

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045397.D
 Acq On : 16 Sep 2015 18:40
 Operator : FY/SY
 Sample : VF0916SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:15 PM

Quant Time: Sep 17 07:27:54 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1091699	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1597250	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.71	117	1435519	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	848185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.78	65	502792	42.89	ug/l	0.02
Spiked Amount						
			Recovery	=	85.78%	
34) Dibromofluoromethane	4.04	113	566652	45.80	ug/l	0.02
Spiked Amount						
			Recovery	=	91.60%	
49) Toluene-d8	7.50	98	1794430	49.23	ug/l	0.00
Spiked Amount						
			Recovery	=	98.46%	
61) 4-Bromofluorobenzene	11.35	95	769048	43.89	ug/l	0.00
Spiked Amount						
			Recovery	=	87.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	195028	20.98	ug/l	90
3) Chloromethane	1.03	50	167426	21.03	ug/l	92
4) Vinyl Chloride	1.09	62	138417	20.29	ug/l	94
5) Bromomethane	1.26	94	84082	19.85	ug/l	96
6) Chloroethane	1.33	64	59901	22.03	ug/l	# 81
7) Trichlorofluoromethane	1.39	101	274654m	19.62	ug/l	
8) Diethyl Ether	1.60	74	48153	16.46	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.78	101	159989	19.86	ug/l	# 91
10) Methyl Iodide	1.81	142	323324	19.63	ug/l	92
11) Tert butyl alcohol	2.51	59	10550	80.08	ug/l	# 82
12) 1,1-Dichloroethene	1.72	96	135742	20.28	ug/l	99
13) Acrolein	1.96	56	51922	95.12	ug/l	90
14) Allyl chloride	2.05	41	209328	20.16	ug/l	97
15) Acrylonitrile	2.88	53	109332	86.84	ug/l	86
16) Acetone	2.19	43	212147	79.71	ug/l	99
17) Carbon Disulfide	1.73	76	437841	19.20	ug/l	100
18) Methyl Acetate	2.30	43	197075	19.30	ug/l	# 91
19) Methyl tert-butyl Ether	2.39	73	97470	18.51	ug/l	95
20) Methylene Chloride	2.13	84	139864	16.02	ug/l	90
21) trans-1,2-Dichloroethene	2.27	96	148000	19.73	ug/l	94
22) Diisopropyl ether	2.75	45	413342	18.68	ug/l	# 98
23) Vinyl Acetate	3.14	43	558046	86.37	ug/l	# 93
24) 1,1-Dichloroethane	2.82	63	300168	20.04	ug/l	99
25) 2-Butanone	4.26	43	329426	88.48	ug/l	96
26) 2,2-Dichloropropane	3.54	77	282515	20.25	ug/l	96
27) cis-1,2-Dichloroethene	3.41	96	226780	19.57	ug/l	91
28) Bromochloromethane	3.65	49	128618	21.86	ug/l	# 91
29) Chloroform	3.80	83	429044	20.37	ug/l	96
30) Cyclohexane	3.65	56	295884	21.89	ug/l	93
31) 1,1,1-Trichloroethane	4.03	97	343480	19.69	ug/l	96
35) 1,1-Dichloropropene	4.22	75	291028	19.21	ug/l	96
36) Ethyl Acetate	4.04	43	124965	16.30	ug/l	# 25
37) Carbon Tetrachloride	3.93	117	312104	19.55	ug/l	99
38) Methylcyclohexane	5.40	83	342970	21.06	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	727543	20.54	ug/l	98
40) Methacrylonitrile	4.68	41	64354	17.73	ug/l	92
41) 1,2-Dichloroethane	4.88	62	284056	19.88	ug/l	91
42) Isopropyl Acetate	6.91	43	170151	16.84	ug/l #	95
43) Trichloroethene	5.44	130	246113	20.34	ug/l	96
44) 1,2-Dichloropropane	6.17	63	198861	19.27	ug/l	98
45) Dibromomethane	6.02	93	141944	19.33	ug/l	92
46) Bromodichloromethane	6.33	83	308067	18.73	ug/l	93
47) Methyl methacrylate	6.66	41	106443	17.36	ug/l	94
48) 1,4-Dioxane	6.65	88	25352	345.17	ug/l #	84
50) 4-Methyl-2-Pentanone	8.20	43	657306	91.51	ug/l	99
51) Toluene	7.57	92	558290	20.45	ug/l	97
52) t-1,3-Dichloropropene	8.22	75	279759	18.92	ug/l	96
53) cis-1,3-Dichloropropene	7.24	75	342154	19.60	ug/l	93
54) 1,1,2-Trichloroethane	8.43	97	173466	18.79	ug/l	95
55) Ethyl methacrylate	8.56	69	215029	17.90	ug/l	89
56) 1,3-Dichloropropane	8.78	76	284660	18.90	ug/l	95
58) 2-Hexanone	9.43	43	496381	86.82	ug/l	100
59) Dibromochloromethane	8.65	129	253019	19.34	ug/l	91
60) 1,2-Dibromoethane	8.92	107	190084	18.14	ug/l	86
63) Tetrachloroethene	8.09	164	242318	21.25	ug/l	97
64) Chlorobenzene	9.73	112	643295	21.36	ug/l	97
65) 1,1,1,2-Tetrachloroethane	9.86	131	239964	21.80	ug/l	98
66) Ethyl Benzene	9.84	91	1176351	22.54	ug/l	97
67) m/p-Xylenes	10.07	106	823060	44.01	ug/l	96
68) o-Xylene	10.65	106	438745	22.60	ug/l	97
69) Styrene	10.73	104	712926	23.01	ug/l	99
70) Bromoform	10.70	173	160481	19.64	ug/l #	96
72) Isopropylbenzene	11.08	105	1231026	21.66	ug/l	98
73) N-amyl acetate	11.32	43	275215	17.47	ug/l #	94
74) 1,1,2,2-Tetrachloroethane	11.64	83	246469	19.14	ug/l	95
75) 1,2,3-Trichloropropane	11.74	75	160131	18.08	ug/l	95
76) Bromobenzene	11.44	156	311953	19.36	ug/l	94
77) n-propylbenzene	11.54	91	1497356	21.23	ug/l	94
78) 2-Chlorotoluene	11.67	91	847762	21.48	ug/l	93
79) 1,3,5-Trimethylbenzene	11.78	105	969893	20.94	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.82	75	81996m	17.28	ug/l	
81) 4-Chlorotoluene	11.84	91	904404	20.73	ug/l	92
82) tert-Butylbenzene	12.08	119	977399	21.34	ug/l	96
83) 1,2,4-Trimethylbenzene	12.15	105	968371	20.39	ug/l	98
84) sec-Butylbenzene	12.25	105	1313493	20.63	ug/l	92
85) p-Isopropyltoluene	12.41	119	1047153	21.12	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	570976	20.84	ug/l	97
87) 1,4-Dichlorobenzene	12.50	146	549629	20.09	ug/l	93
88) n-Butylbenzene	12.79	91	1075372	21.58	ug/l	99
89) Hexachloroethane	12.86	117	225430	19.21	ug/l	96
90) 1,2-Dichlorobenzene	12.88	146	503375	19.97	ug/l	94
91) 1,2-Dibromo-3-Chloropropan	13.58	75	28272	16.53	ug/l #	57
92) 1,2,4-Trichlorobenzene	14.13	180	296202	20.31	ug/l	99
93) Hexachlorobutadiene	14.13	225	236960	21.39	ug/l	96

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ClientSampleId :
VF0916SBSD01

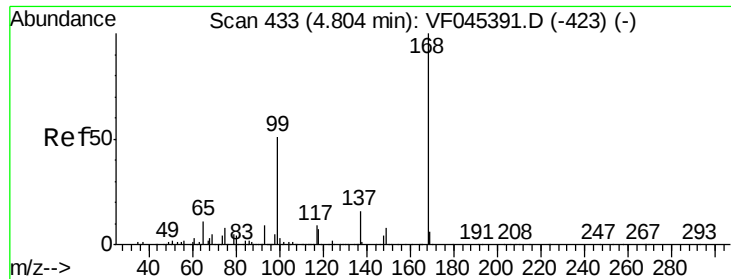
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	463442	17.94	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	246240	20.55	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion:168 Resp: 1091699

Ion Ratio Lower Upper

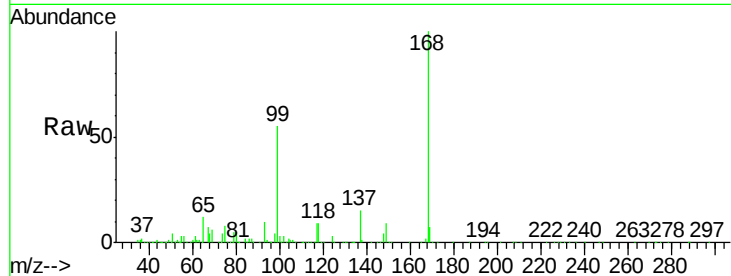
168 100

99 54.9 39.0 58.4

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

Ion 99.00 (98.70 to 99.70): VF0

4.81

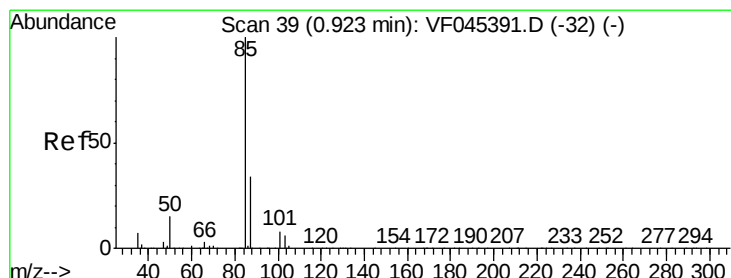
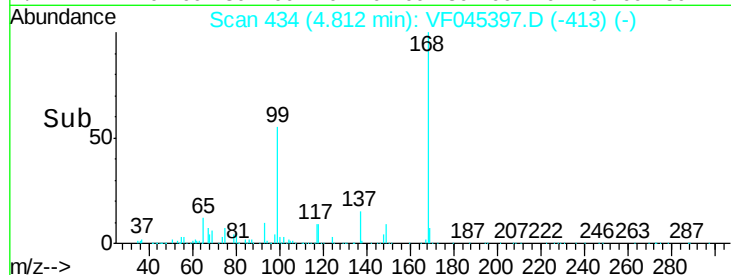
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.98 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045397.D

