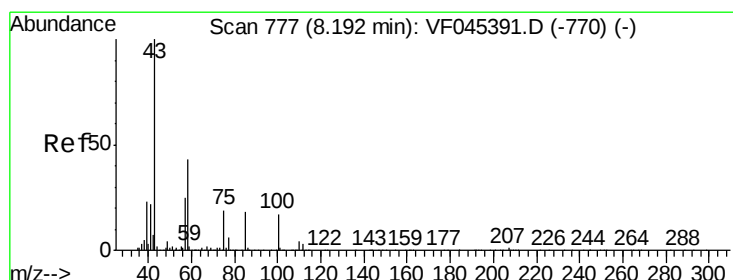
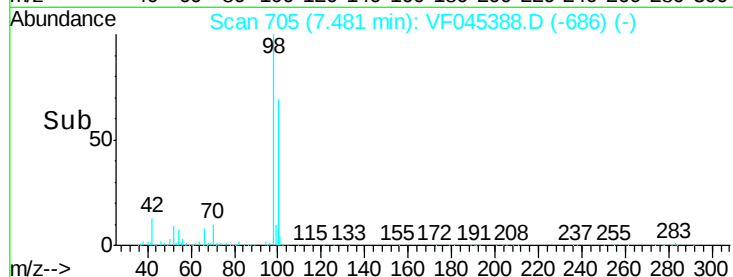
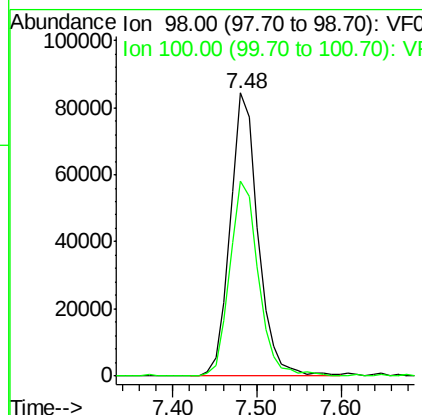
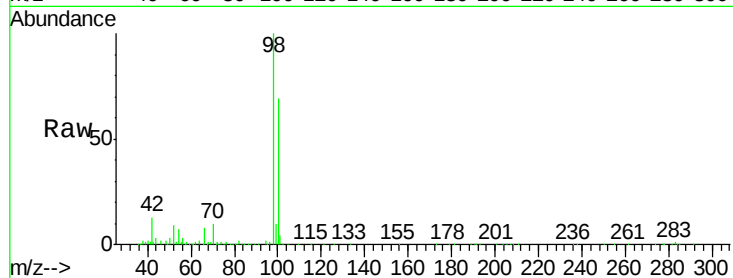
#49
Toluene-d8
Concen: 5.22 ug/l
RT: 7.48 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
98	100		
100	68.7	54.4	81.6

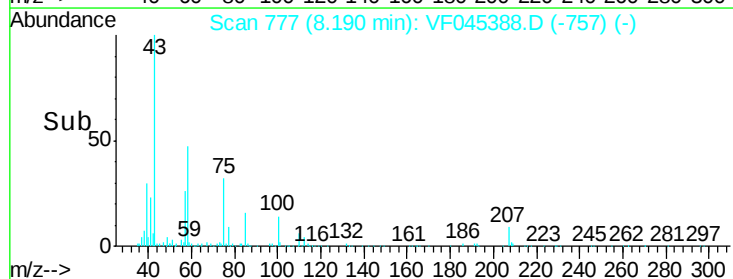
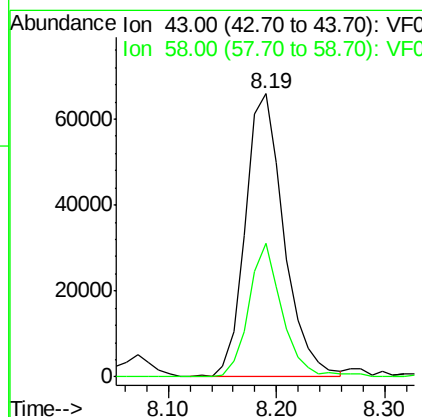
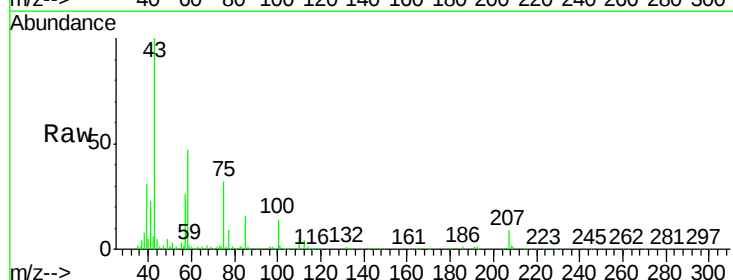
Manual Integrations
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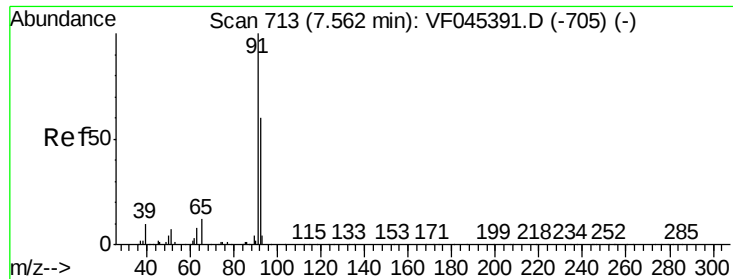
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 18.03 ug/l
RT: 8.19 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.1	33.6	50.4





#51

Toluene

Concen: 5.11 ug/l

RT: 7.55 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 135177

Ion Ratio Lower Upper

92 100

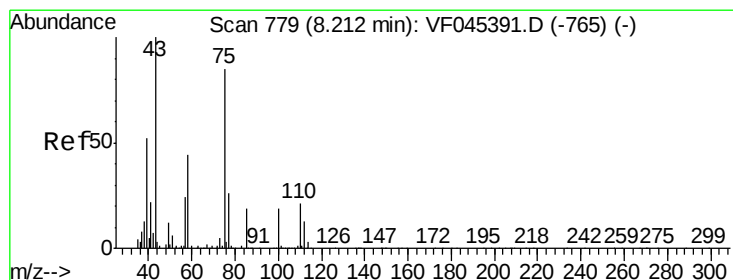
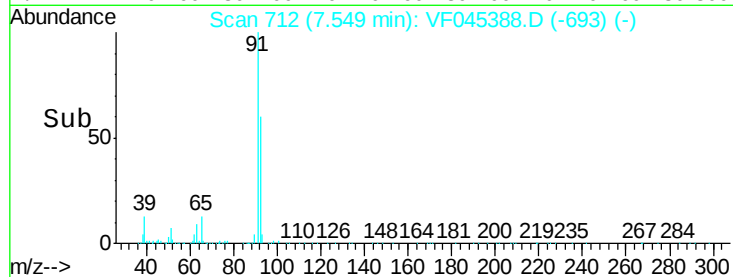
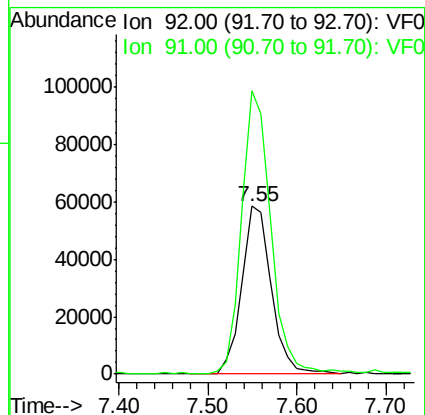
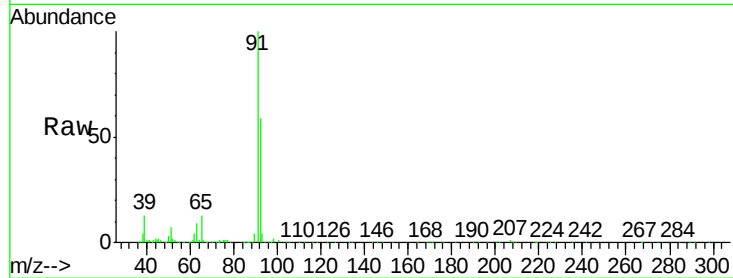
91 168.6 133.4 200.0

Manual Integrations

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#52

t-1,3-Dichloropropene

Concen: 4.52 ug/l

RT: 8.20 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF045388.D

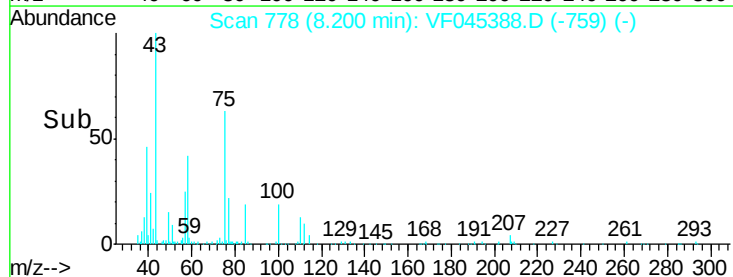
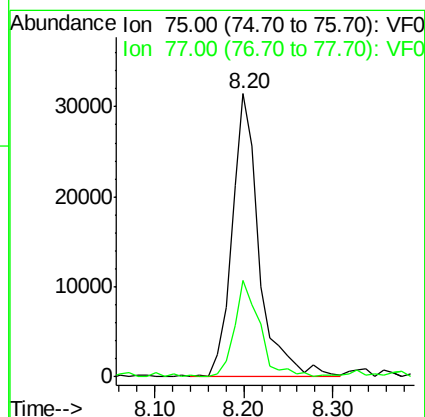
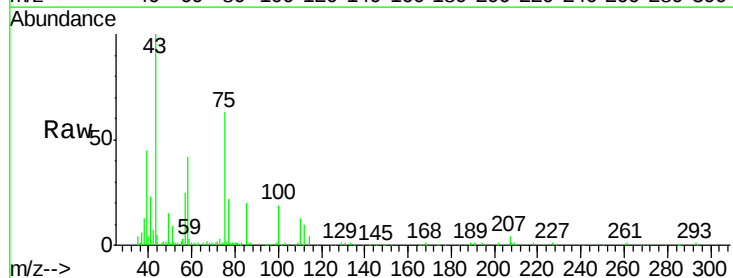
Acq: 16 Sep 2015 13:15

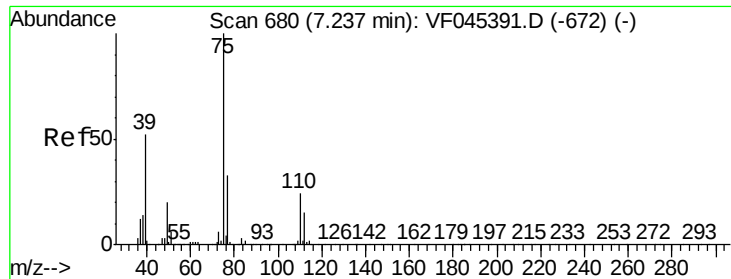
Tgt Ion: 75 Resp: 66327

Ion Ratio Lower Upper

75 100

77 34.3 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 4.33 ug/l

RT: 7.23 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

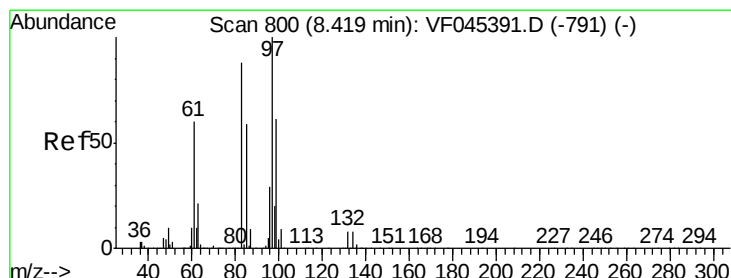
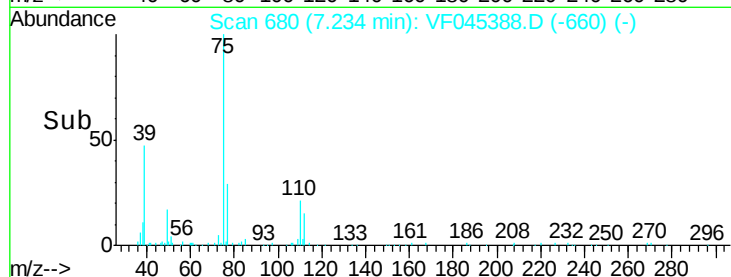
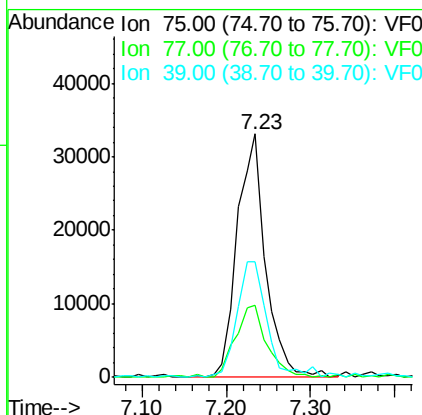
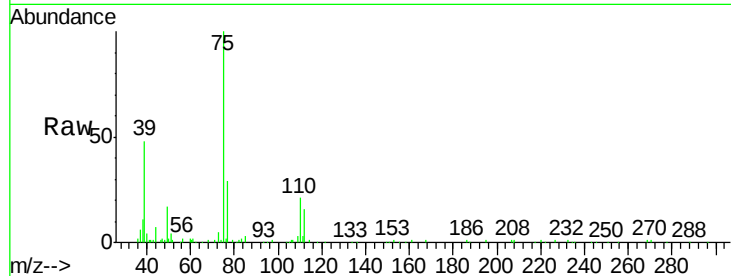
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	77705
Ion Ratio	Lower	Upper	
75	100		
77	29.4	25.5	38.3
39	47.5	41.6	62.4

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#54

1,1,2-Trichloroethane

Concen: 4.78 ug/l

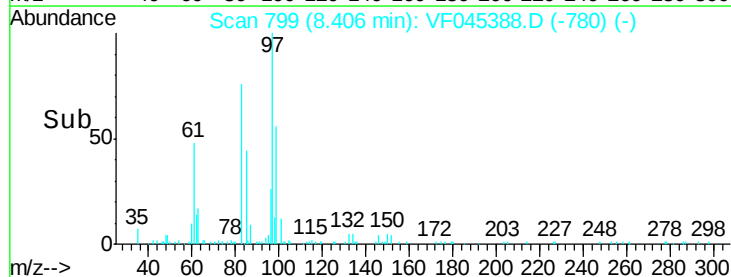
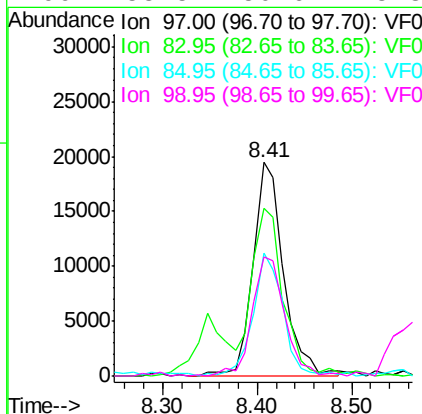
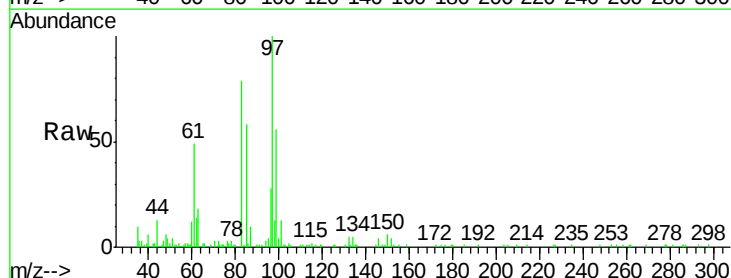
RT: 8.41 min Scan# 799