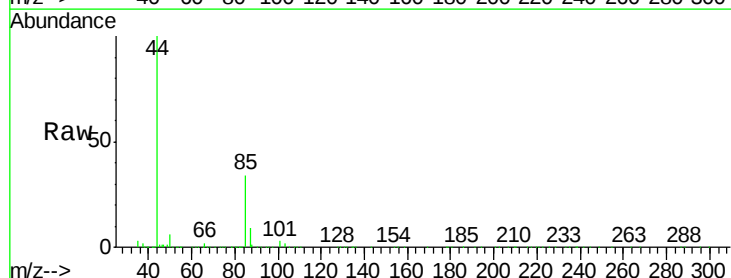
Acq: 16 Sep 2015 18:40

Tgt Ion: 85 Resp: 195028

Ion Ratio Lower Upper

85 100

87 25.8 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

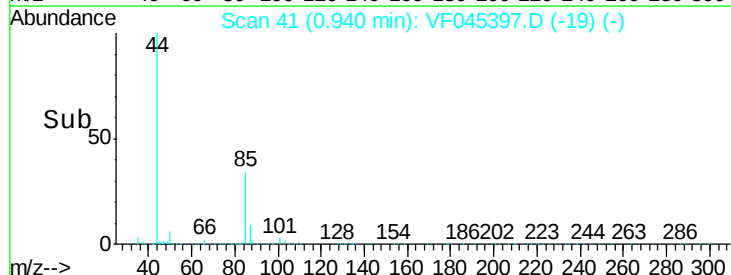
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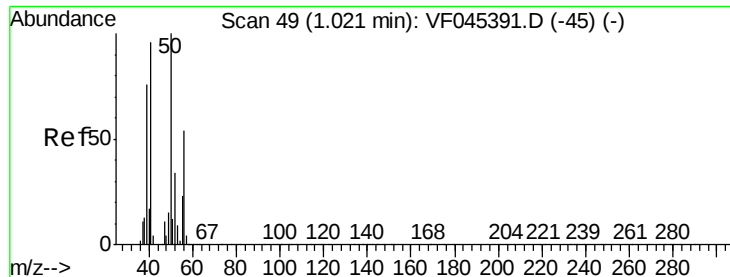
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.03 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 50 Resp: 167426

Ion Ratio Lower Upper

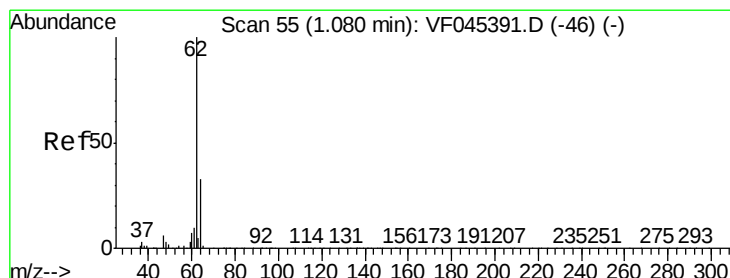
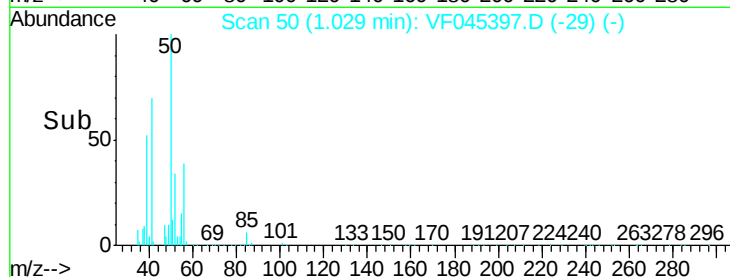
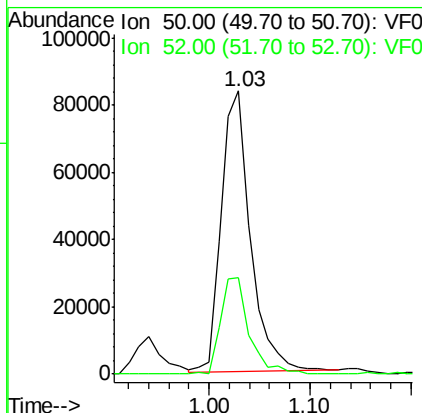
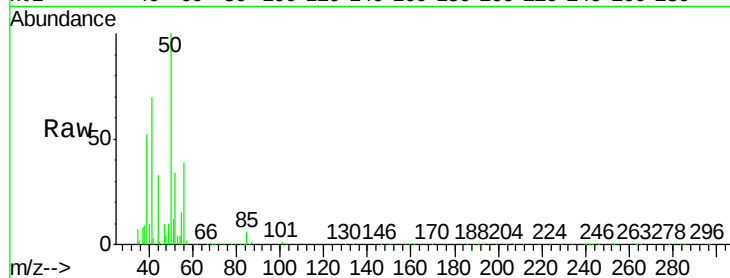
50 100

52 34.0 23.8 35.8

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#4

Vinyl Chloride

Concen: 20.29 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF045397.D

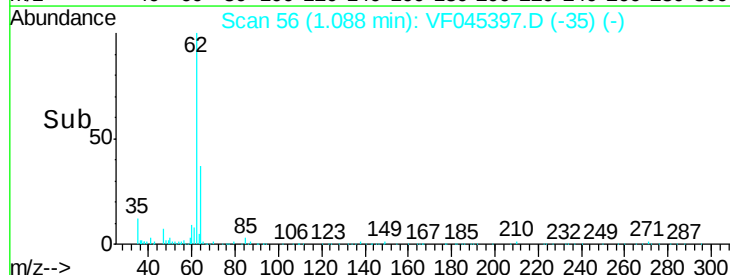
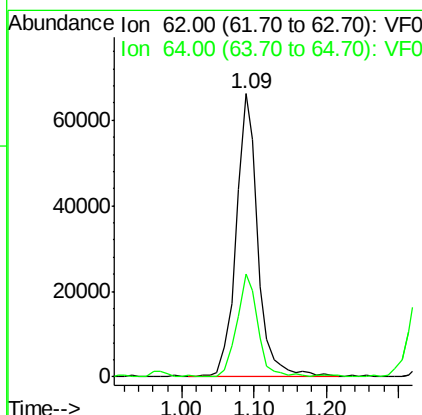
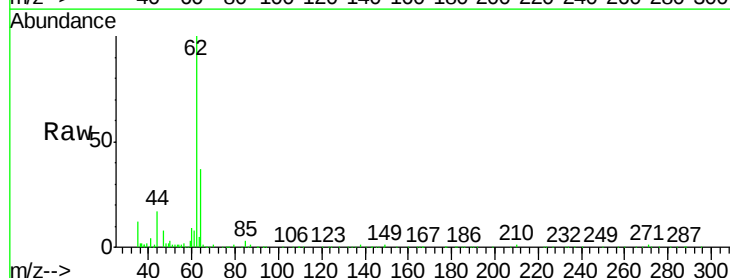
Acq: 16 Sep 2015 18:40

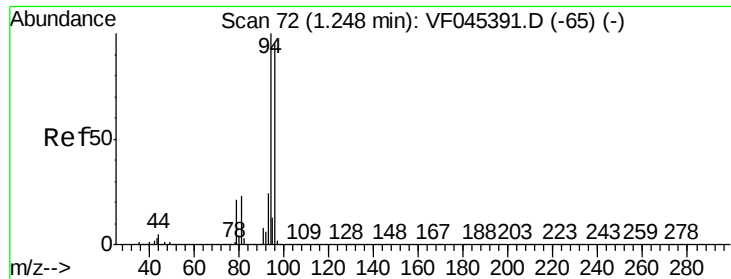
Tgt Ion: 62 Resp: 138417

Ion Ratio Lower Upper

62 100

64 36.5 26.6 39.8





#5

Bromomethane

Concen: 19.85 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 94 Resp: 84082

Ion Ratio Lower Upper

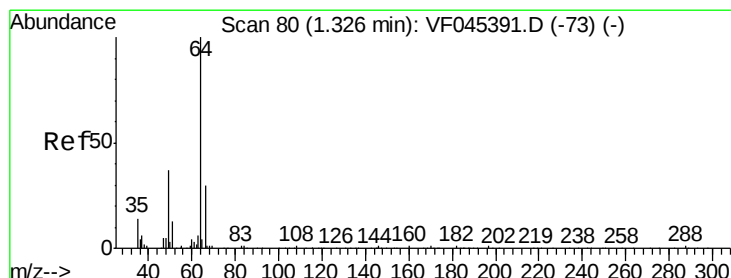
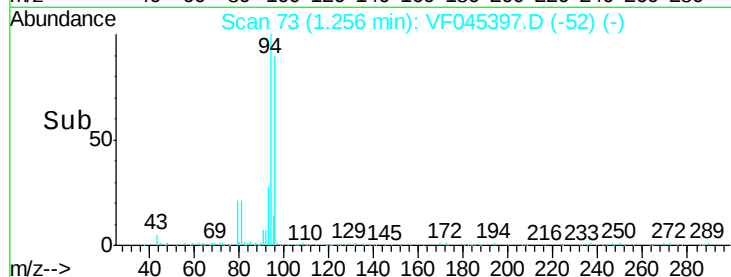
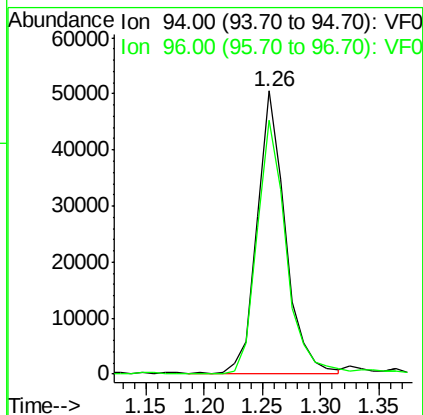
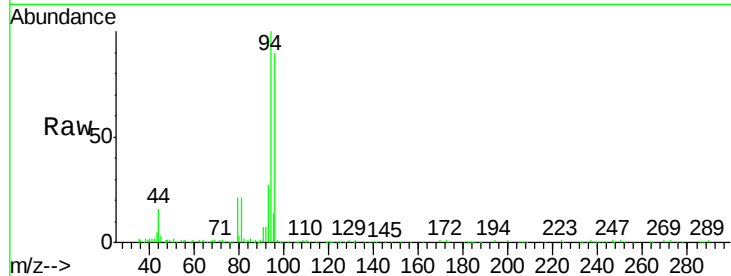
94 100