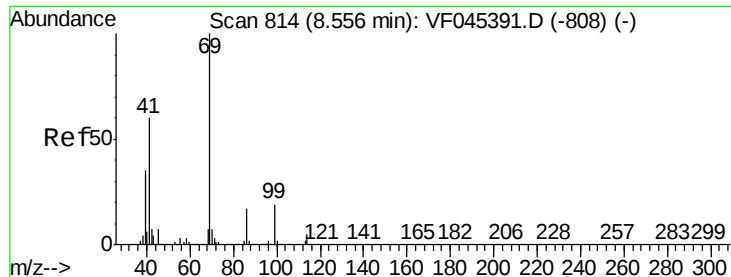
Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	97	Resp:	43806
Ion Ratio	Lower	Upper	
97	100		
83	78.8	70.1	105.1
85	57.6	47.4	71.2
99	55.5	50.6	75.8





#55

Ethyl methacrylate

Concen: 3.93 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

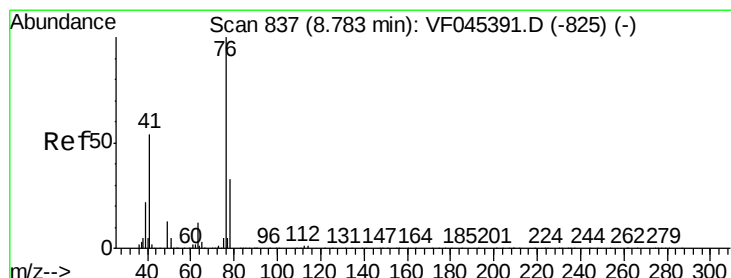
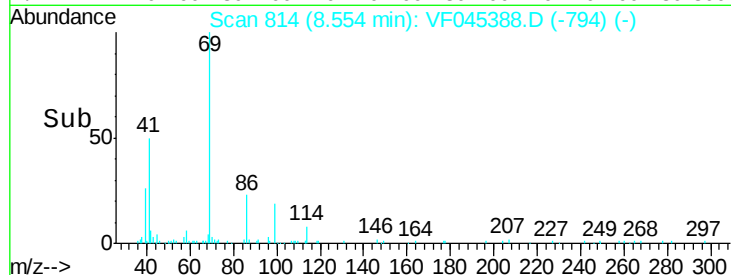
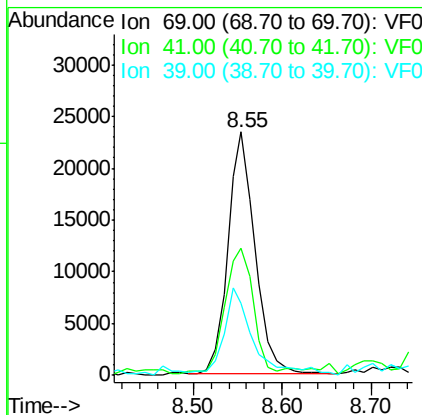
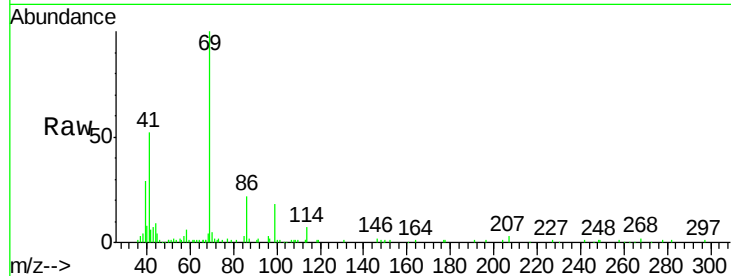
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	50154
Ion Ratio	Lower	Upper	
69	100		
41	52.4	51.0	76.4
39	29.5	29.1	43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 4.24 ug/l

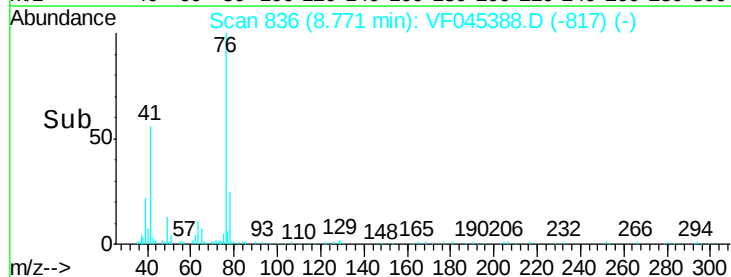
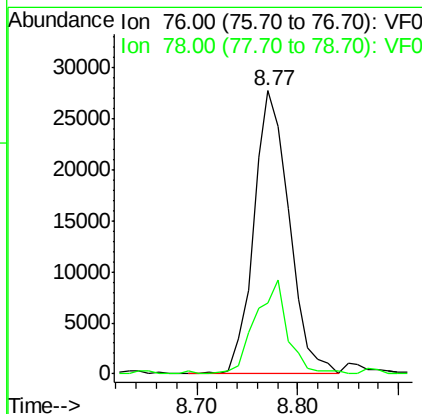
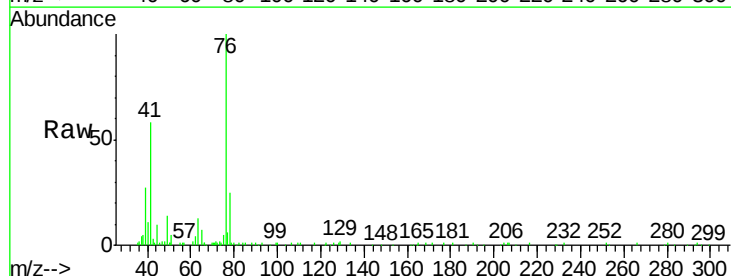
RT: 8.77 min Scan# 836

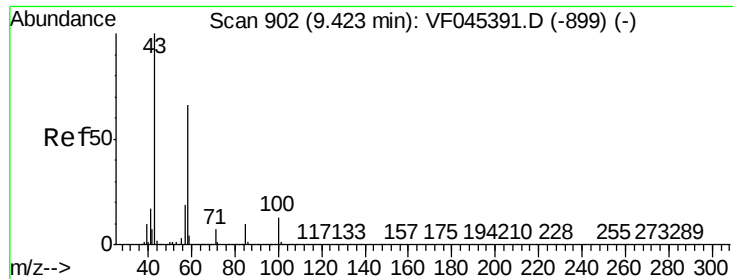
Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	76	Resp:	67343
Ion Ratio	Lower	Upper	
76	100		
78	24.9	26.1	39.1#





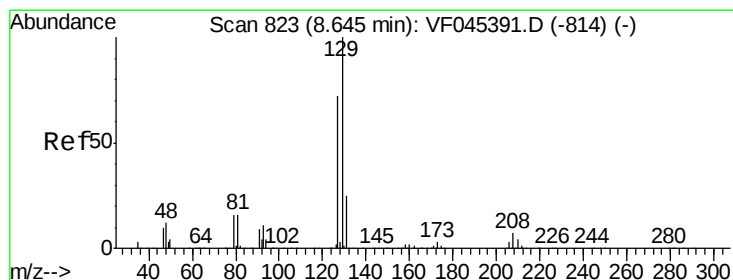
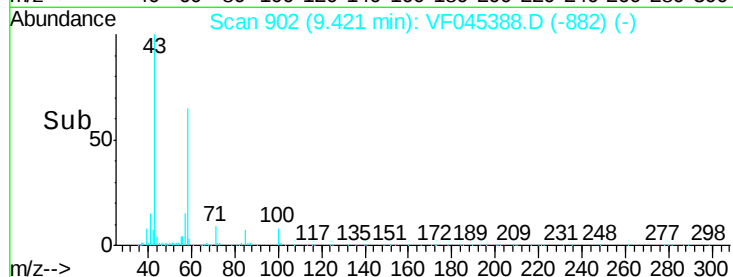
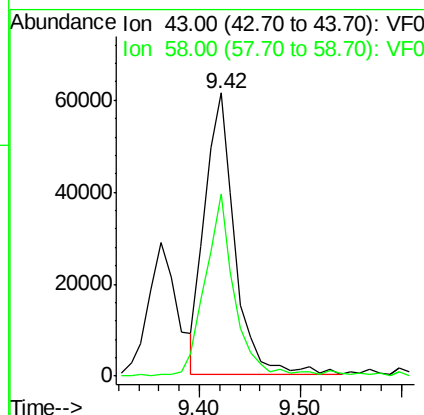
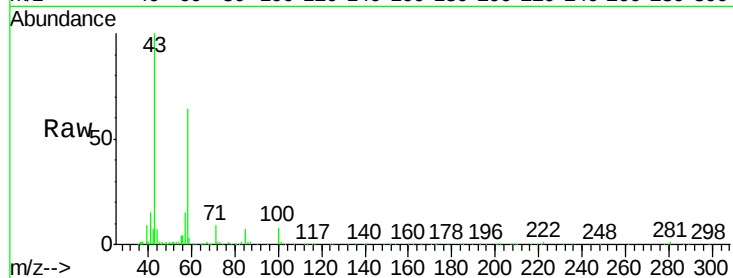
#58
2-Hexanone
Concen: 17.56 ug/l
RT: 9.42 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	64.4	28.8	86.5

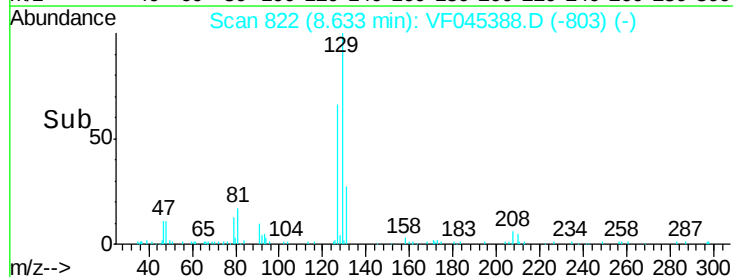
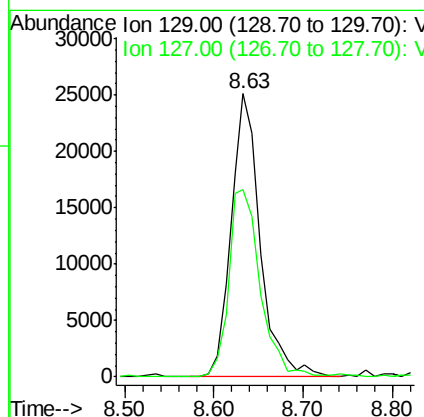
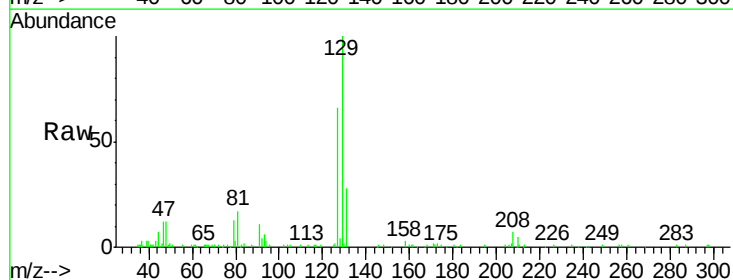
Manual Integrations
APPROVED

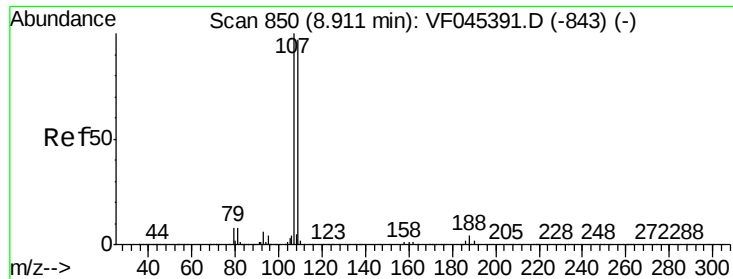
MMDadoda
9/17/2015 12:50:35 PM



#59
Dibromochloromethane
Concen: 4.95 ug/l
RT: 8.63 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	66.2	38.2	114.6





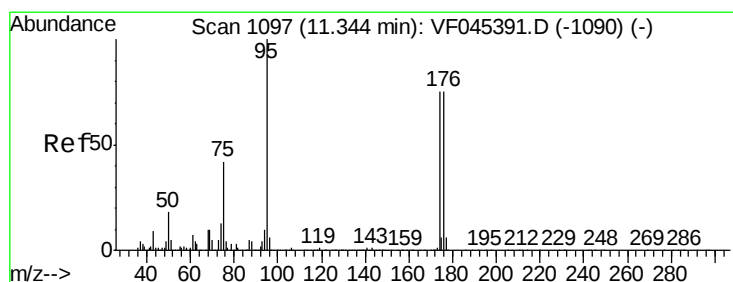
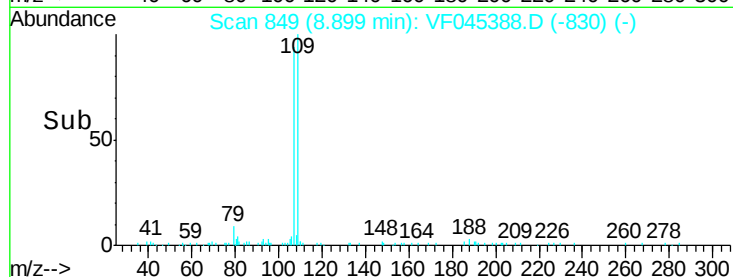
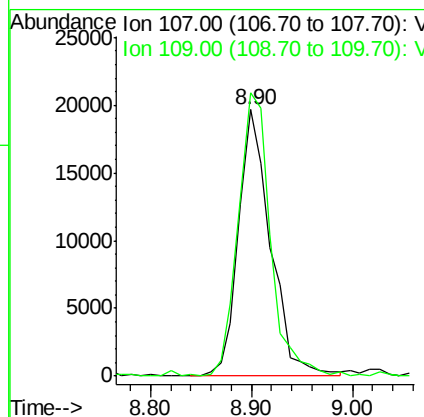
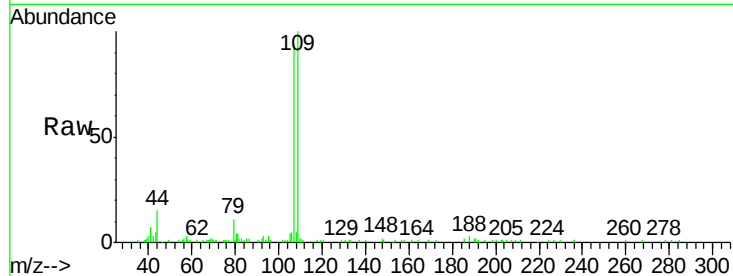
#60
 1,2-Dibromoethane
 Concen: 4.22 ug/l
 RT: 8.90 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:107 Resp: 43601
 Ion Ratio Lower Upper
 107 100
 109 106.3 79.4 119.0