96 89.9 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 22.03 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045397.D

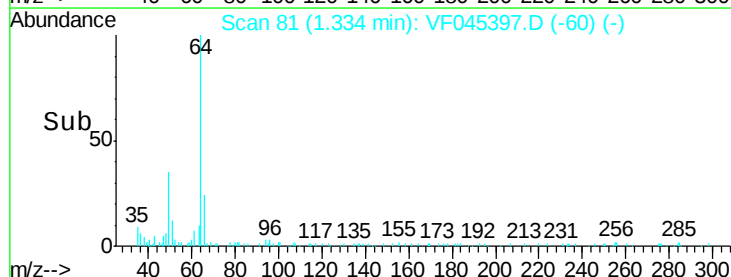
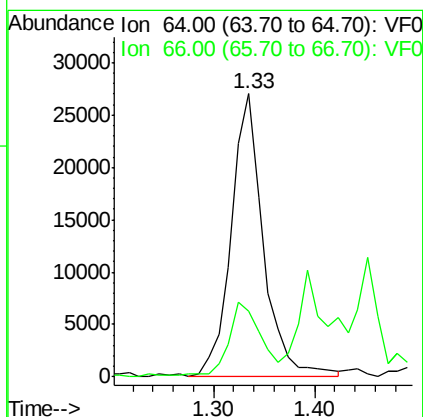
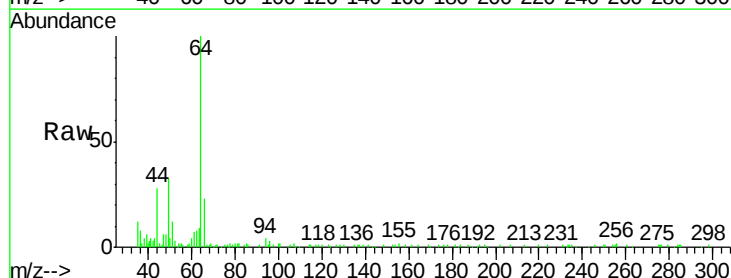
Acq: 16 Sep 2015 18:40

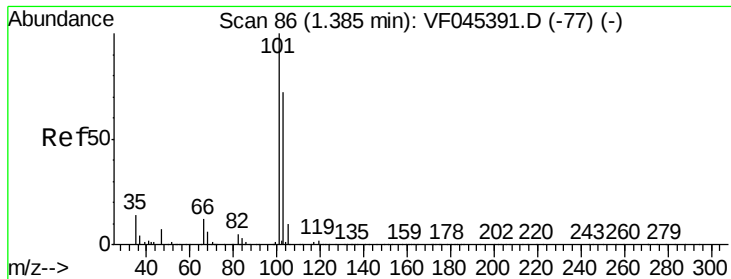
Tgt Ion: 64 Resp: 59901

Ion Ratio Lower Upper

64 100

66 23.1 27.3 40.9#





#7

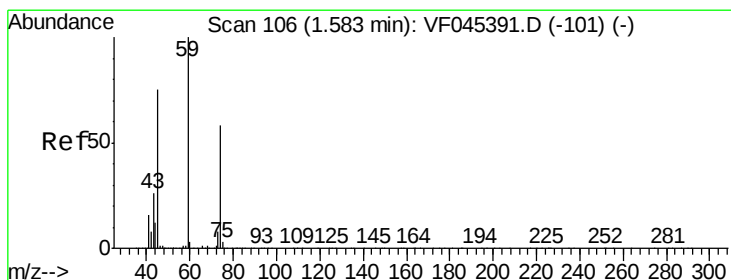
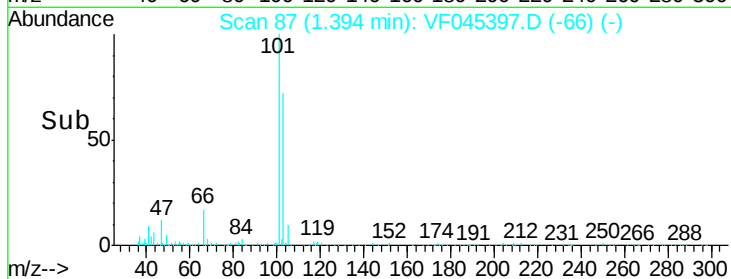
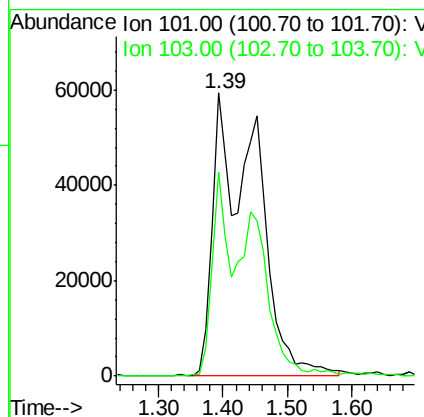
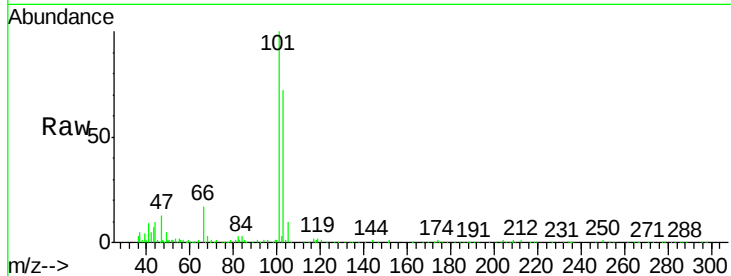
Trichlorofluoromethane
Concen: 19.62 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.2	50.8	76.2

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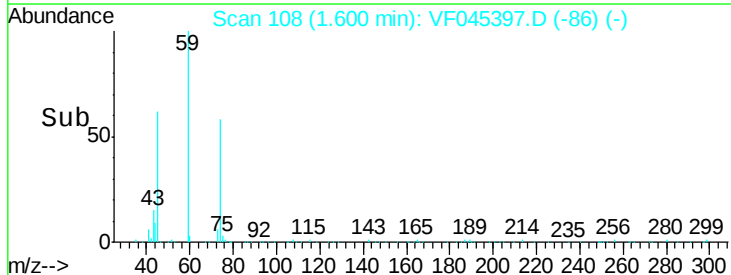
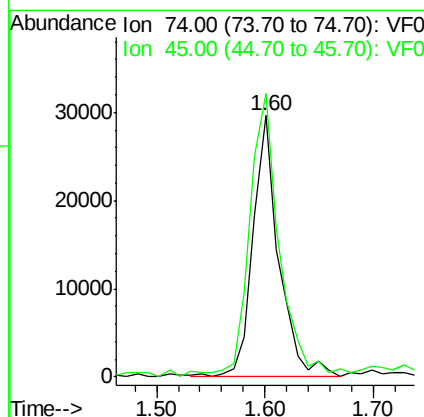
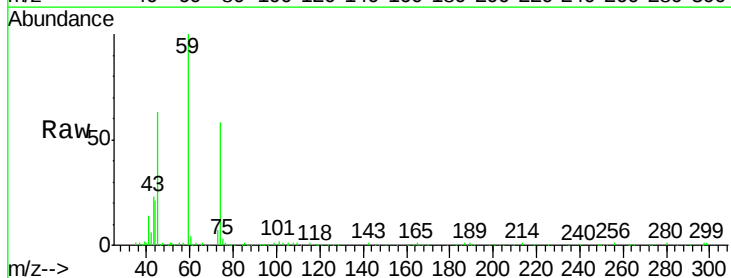
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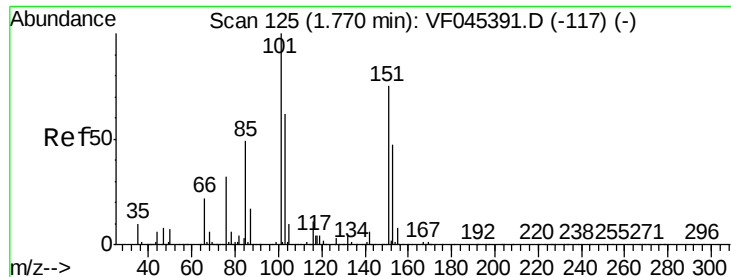


#8

Diethyl Ether
Concen: 16.46 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.4	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.86 ug/l

RT: 1.78 min Scan# 126

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

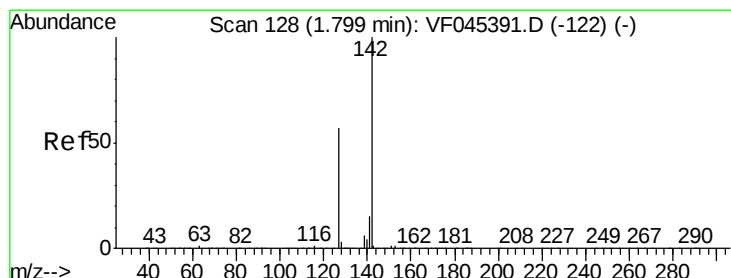
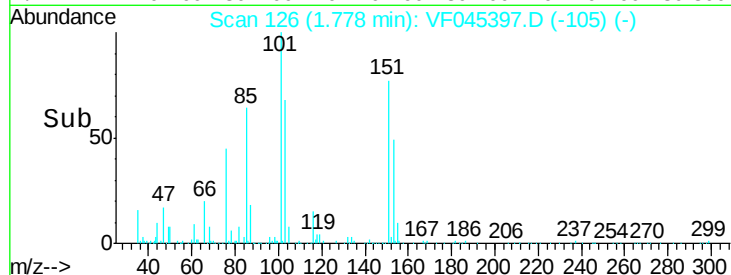
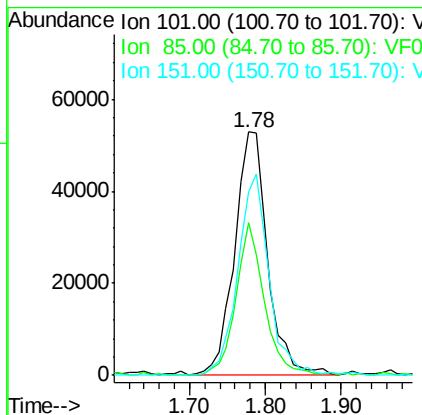
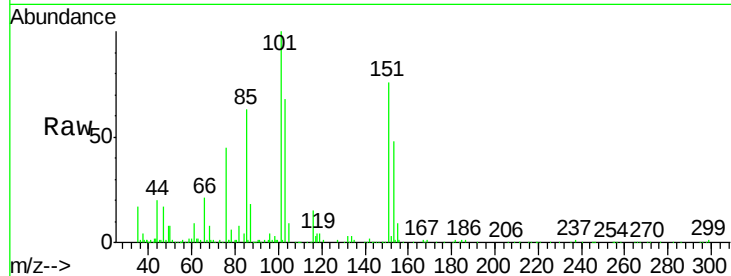
ClientSampleId :

VF0916SBS01

Tot Ion:	101	Resp:	159989
Ion Ratio	Lower	Upper	
101	100		
85	62.7	40.0	60.0#
151	75.5	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.63 ug/l

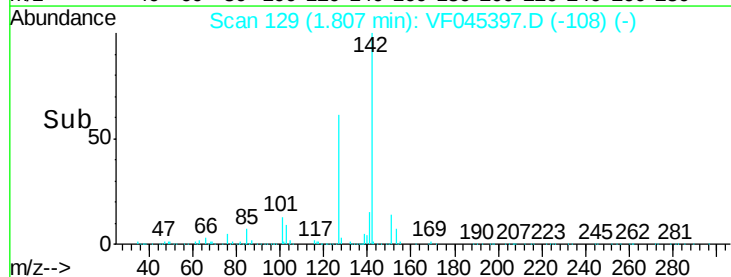
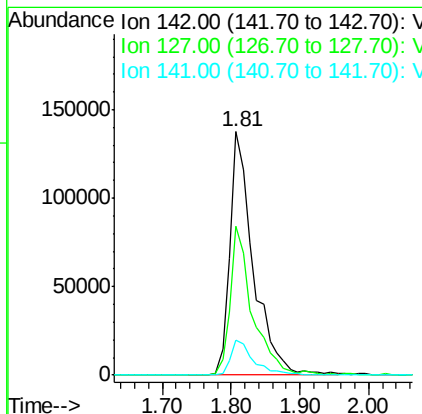
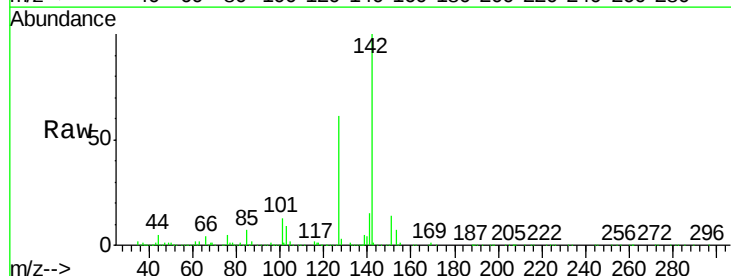
RT: 1.81 min Scan# 129

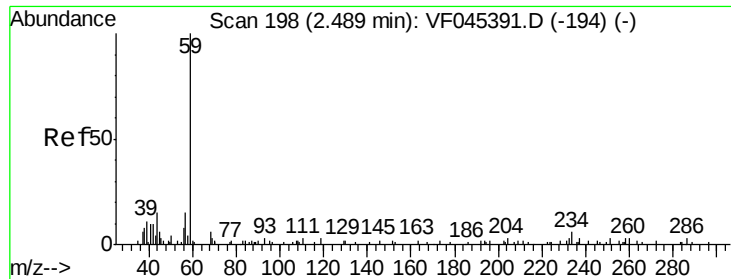
Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	142	Resp:	323324
Ion Ratio	Lower	Upper	
142	100		
127	61.4	43.3	64.9
141	14.5	12.1	18.1





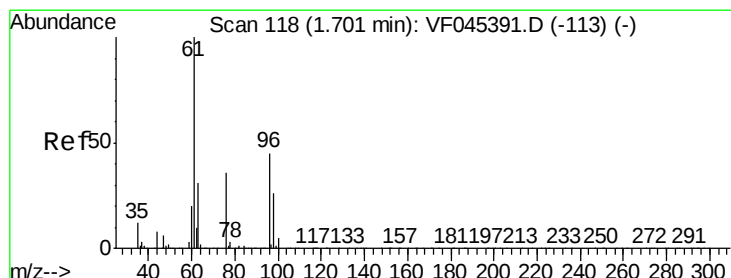
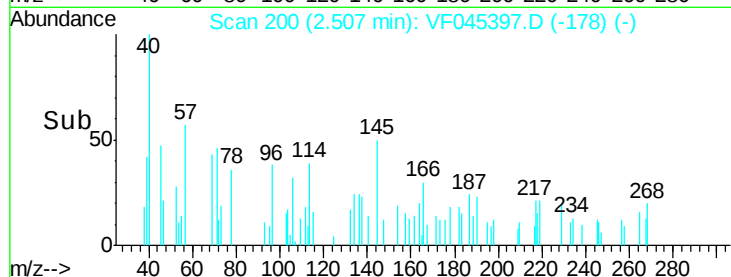
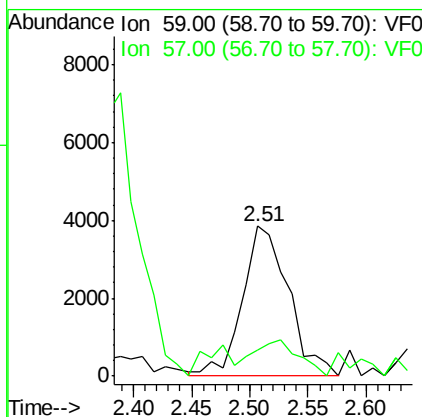
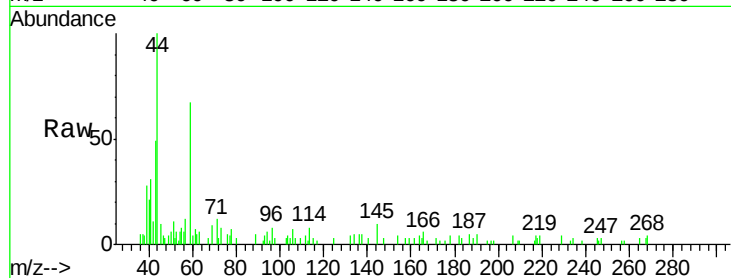
#11
Tert butyl alcohol
Concen: 80.08 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	10550		
57	57	17.4		8.6	13.0#

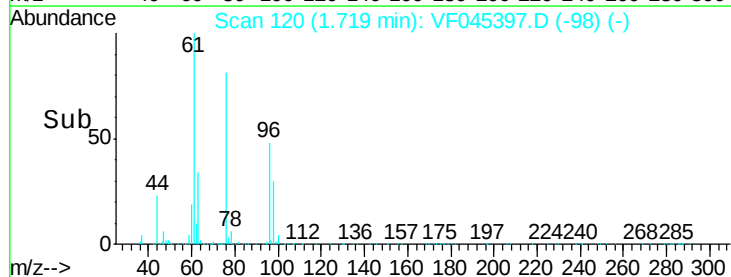
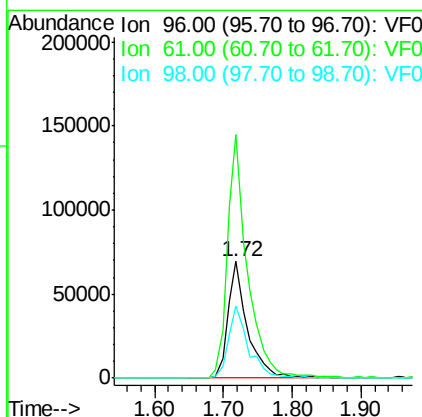
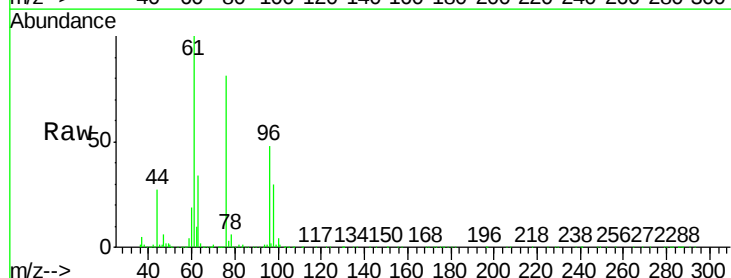
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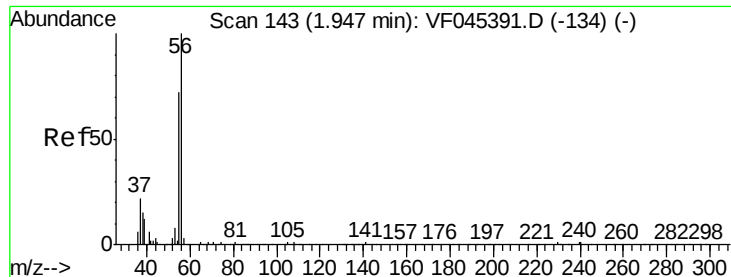
MMDadoda
9/17/2015 12:51:15 PM