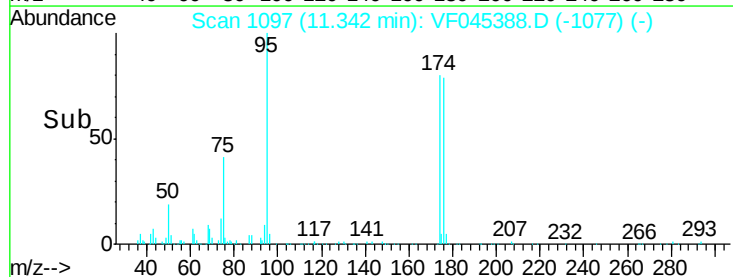
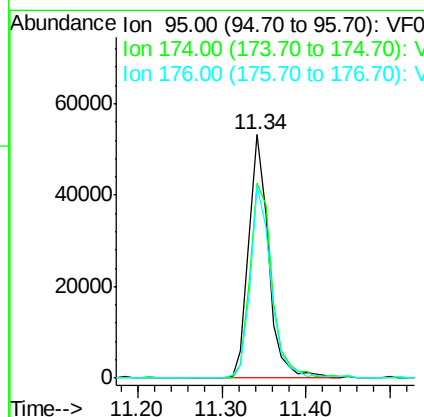
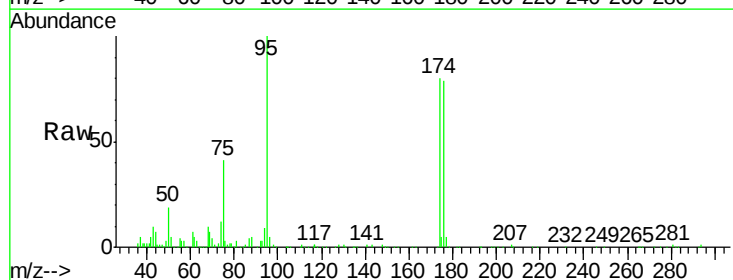
Manual Integrations
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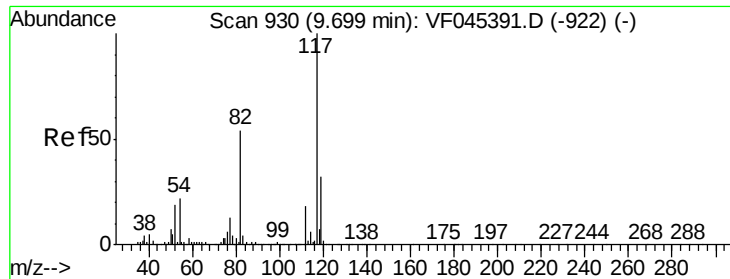
MMDadoda
 9/17/2015 12:50:35 PM



#61
 4-Bromofluorobenzene
 Concen: 5.22 ug/l
 RT: 11.34 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion: 95 Resp: 88821
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 177.8
 176 79.2 0.0 176.2





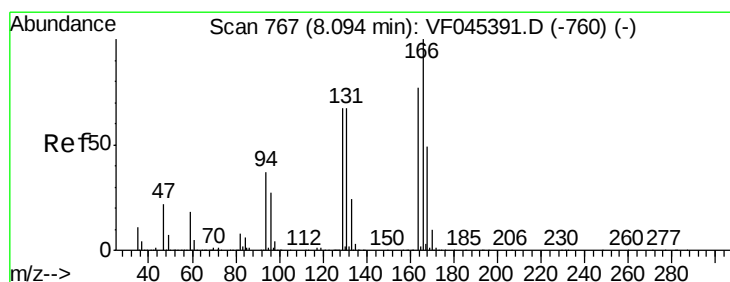
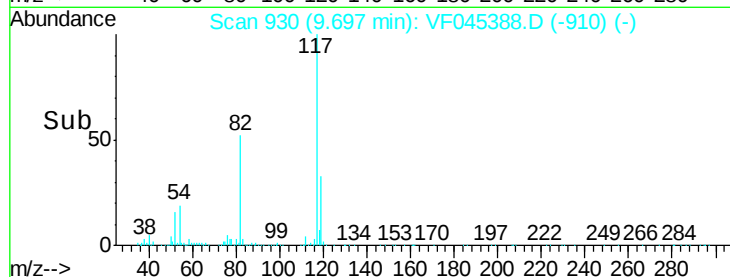
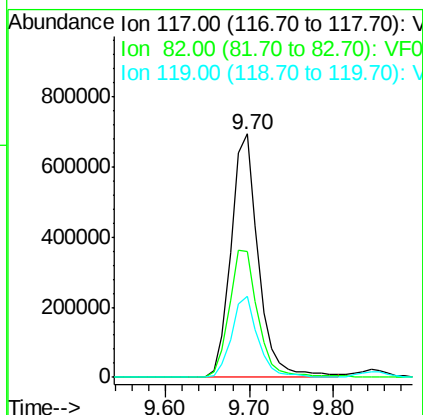
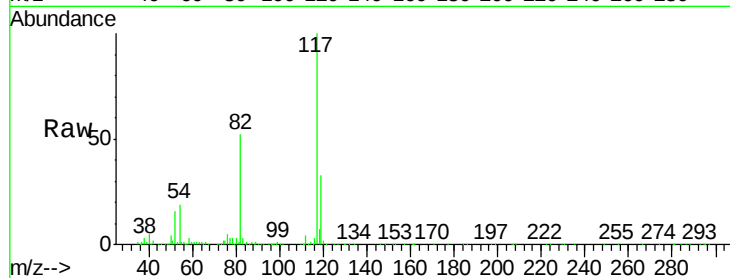
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.0	67.6
119	33.5	26.2	39.4

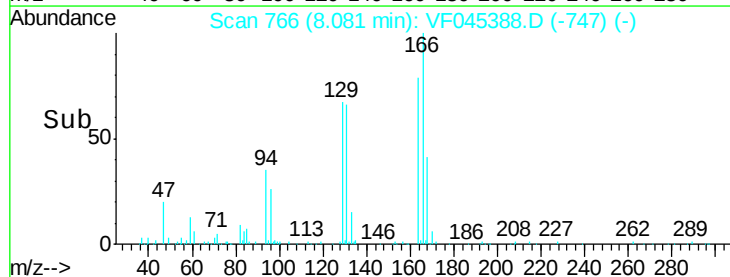
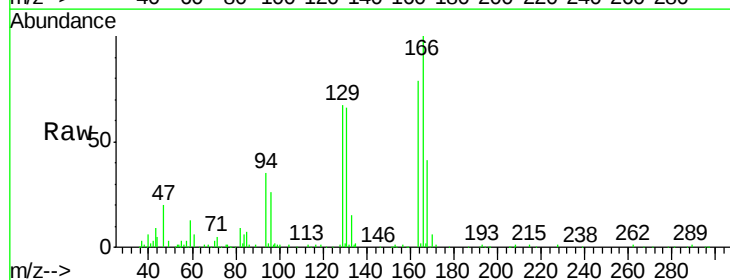
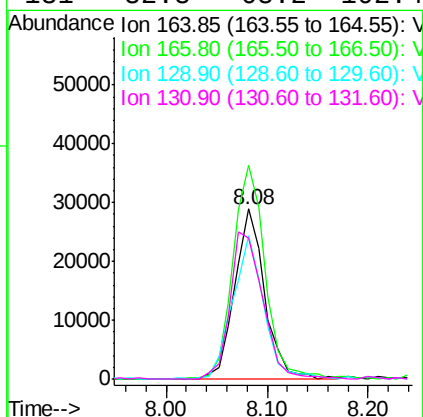
Manual Integrations
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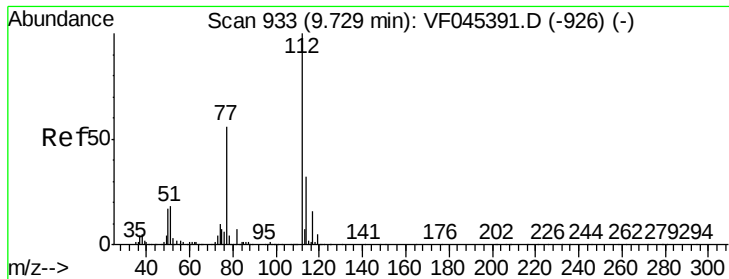
MMDadoda
9/17/2015 12:50:35 PM



#63
Tetrachloroethene
Concen: 5.57 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	106.0	159.0
129	84.2	69.8	104.6
131	82.8	68.2	102.4





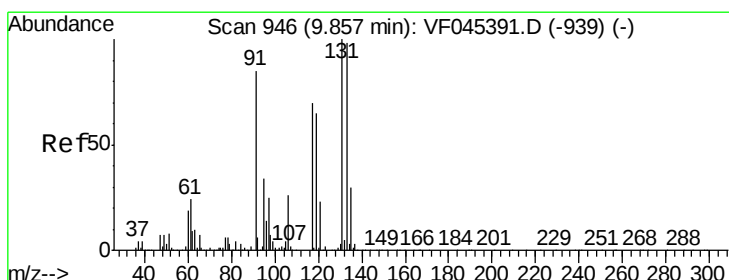
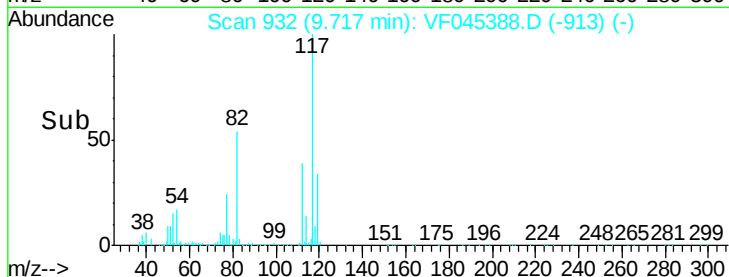
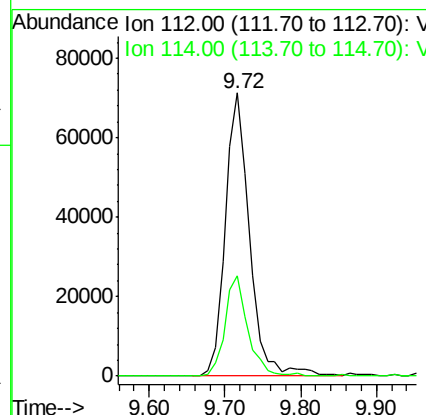
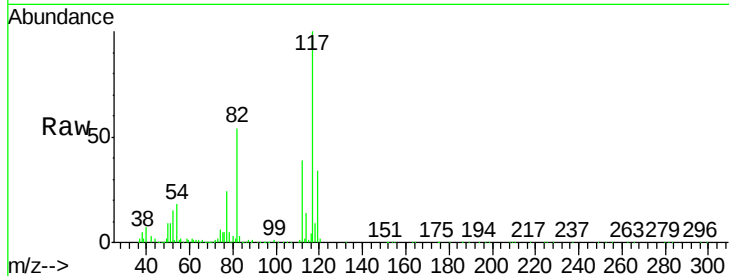
#64
Chlorobenzene
Concen: 4.91 ug/l
RT: 9.72 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.6	38.4

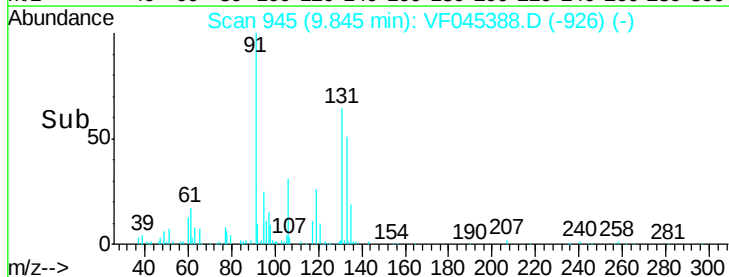
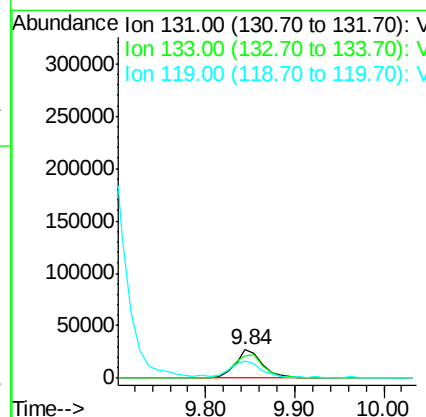
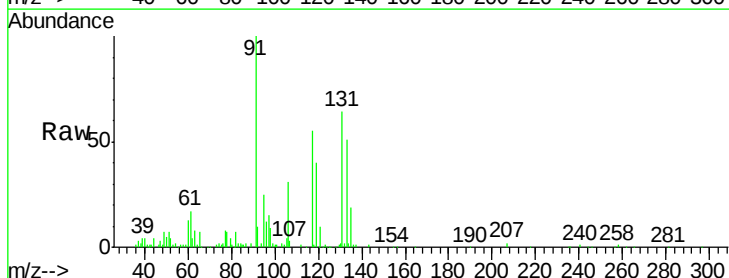
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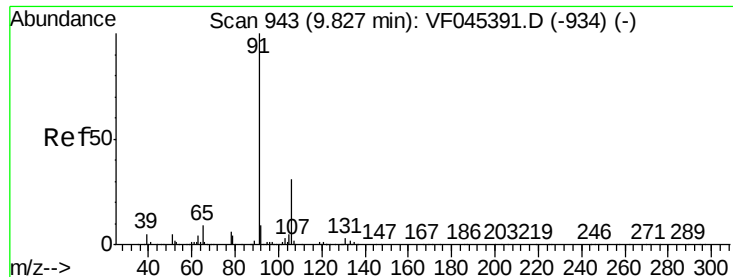
MMDadoda
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#65
1,1,1,2-Tetrachloroethane
Concen: 5.18 ug/l
RT: 9.84 min Scan# 945
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	80.0	48.1	144.4
119	62.0	34.8	104.5





#66

Ethyl Benzene

Concen: 5.09 ug/l

RT: 9.82 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 291406

Ion Ratio Lower Upper

91 100

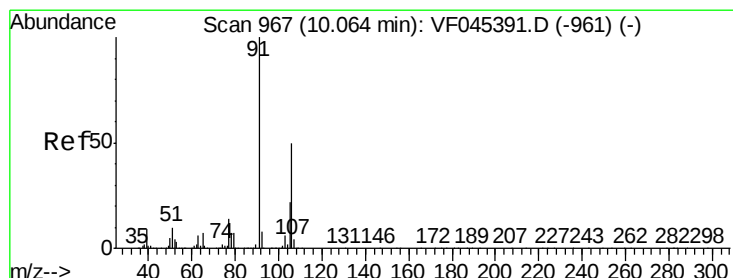
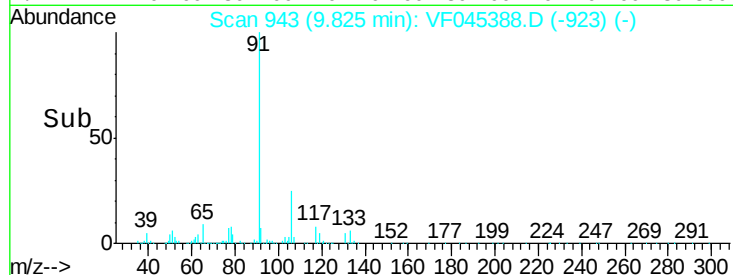
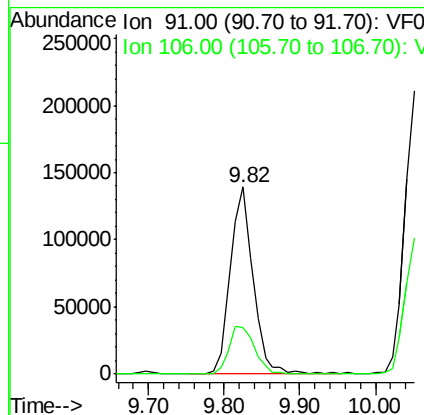
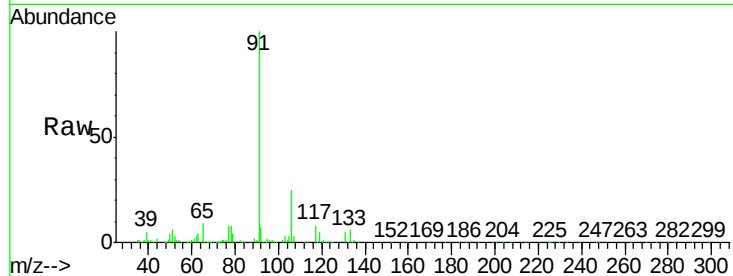
106 24.9 23.6 35.4