#12
1,1-Dichloroethene
Concen: 20.28 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	135742		
61	61	209.1		165.8	248.8
98	98	62.2		51.2	76.8





#13

Acrolein

Concen: 95.12 ug/l

RT: 1.96 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 56 Resp: 51922

Ion Ratio Lower Upper

56 100

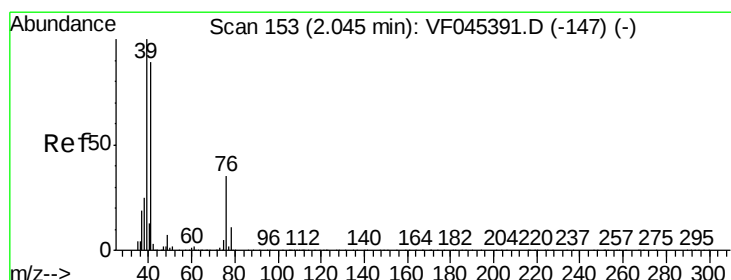
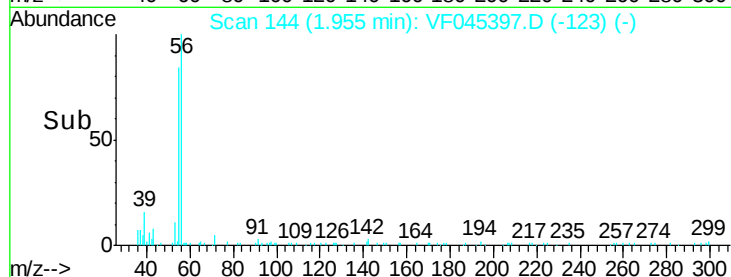
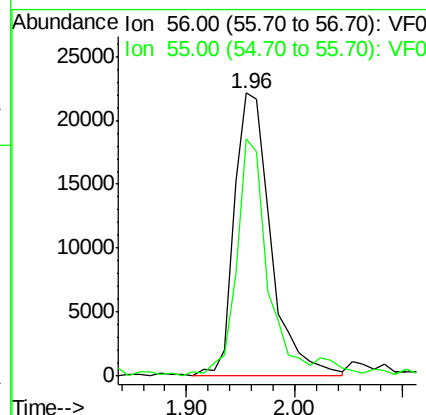
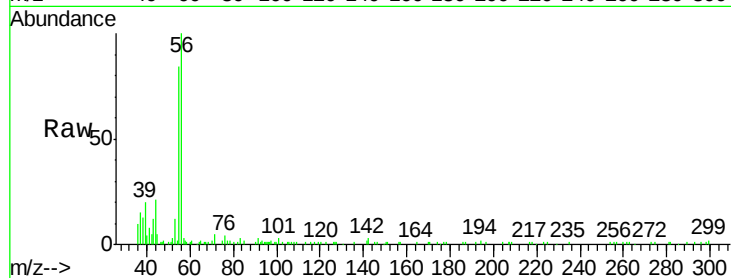
55 83.8 60.5 90.7

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#14

Allyl chloride

Concen: 20.16 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

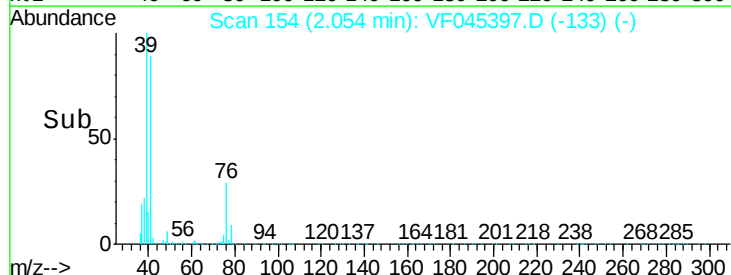
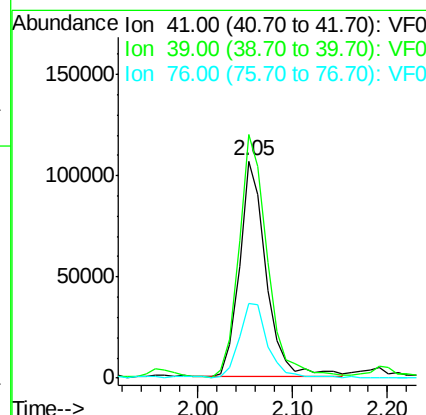
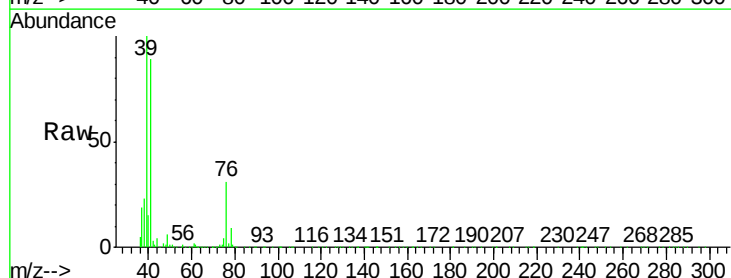
Tgt Ion: 41 Resp: 209328

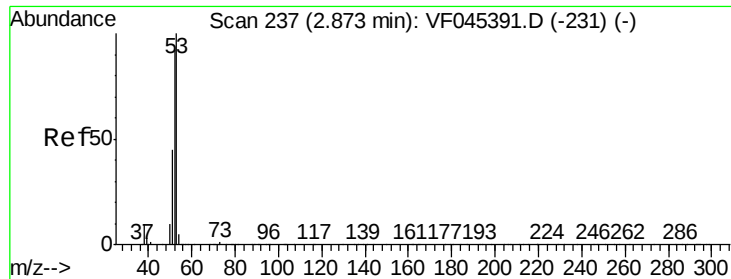
Ion Ratio Lower Upper

41 100

39 112.1 92.8 139.2

76 34.5 27.7 41.5





#15

Acrylonitrile

Concen: 86.84 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

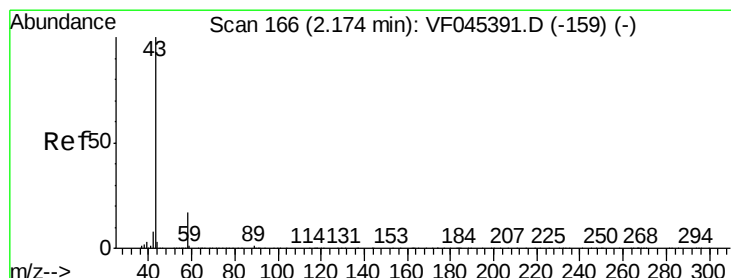
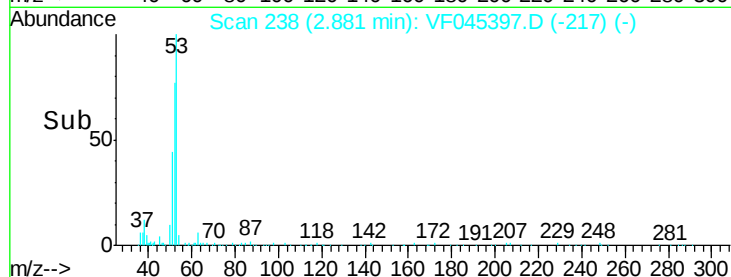
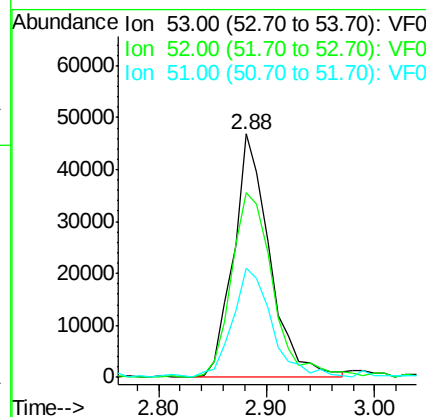
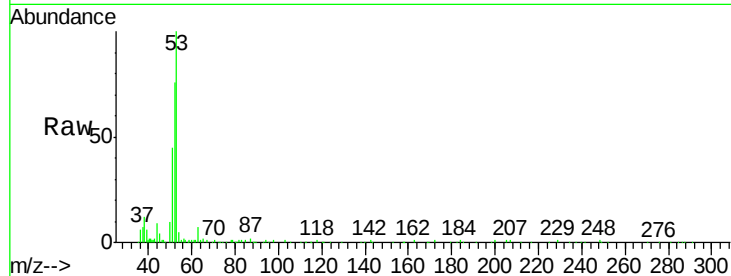
ClientSampleId :

VF0916SBS01

Tot Ion:	53	Resp:	109332
Ion Ratio	Lower	Upper	
53	100		
52	76.1	72.7	109.1
51	44.9	42.2	63.2