Manual Integrations

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#67

m/p-Xylenes

Concen: 10.70 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF045388.D

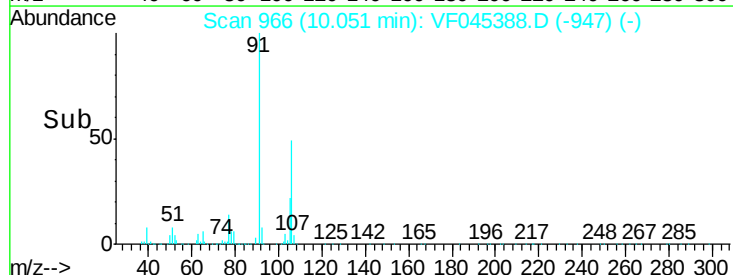
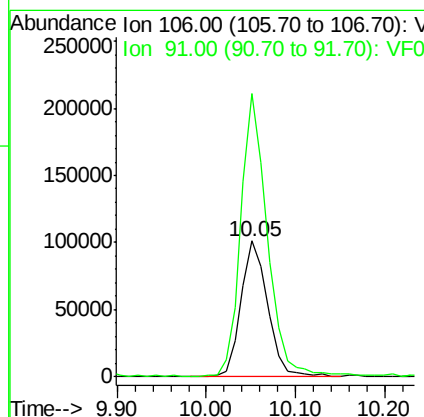
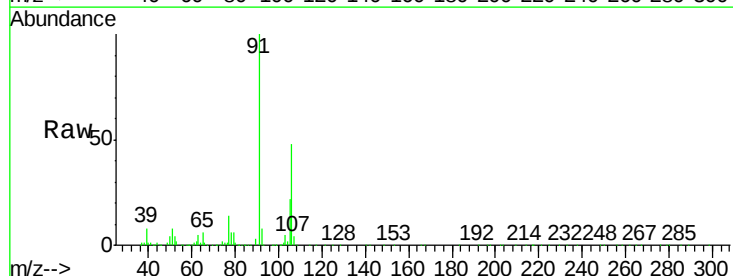
Acq: 16 Sep 2015 13:15

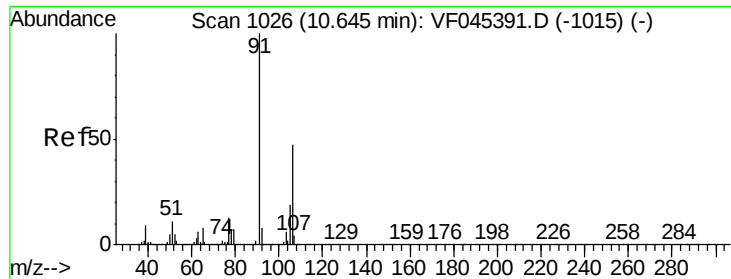
Tgt Ion: 106 Resp: 212538

Ion Ratio Lower Upper

106 100

91 208.5 166.1 249.1





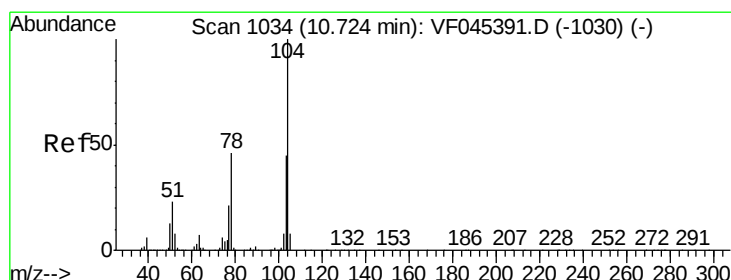
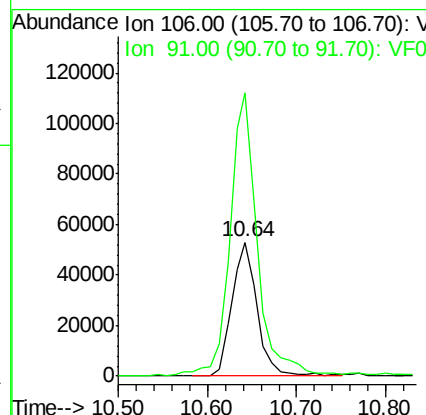
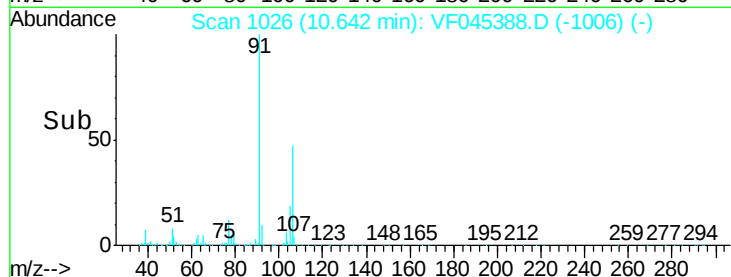
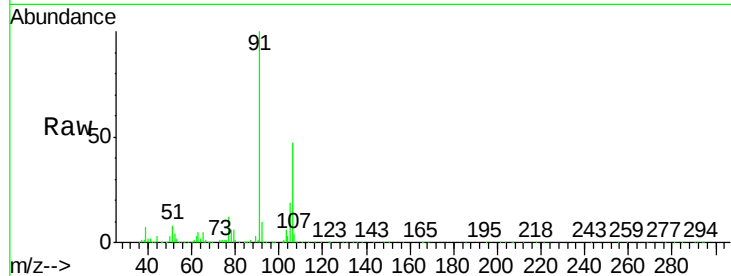
#68
o-Xylene
Concen: 5.12 ug/l
RT: 10.64 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
106	100	106485		
91	211.6	108.1	324.2	

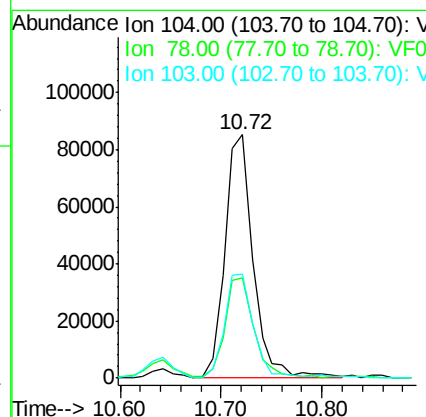
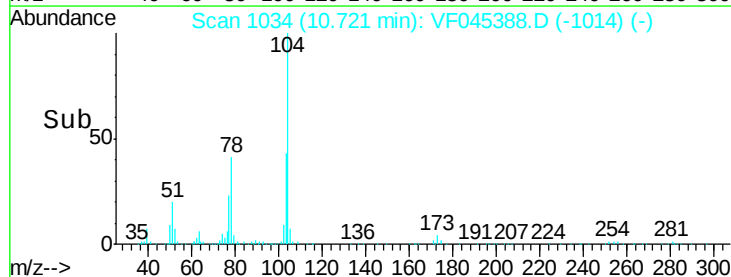
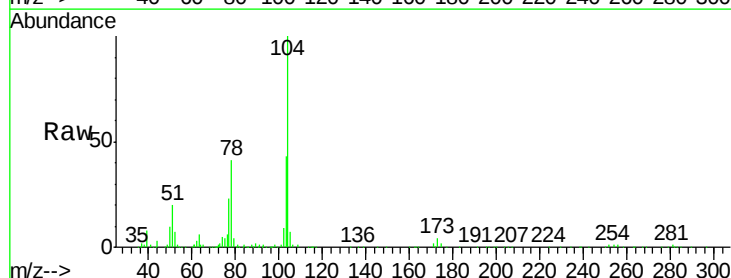
Manual Integrations
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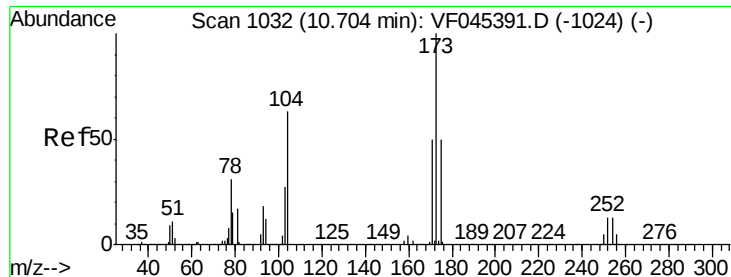
MMDadoda
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#69
Styrene
Concen: 4.99 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	166297		
78	41.3	34.2	51.4	
103	42.9	36.7	55.1	





#70

Bromoform

Concen: 4.82 ug/l

RT: 10.69 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 37785

Ion Ratio Lower Upper

173 100

175 45.4 25.7 77.0

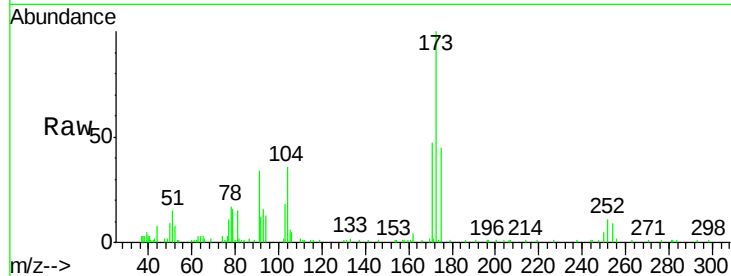
254 8.5 9.8 14.6#

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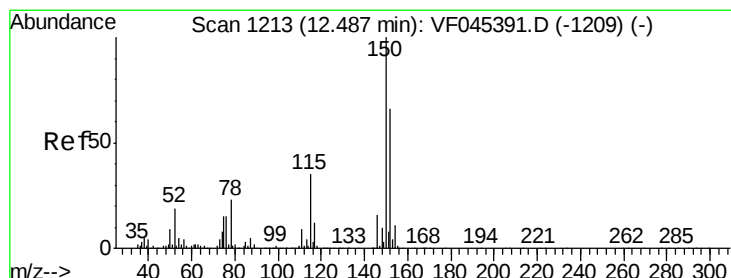
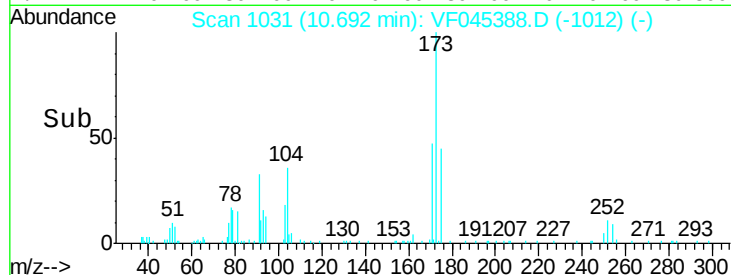
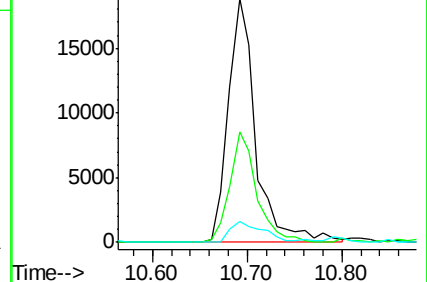
9/17/2015 12:50:35 PM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

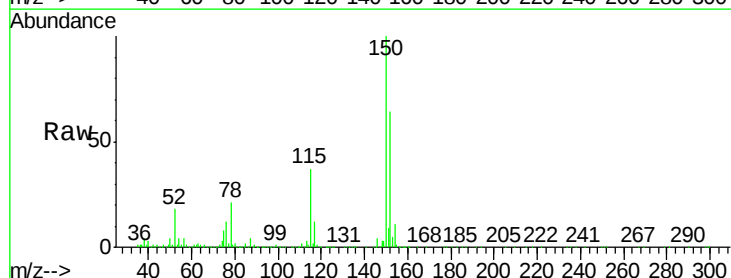
Tgt Ion:152 Resp: 883982

Ion Ratio Lower Upper

152 100

115 57.5 28.3 85.0

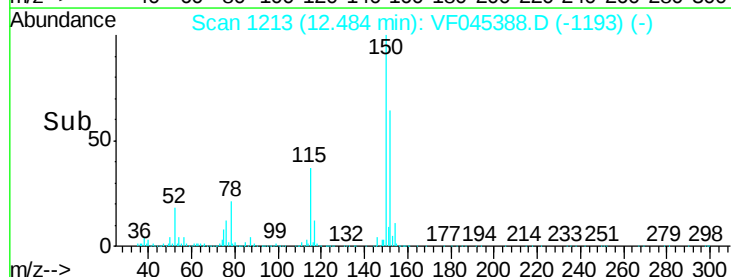
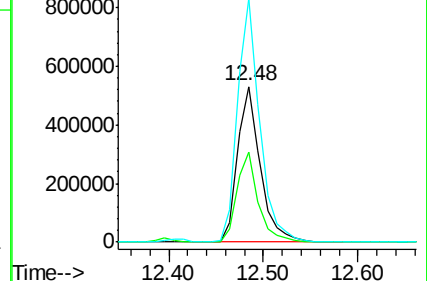
150 156.4 0.0 324.2

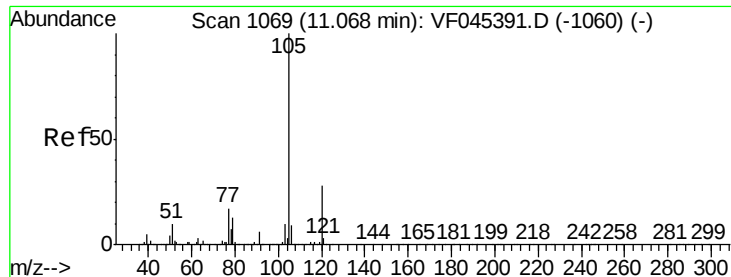


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 4.50 ug/l

RT: 11.06 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 291114

Ion Ratio Lower Upper

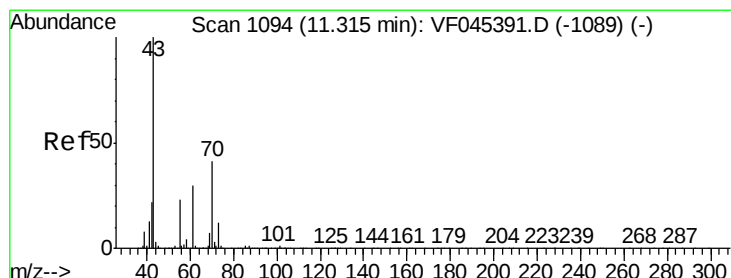
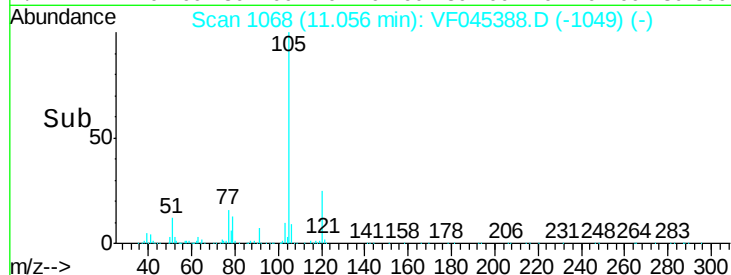
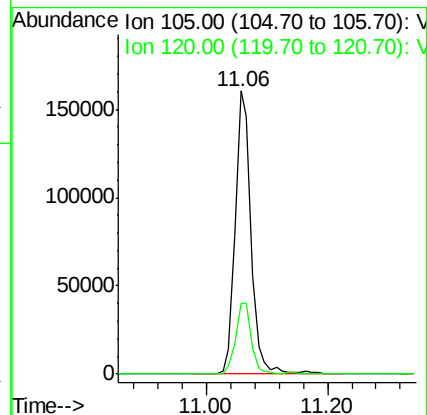
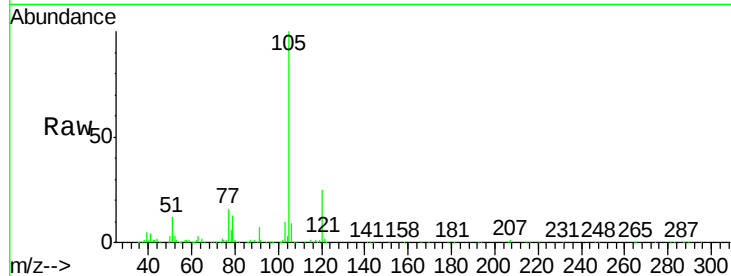
105 100