Manual Integrations
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#16

Acetone

Concen: 79.71 ug/l

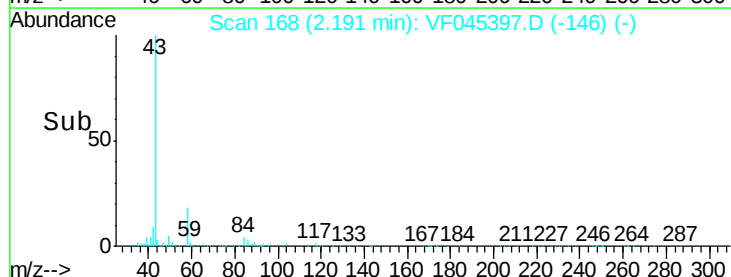
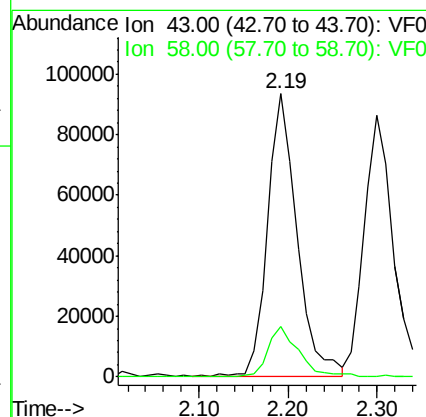
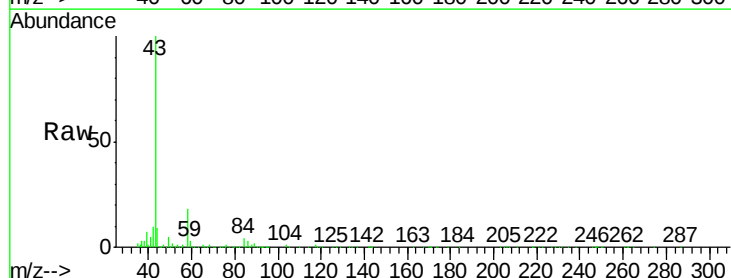
RT: 2.19 min Scan# 168

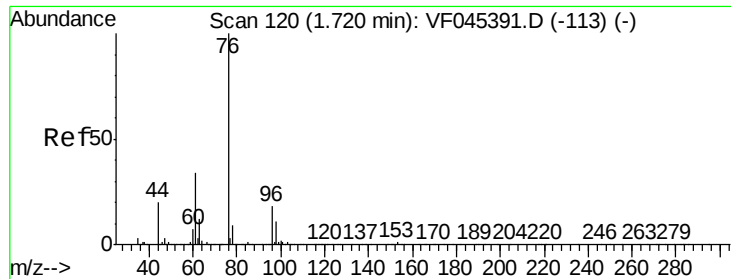
Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	43	Resp:	212147
Ion Ratio	Lower	Upper	
43	100		
58	17.8	13.9	20.9





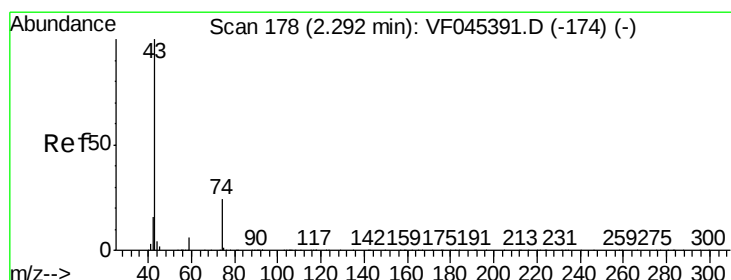
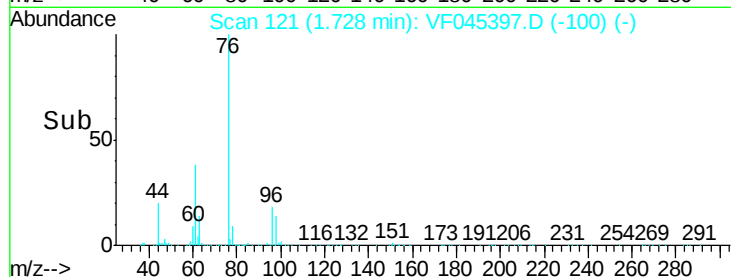
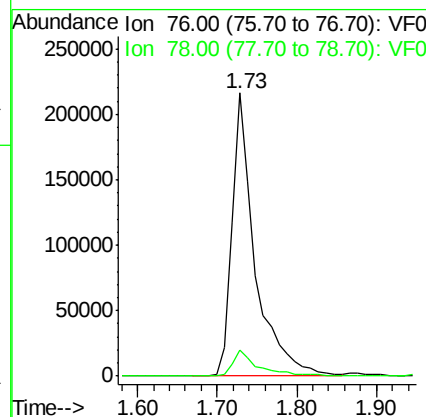
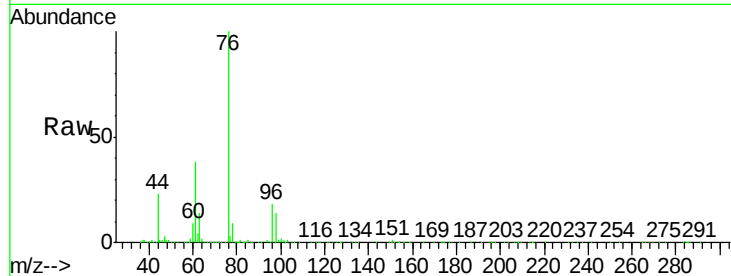
#17
Carbon Disulfide
Concen: 19.20 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.6	11.4

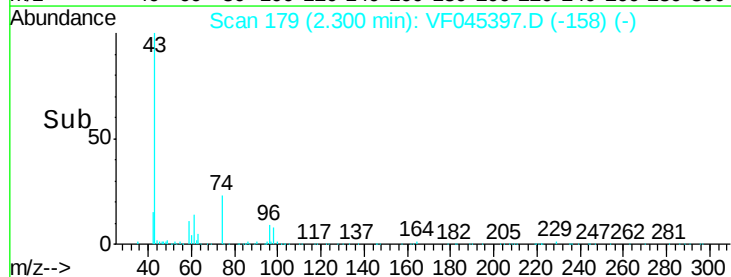
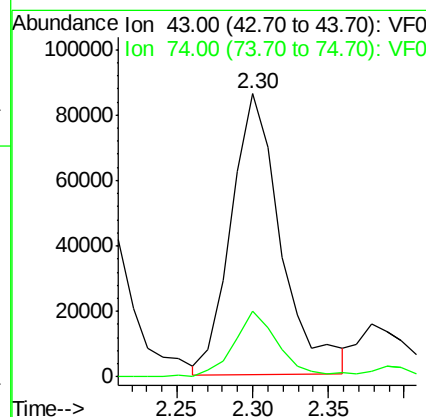
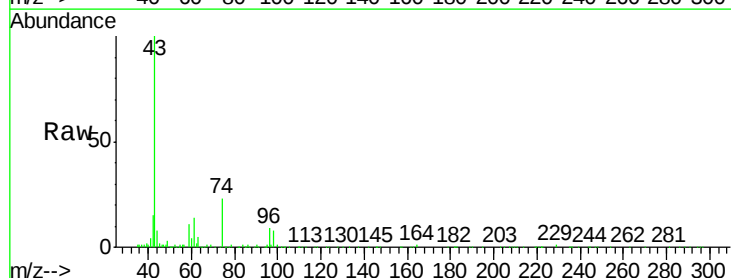
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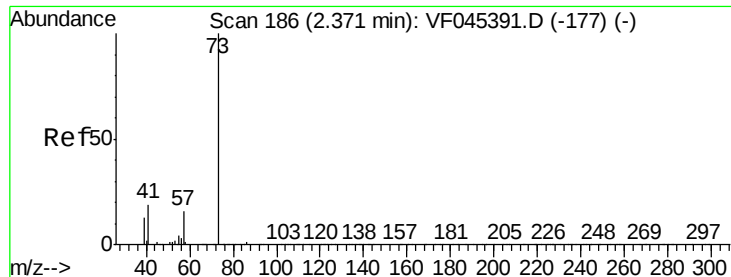
MMDadoda
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#18
Methyl Acetate
Concen: 19.30 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	15.1	22.7#





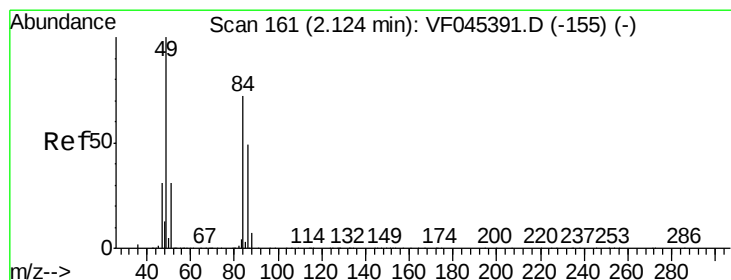
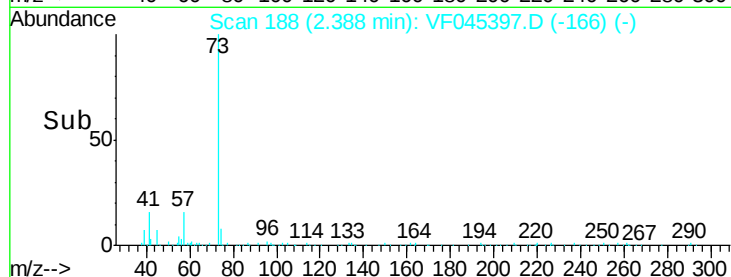
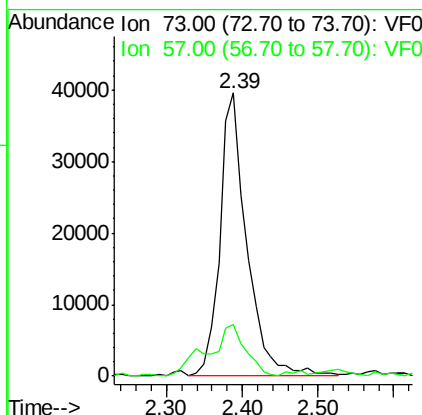
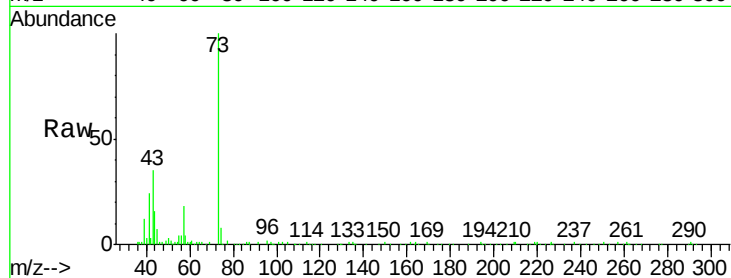
#19
Methvl tert-butvl Ether
Concen: 18.51 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion: 73 Resp: 97470
Ion Ratio Lower Upper
73 100
57 18.4 12.9 19.3