120 25.0 13.0 39.0

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#73

N-ethyl acetate

Concen: 3.28 ug/l

RT: 11.31 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion: 43 Resp: 73279

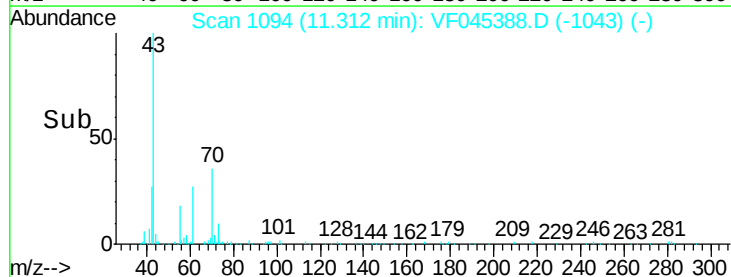
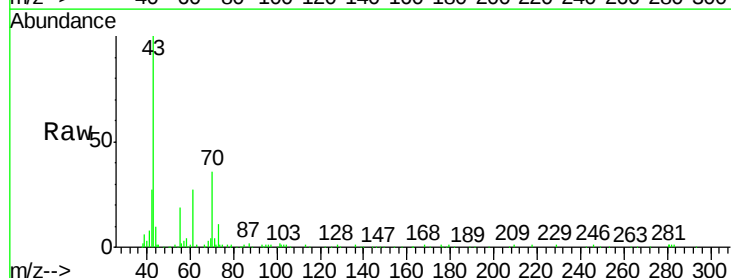
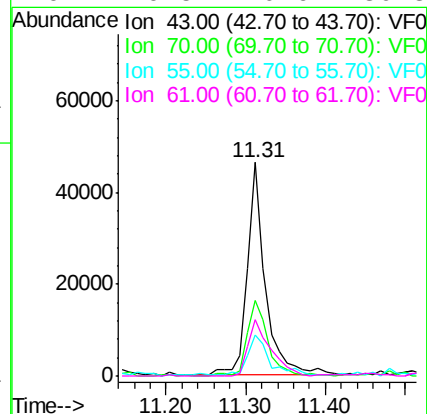
Ion Ratio Lower Upper

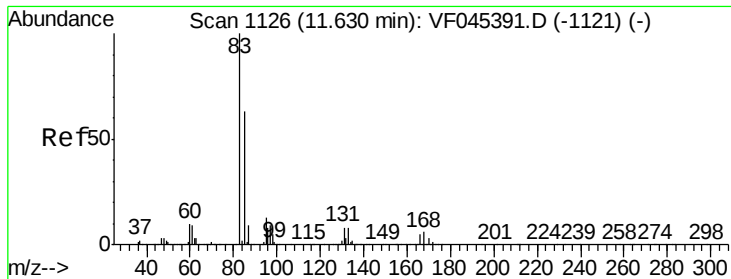
43 100

70 35.5 30.0 45.0

55 19.2 16.8 25.2

61 26.5 20.6 30.8





#74

1,1,2,2-Tetrachloroethane

Concen: 4.23 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

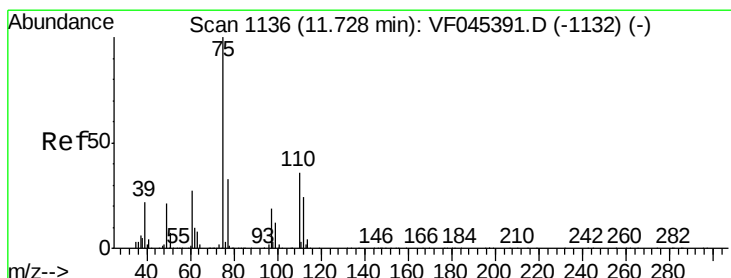
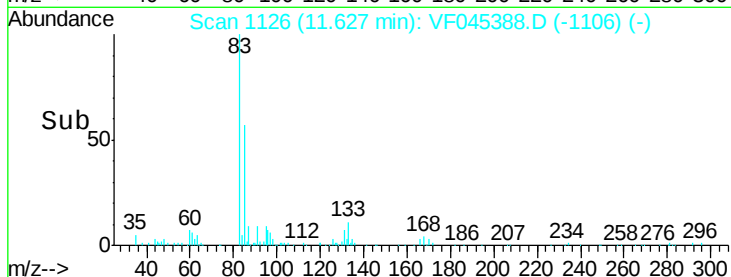
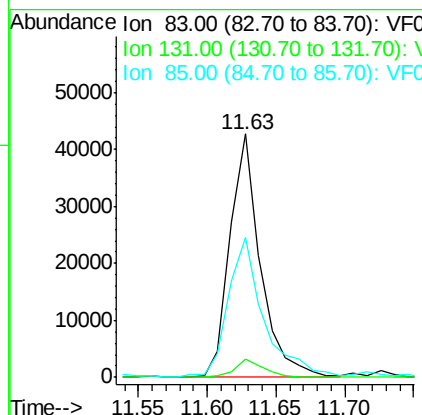
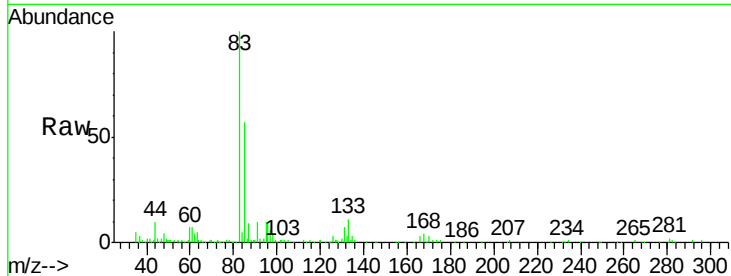
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	65764
Ion Ratio	Lower	Upper	
83	100		
131	7.5	4.2	12.6
85	57.5	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 3.48 ug/l

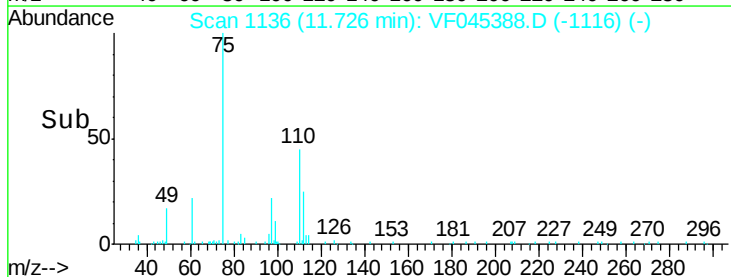
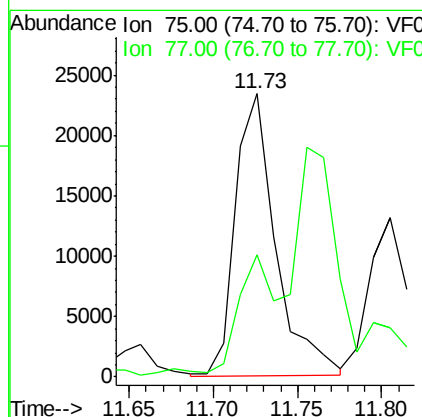
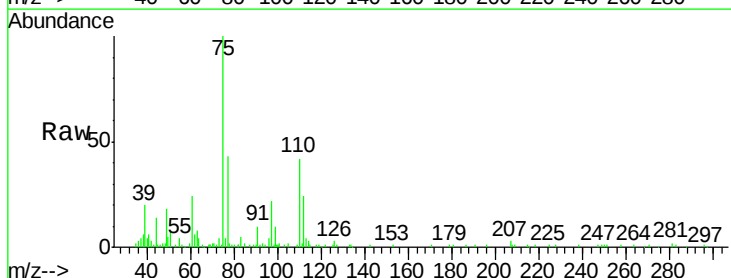
RT: 11.73 min Scan# 1136

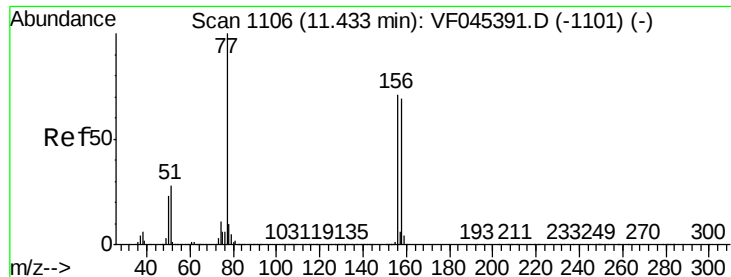
Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	75	Resp:	38924
Ion Ratio	Lower	Upper	
75	100		
77	43.0	15.0	45.1





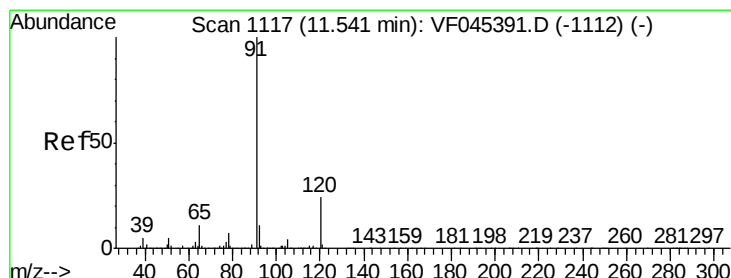
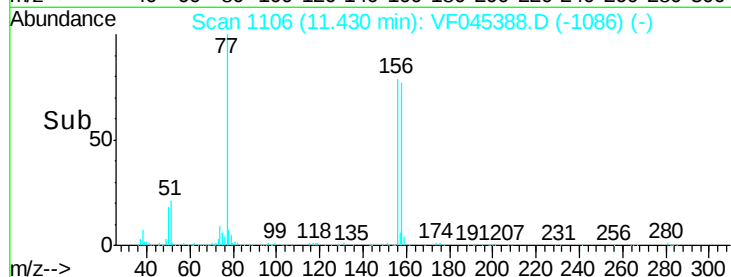
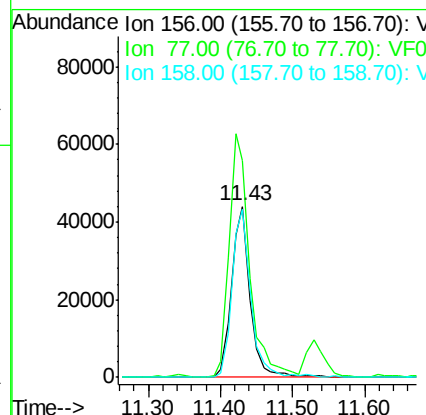
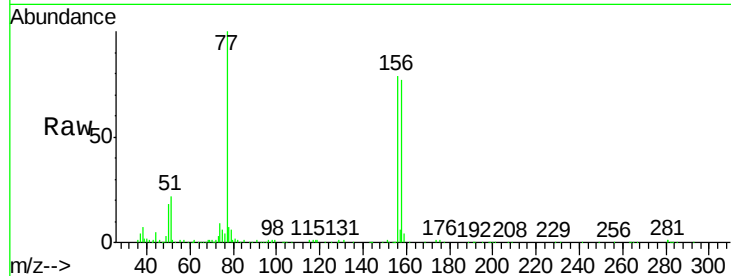
#76
Bromobenzene
Concen: 4.71 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	127.0	74.8	224.3
158	98.1	49.5	148.7

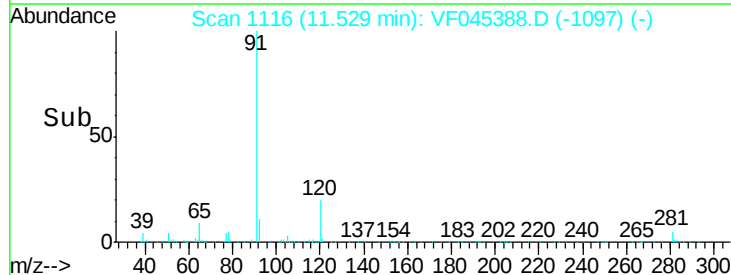
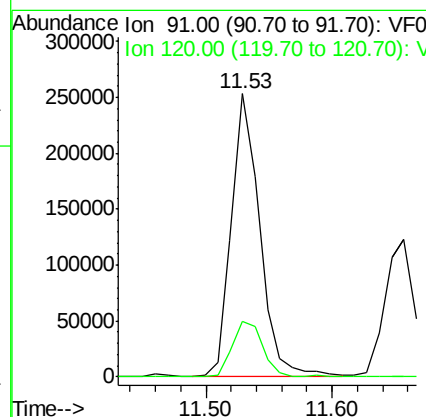
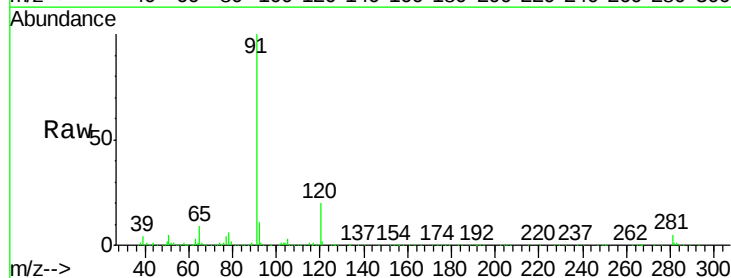
Manual Integrations
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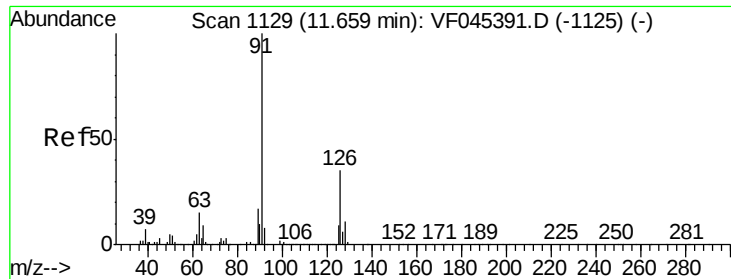
MMDadoda
9/17/2015 12:50:35 PM



#77
n-propylbenzene
Concen: 4.70 ug/l
RT: 11.53 min Scan# 1116
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	11.6	34.7





#78

2-Chlorotoluene

Concen: 4.43 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 203948

Ion Ratio Lower Upper

91 100

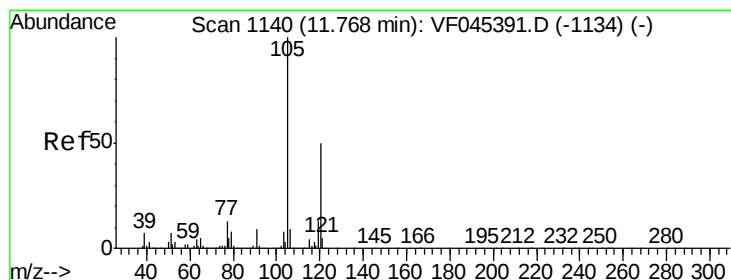
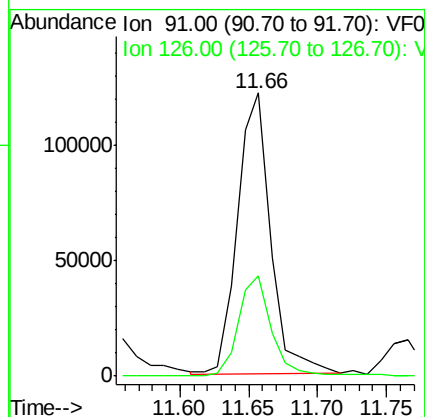
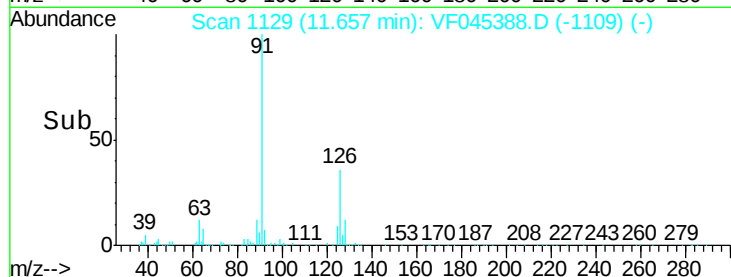
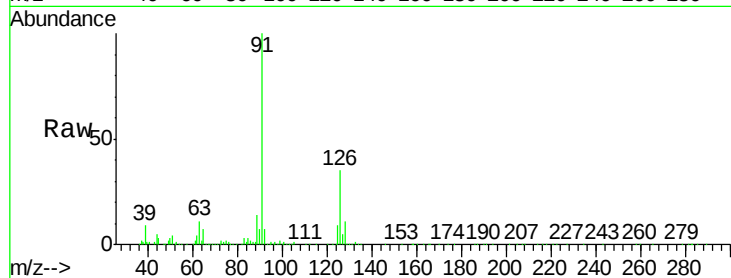
126 35.3 16.9 50.7

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#79

1,3,5-Trimethylbenzene

Concen: 4.80 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF045388.D

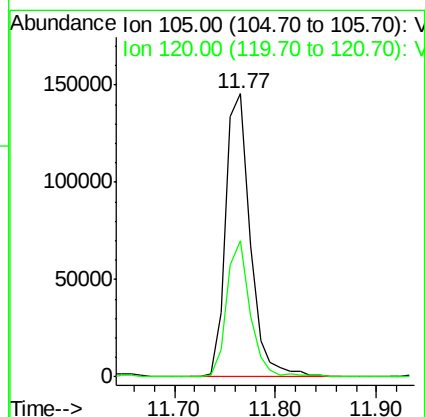
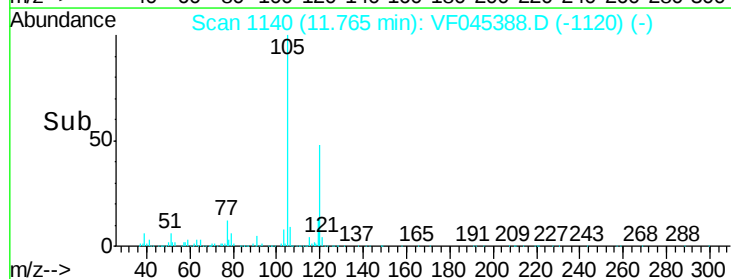
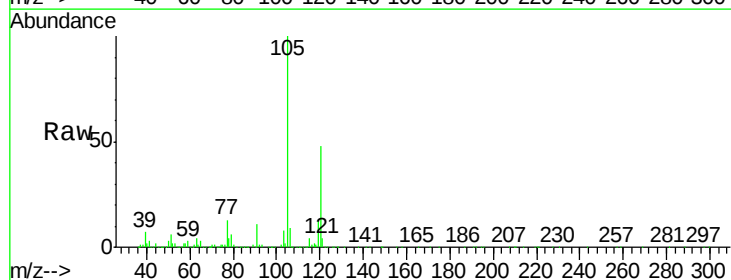
Acq: 16 Sep 2015 13:15

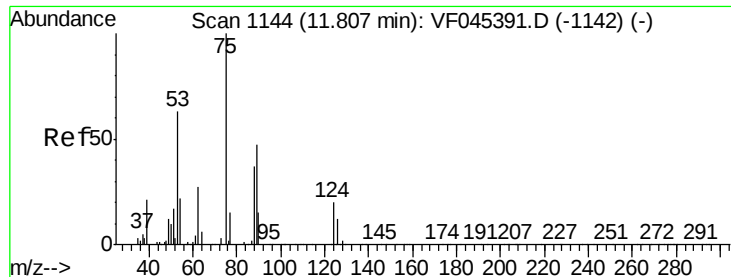
Tgt Ion: 105 Resp: 248482

Ion Ratio Lower Upper

105 100

120 48.0 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 4.08 ug/l m

RT: 11.80 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

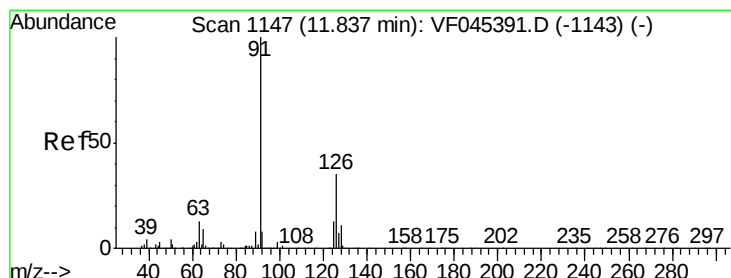
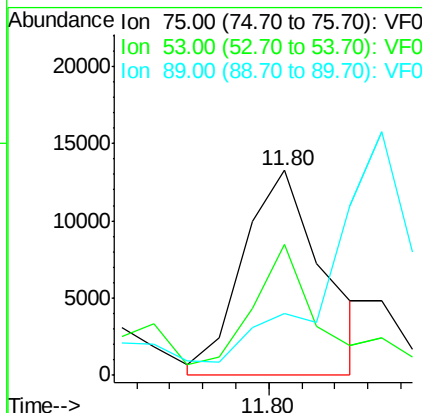
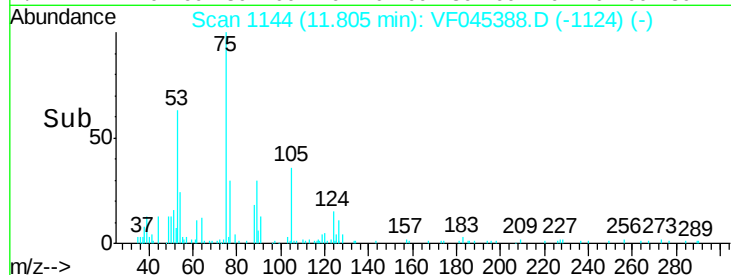
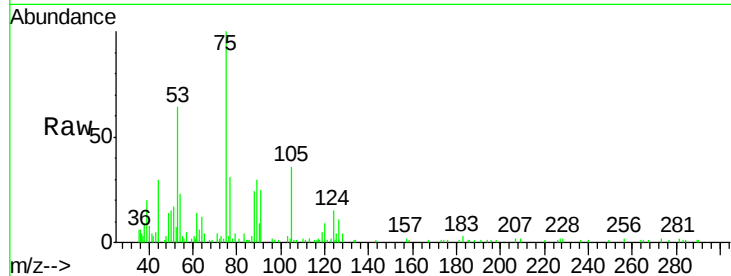
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	22286
Ion Ratio	Lower	Upper	
75	100		
53	64.0	51.0	76.6
89	30.1	38.6	57.8#

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#81

4-Chlorotoluene

Concen: 4.83 ug/l

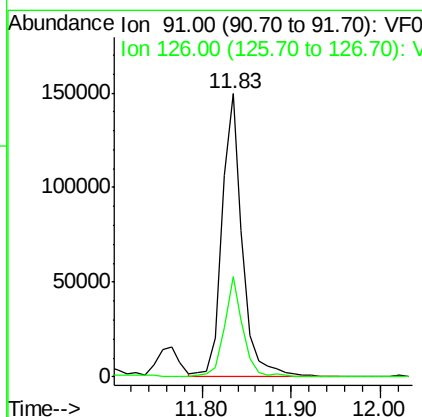
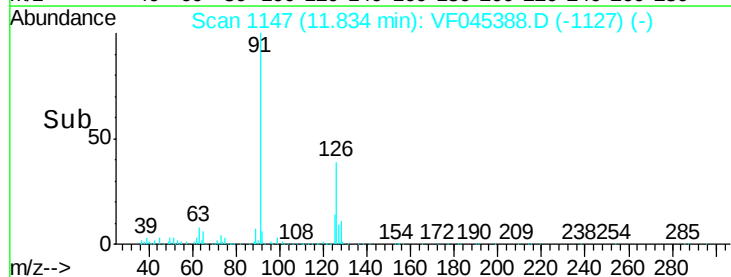
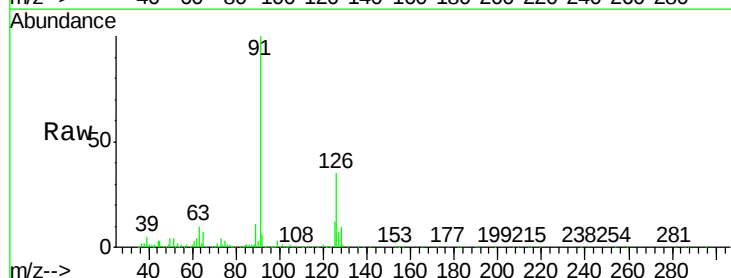
RT: 11.83 min Scan# 1147

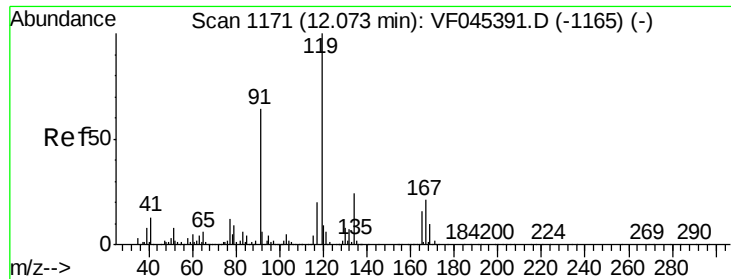
Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	91	Resp:	238627
Ion Ratio	Lower	Upper	
91	100		
126	35.5	15.8	47.4





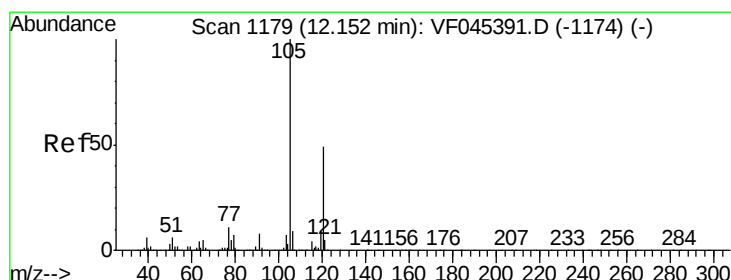
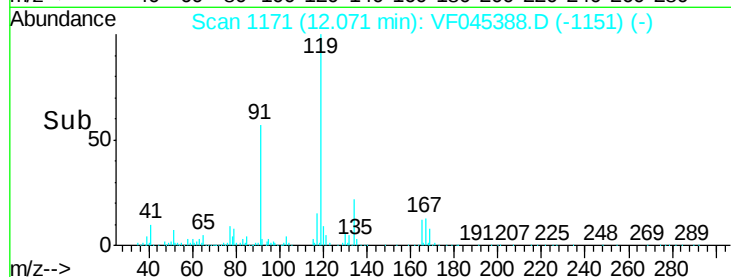
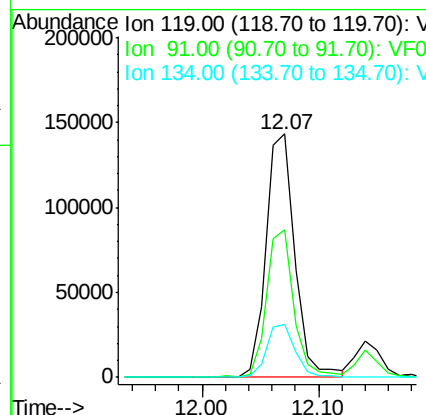
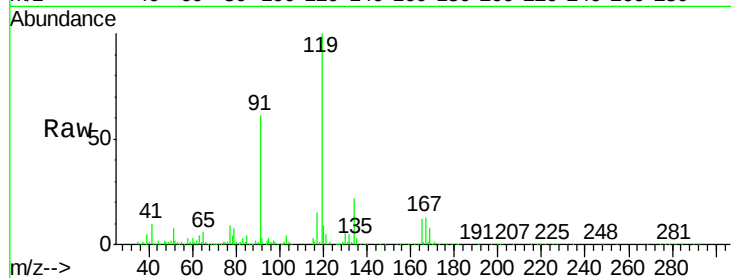
#82
tert-Butylbenzene
Concen: 4.91 ug/l
RT: 12.07 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	245955		
91	60.7	31.1	93.2	
134	21.8	12.2	36.6	

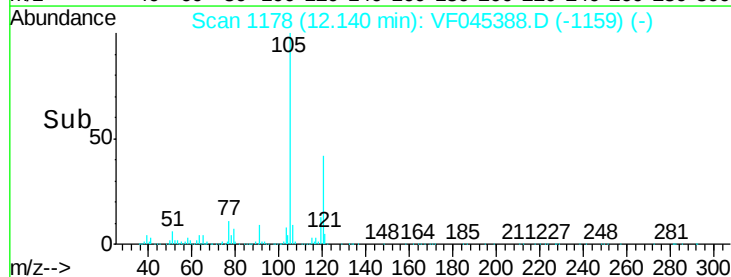
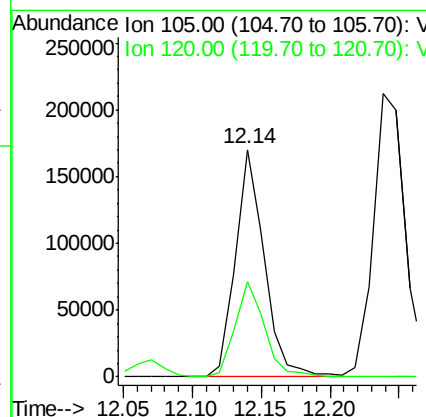
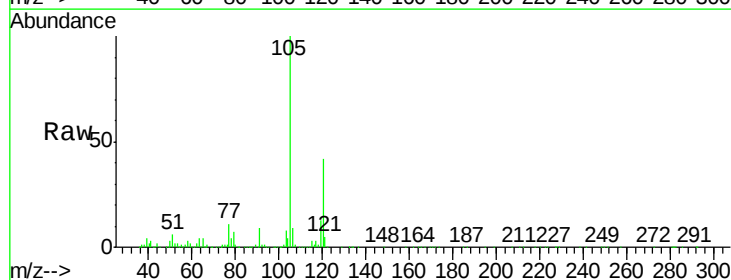
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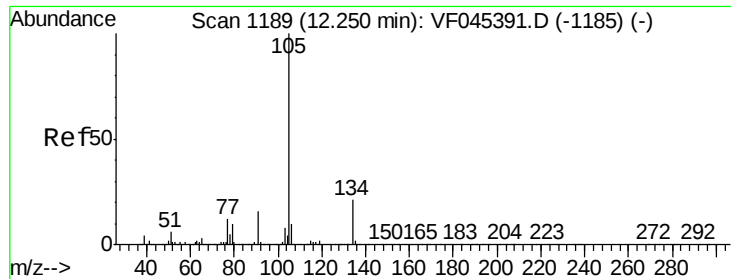
MMDadoda
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#83
1,2,4-Trimethylbenzene
Concen: 4.76 ug/l
RT: 12.14 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249272		
120	42.2	22.9	68.7	