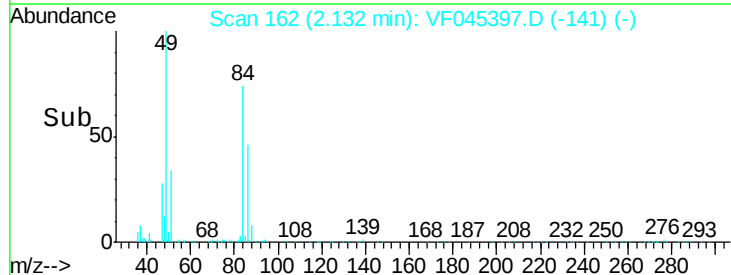
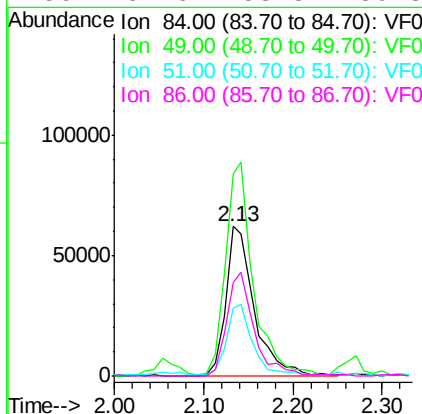
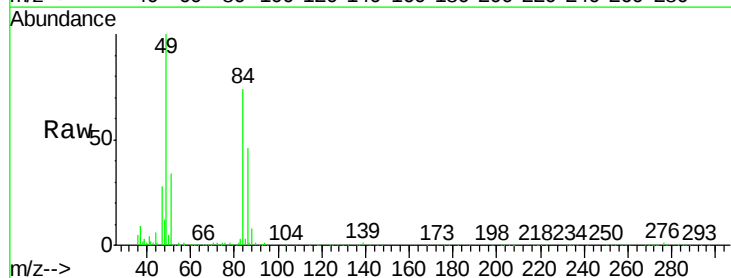
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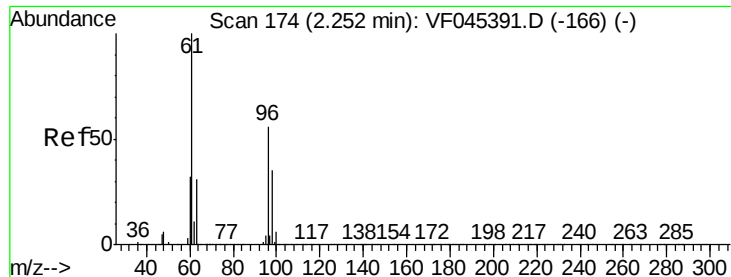
MMDadoda
9/17/2015 12:51:15 PM



#20
Methylene Chloride
Concen: 16.02 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion: 84 Resp: 139864
Ion Ratio Lower Upper
84 100
49 135.6 122.8 184.2
51 45.7 35.4 53.2
86 62.6 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 19.73 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

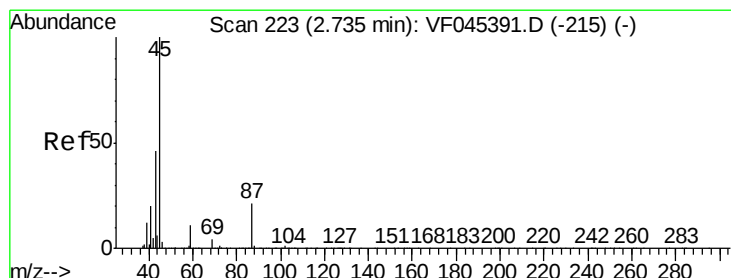
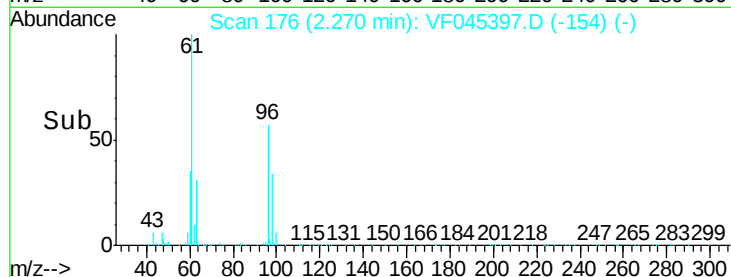
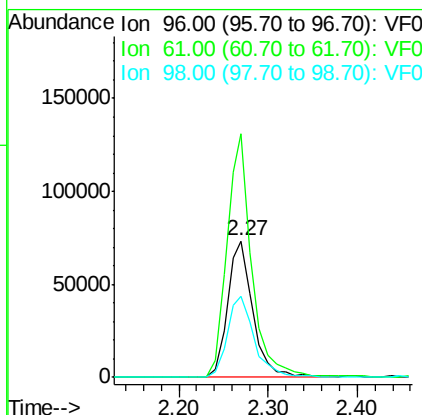
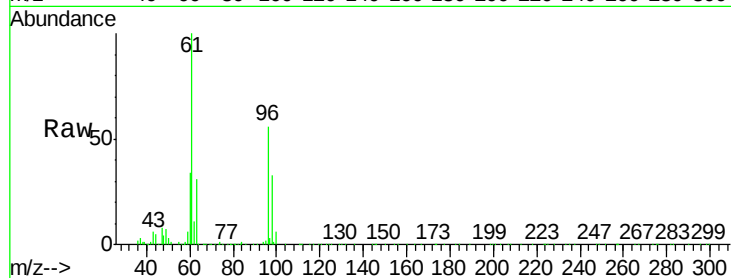
ClientSampleId :

VF0916SBS01

Tot Ion:	96	Resp:	148000
Ion Ratio	Lower	Upper	
96	100		
61	178.6	136.8	205.2
98	59.5	51.0	76.4

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#22

Diisopropyl ether

Concen: 18.68 ug/l

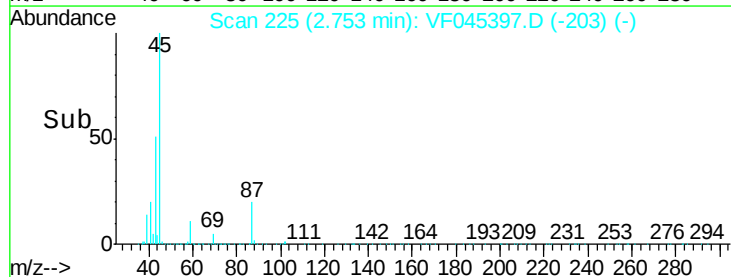
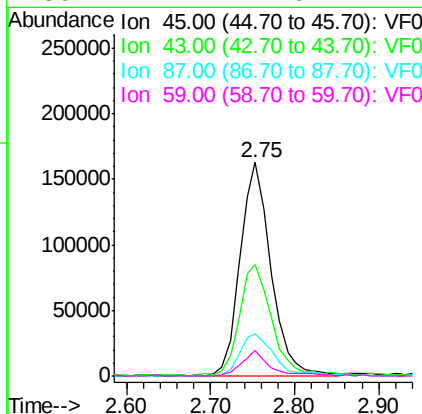
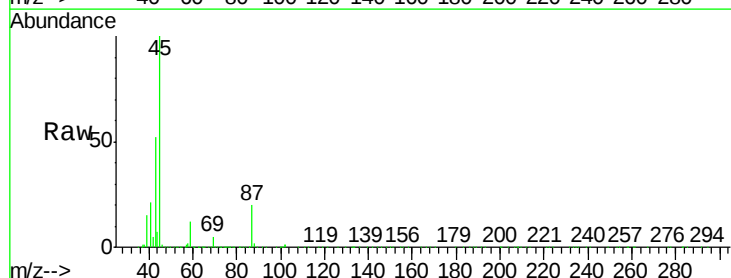
RT: 2.75 min Scan# 225

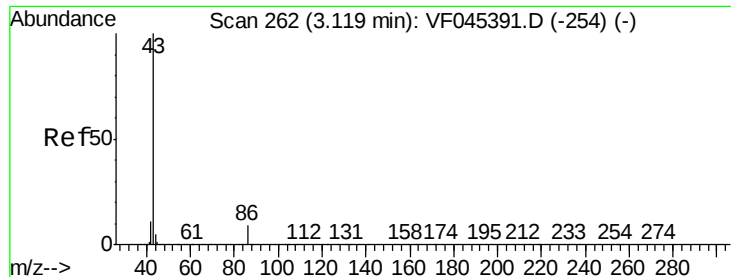
Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	45	Resp:	413342
Ion Ratio	Lower	Upper	
45	100		
43	52.1	42.2	63.4
87	19.5	16.6	25.0
59	12.1	7.6	11.4#