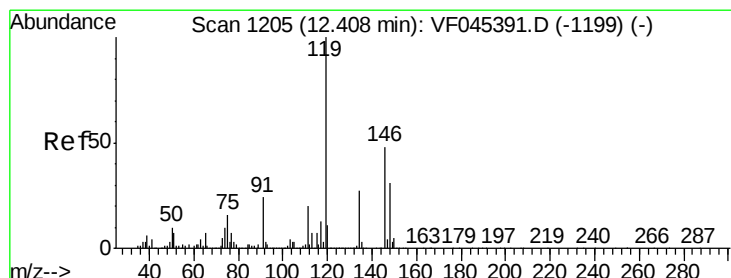
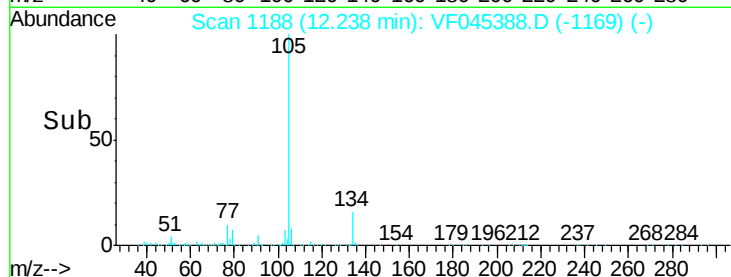
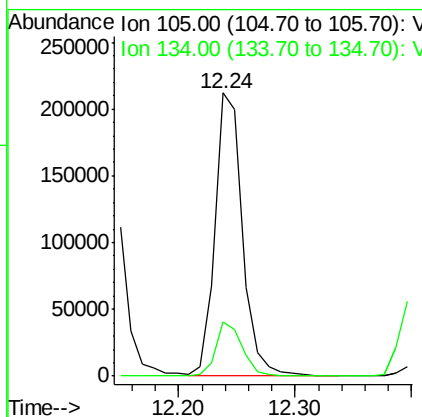
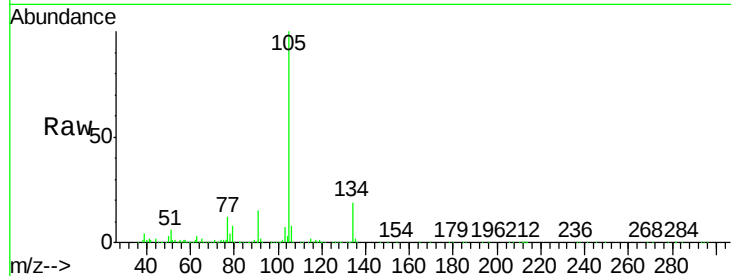
#84
 sec-Butylbenzene
 Concen: 5.02 ug/l
 RT: 12.24 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	10.5	31.6

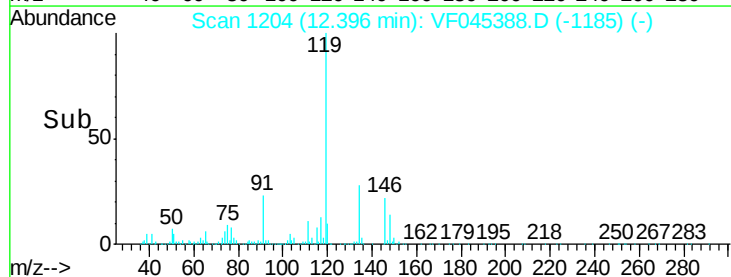
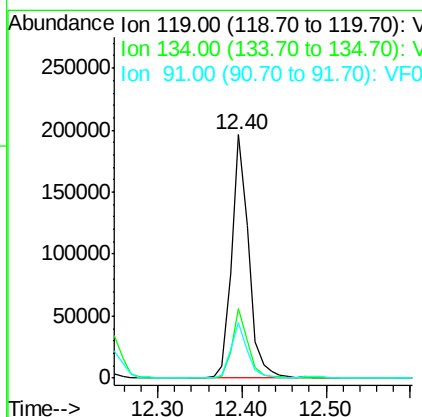
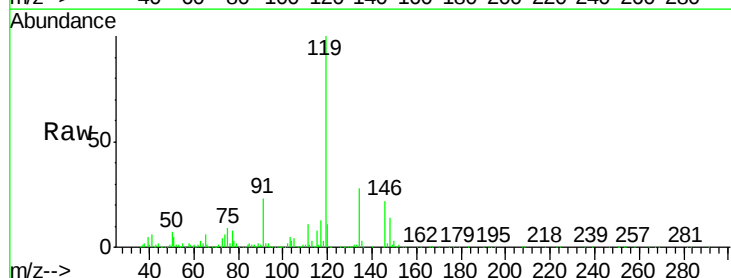
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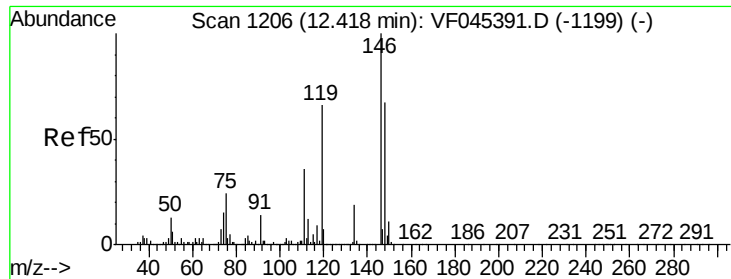
MMDadoda
 9/17/2015 12:50:35 PM



#85
 p-Isopropyltoluene
 Concen: 5.29 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.3	13.0	38.9
91	22.7	12.2	36.6





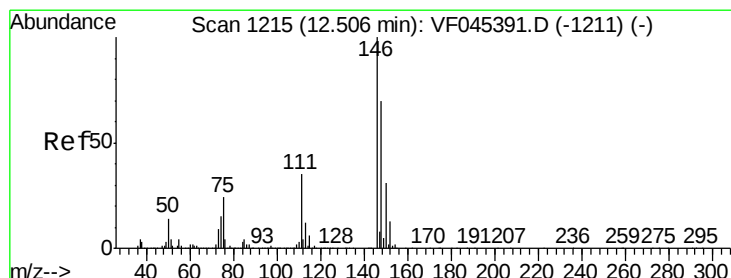
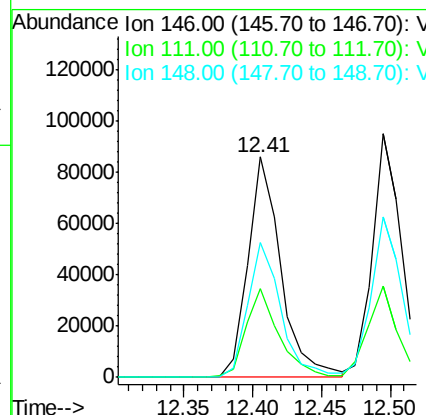
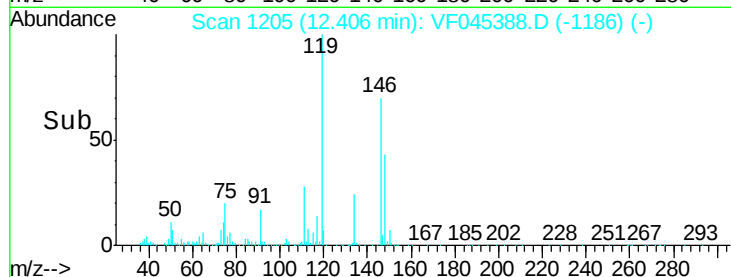
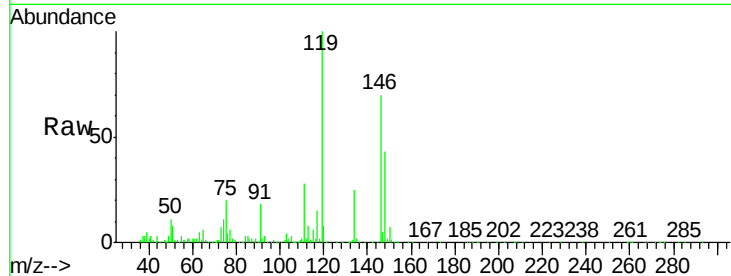
#86
 1,3-Dichlorobenzene
 Concen: 5.18 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	61.4	32.5	97.4

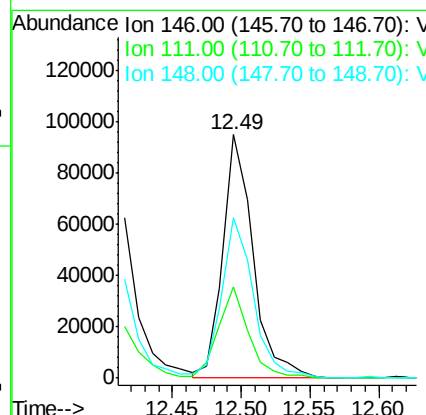
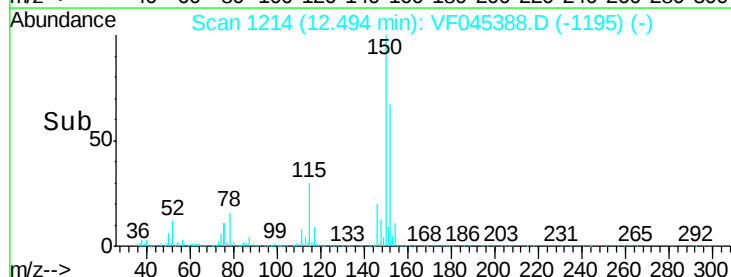
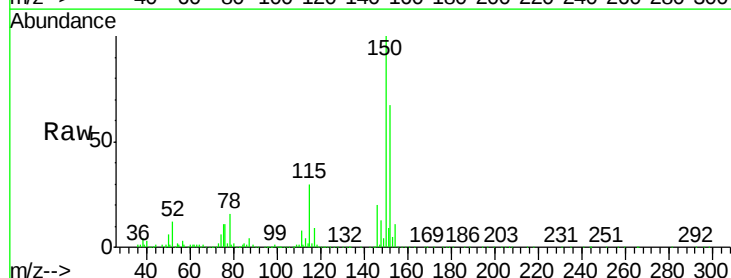
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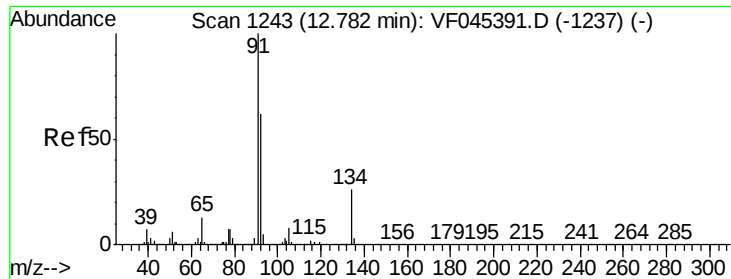
MMDadoda
 9/17/2015 12:50:35 PM



#87
 1,4-Dichlorobenzene
 Concen: 5.21 ug/l
 RT: 12.49 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.3	52.0
148	65.8	32.4	97.0





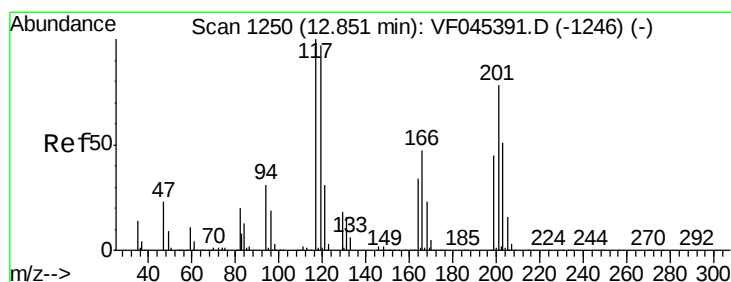
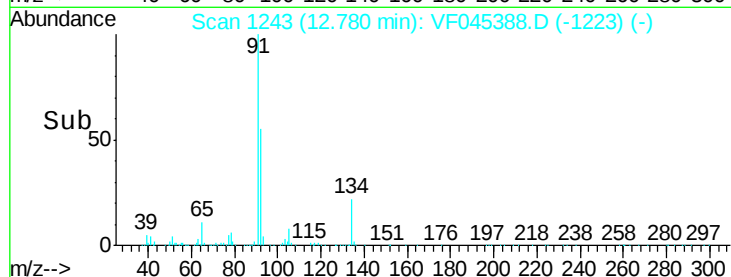
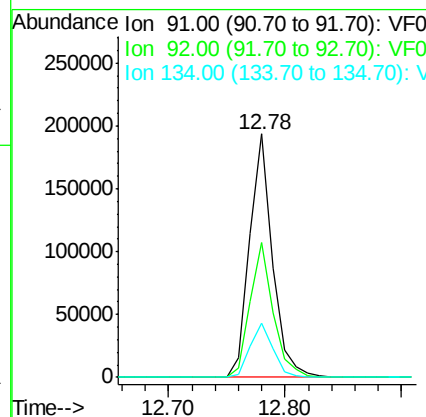
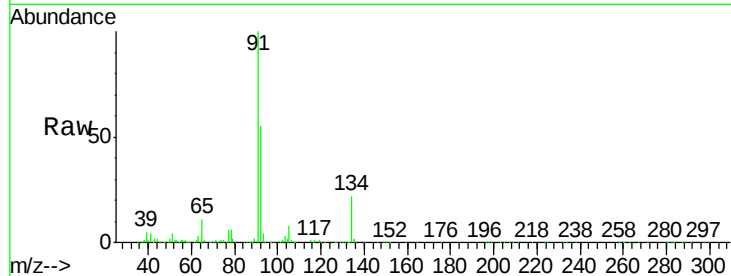
#88
n-Butylbenzene
Concen: 4.78 ug/l
RT: 12.78 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	264242		
92	55.1	30.1	90.5	
134	22.3	13.8	41.4	

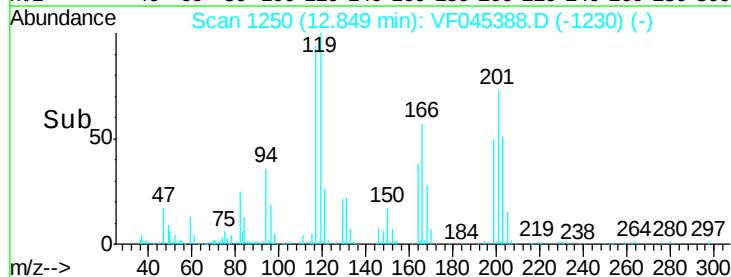
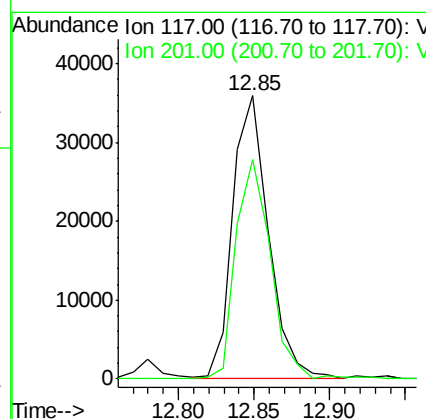
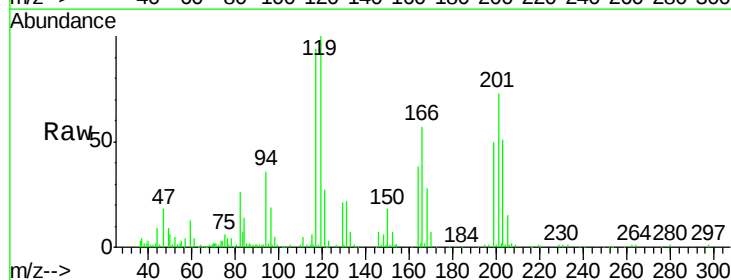
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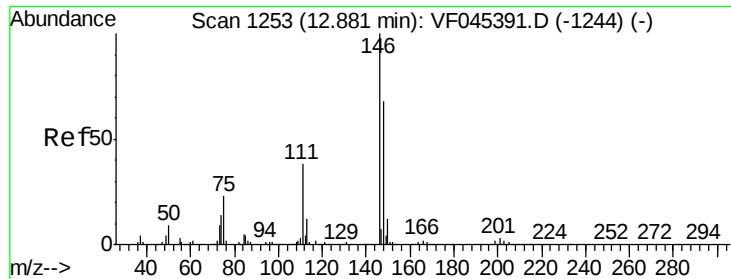
MMDadoda
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#89
Hexachloroethane
Concen: 5.14 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VF045388.D
Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59020		
201	77.3	42.0	126.1	





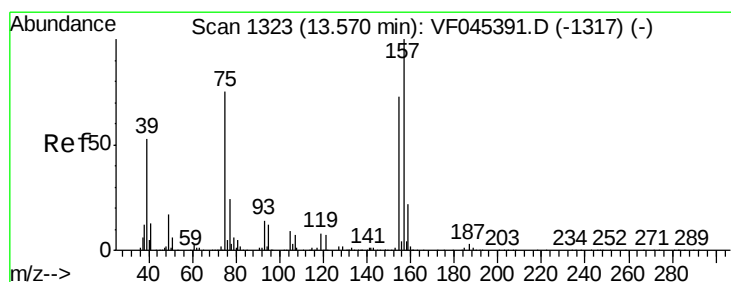
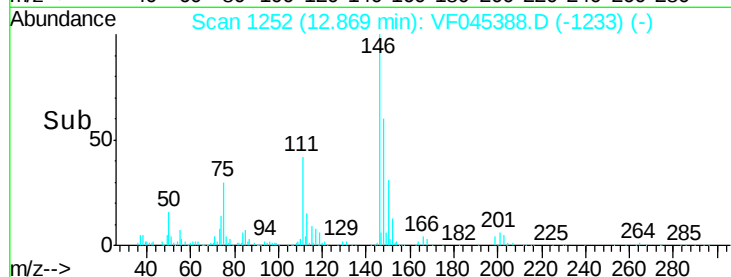
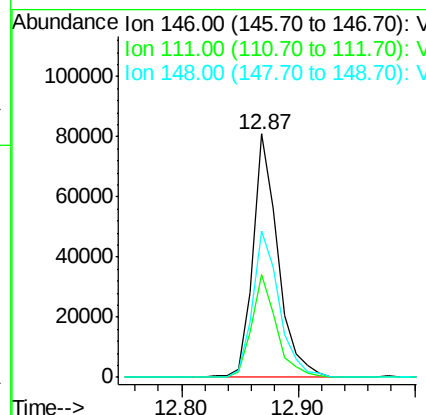
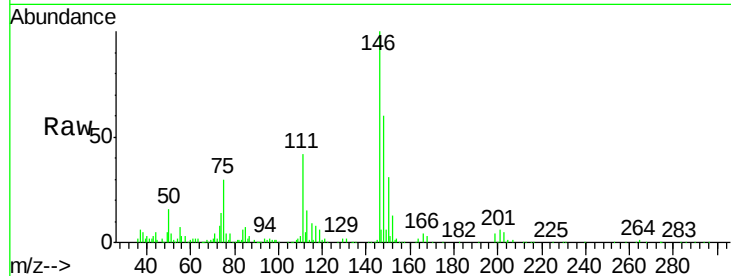
#90
 1,2-Dichlorobenzene
 Concen: 4.74 ug/l
 RT: 12.87 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	60.1	31.4	94.3

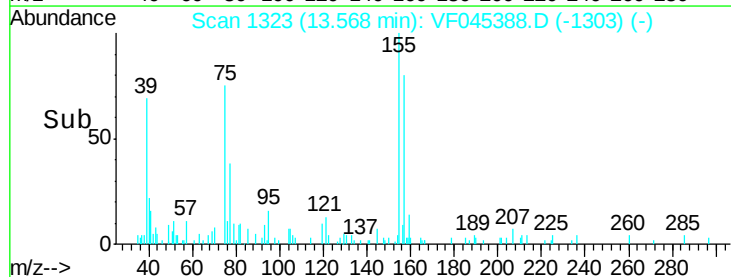
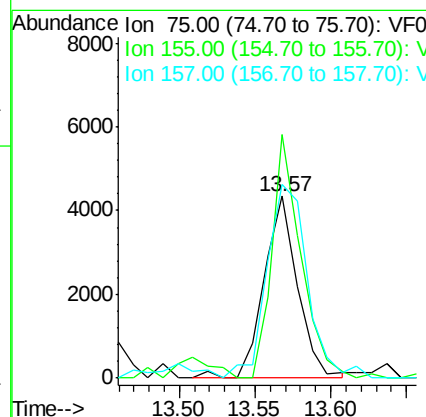
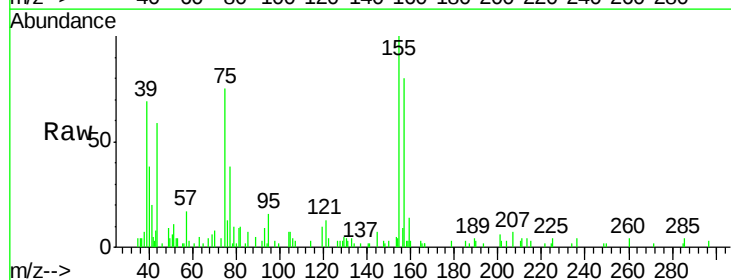
Manual Integrations
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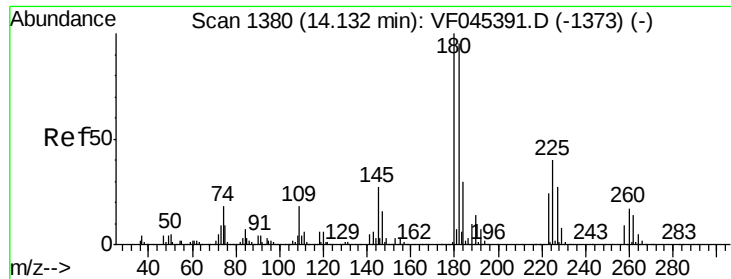
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 3.64 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	134.0	49.2	147.6
157	106.7	66.8	200.4





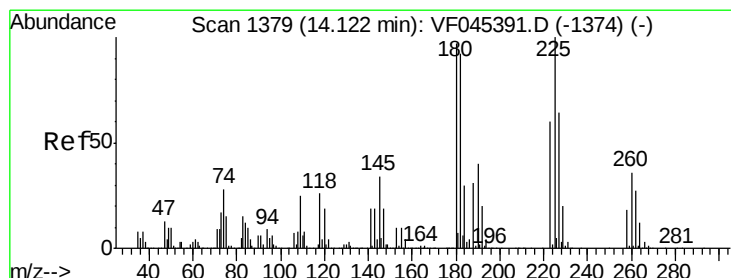
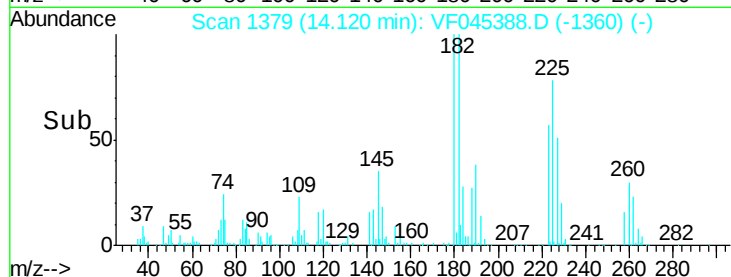
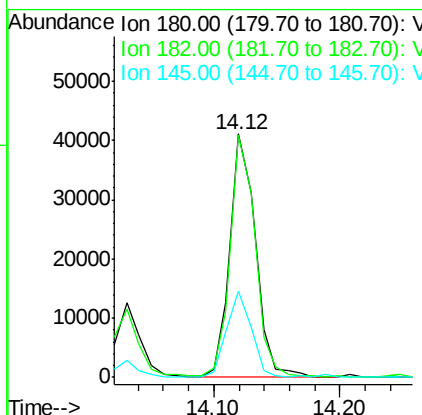
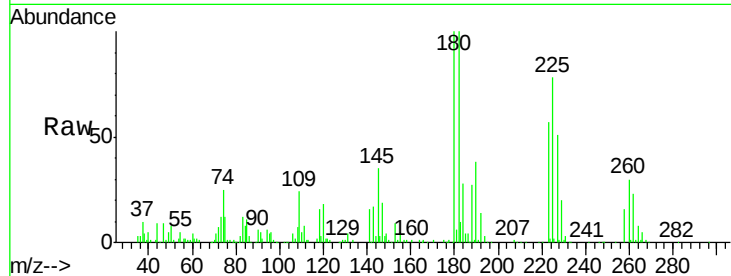
#92
 1,2,4-Trichlorobenzene
 Concen: 4.23 ug/l
 RT: 14.12 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58031		
182	99.6	49.4	148.0	
145	35.3	16.7	50.1	

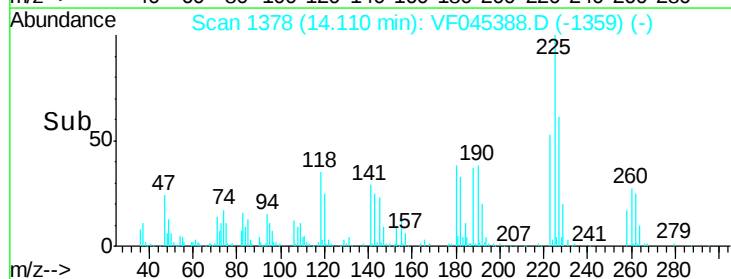
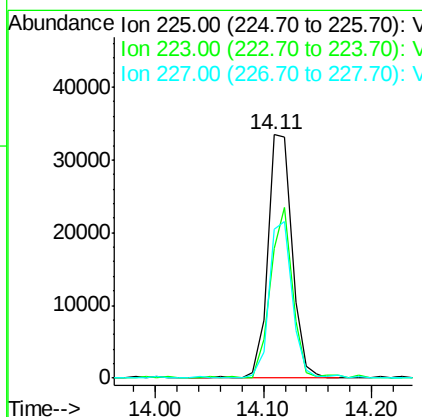
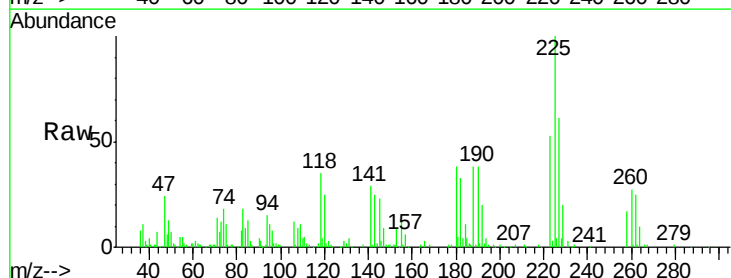
Manual Integrations
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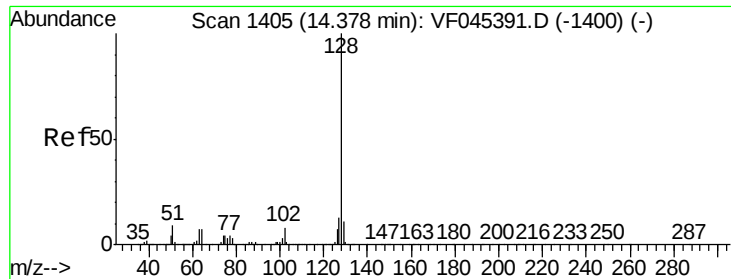
MMDadoda
 9/17/2015 12:50:35 PM



#93
 Hexachlorobutadiene
 Concen: 4.95 ug/l
 RT: 14.11 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VF045388.D
 Acq: 16 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52107		
223	51.2	31.9	95.5	
227	59.1	32.9	98.7	





#94

Naphthalene

Concen: 3.69 ug/l

RT: 14.38 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Instrument :

MSVOA_F

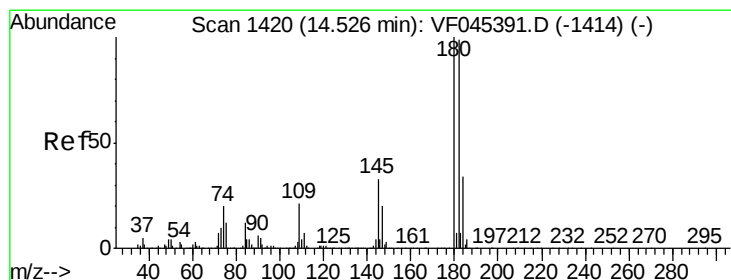
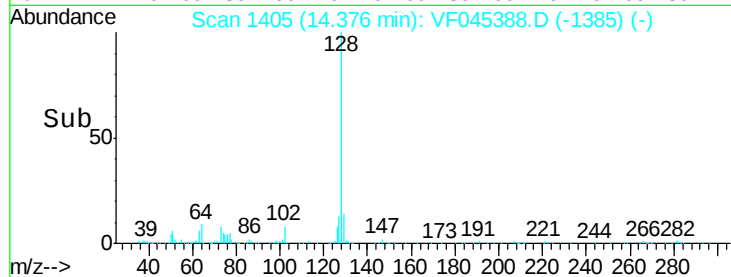
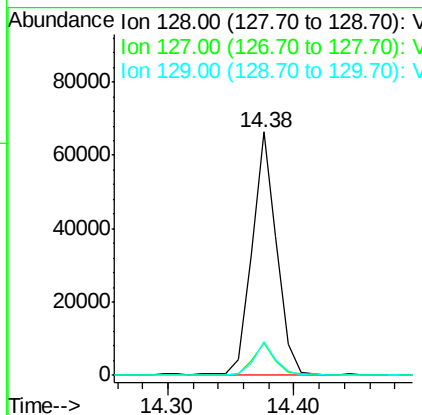
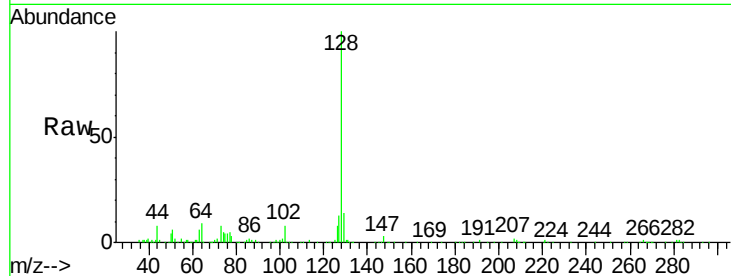
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	89135
Ion Ratio		Lower	Upper
128	100		
127	13.4	9.8	14.8
129	14.0	8.8	13.2#

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:50:35 PM



#95

1,2,3-Trichlorobenzene

Concen: 4.52 ug/l

RT: 14.52 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF045388.D

Acq: 16 Sep 2015 13:15

Tgt Ion:	180	Resp:	49928
Ion Ratio		Lower	Upper
180	100		
182	109.9	47.6	142.8
145	20.5	14.5	43.6