#23

Vinyl Acetate

Concen: 86.37 ug/l

RT: 3.14 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBSD01

Tot Ion: 43 Resp: 558046

Ion Ratio Lower Upper

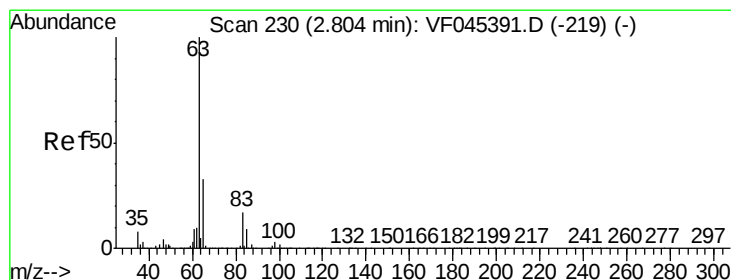
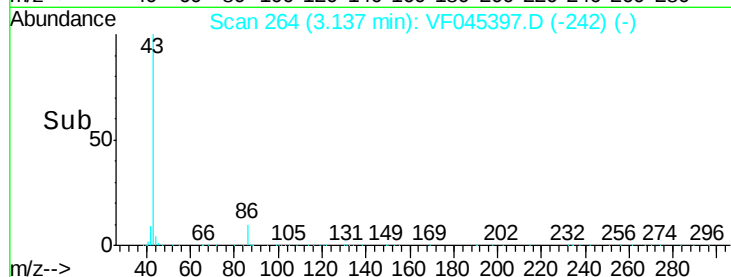
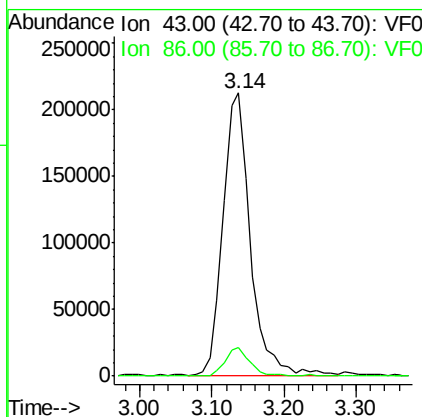
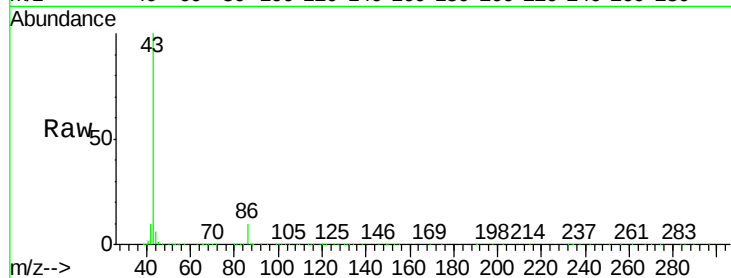
43 100

86 10.2 6.3 9.5#

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#24

1,1-Dichloroethane

Concen: 20.04 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

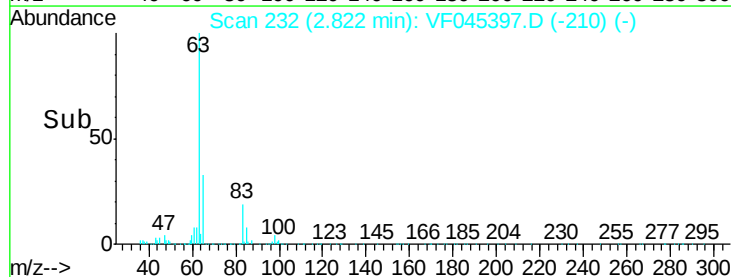
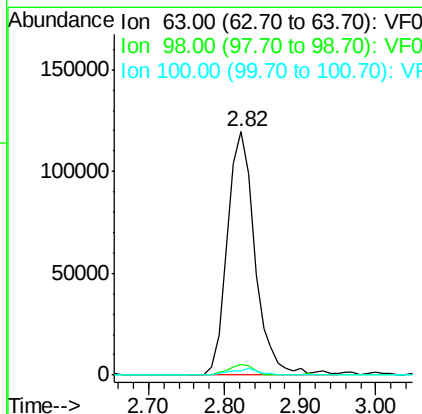
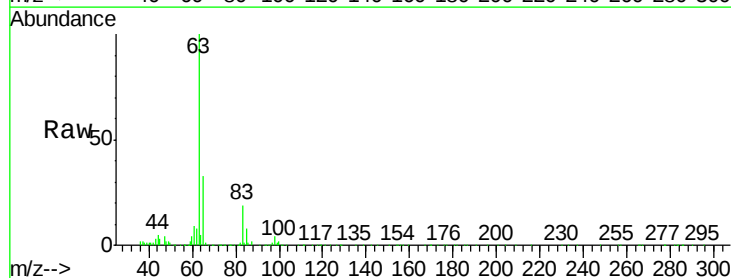
Tgt Ion: 63 Resp: 300168

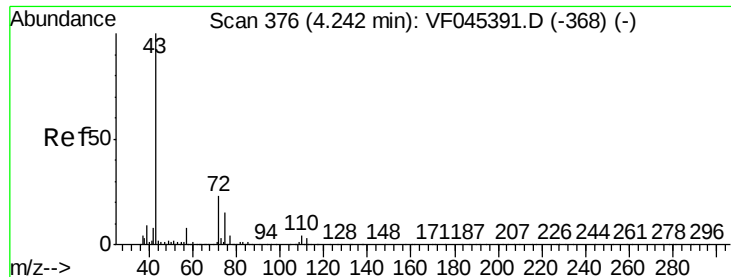
Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

100 1.9 1.1 3.5





#25

2-Butanone

Concen: 88.48 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 43 Resp: 329426

Ion Ratio Lower Upper

43 100

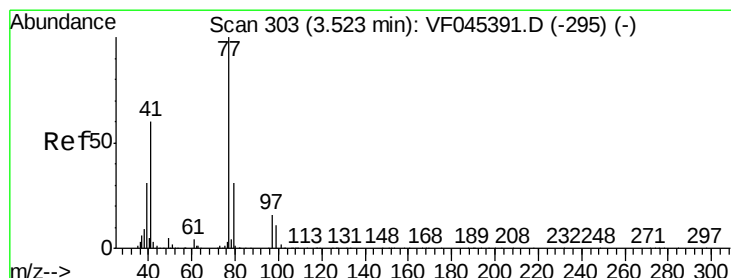
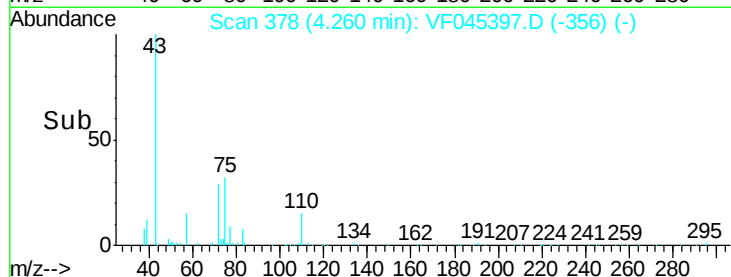
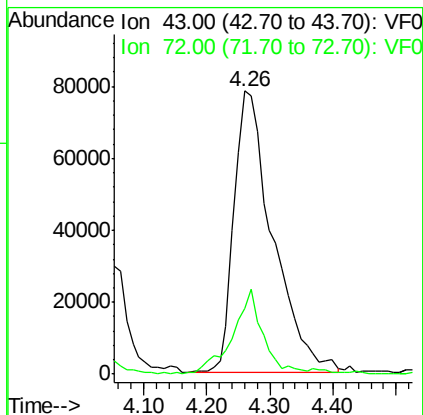
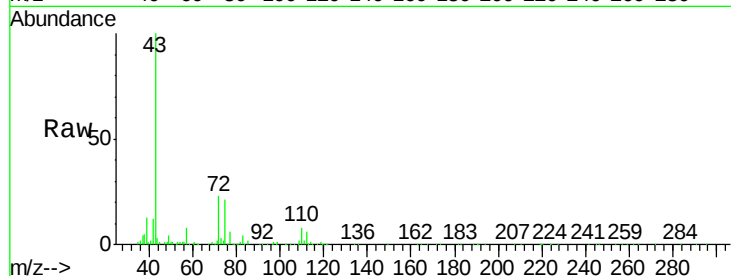
72 23.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.25 ug/l

RT: 3.54 min Scan# 305

Delta R.T. 0.02 min

Lab File: VF045397.D

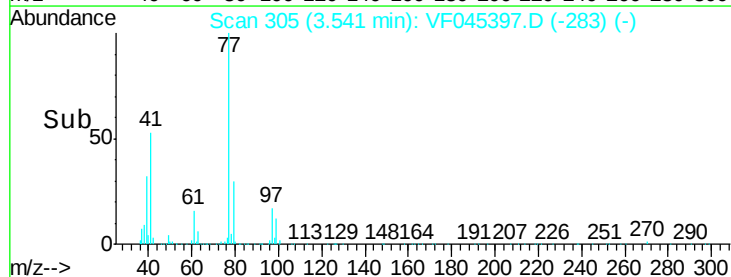
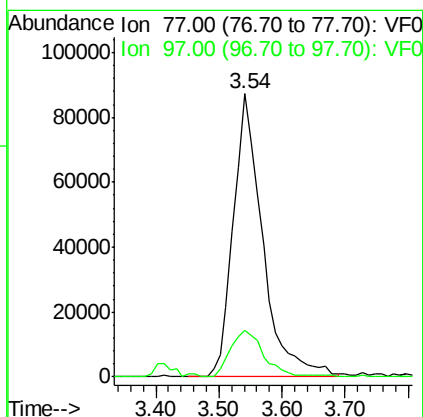
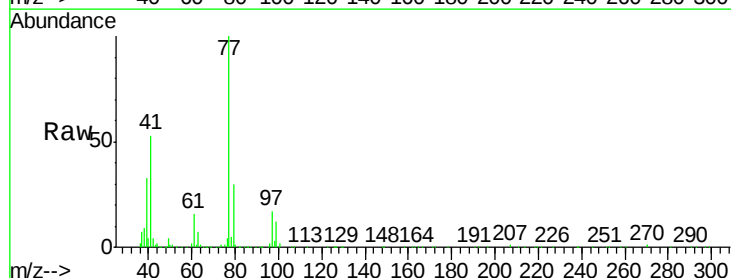
Acq: 16 Sep 2015 18:40

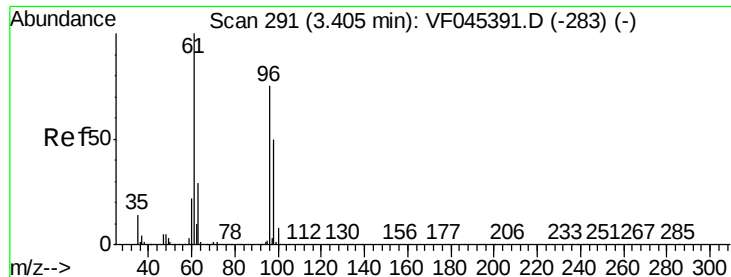
Tgt Ion: 77 Resp: 282515

Ion Ratio Lower Upper

77 100

97 16.6 9.2 27.4





#27

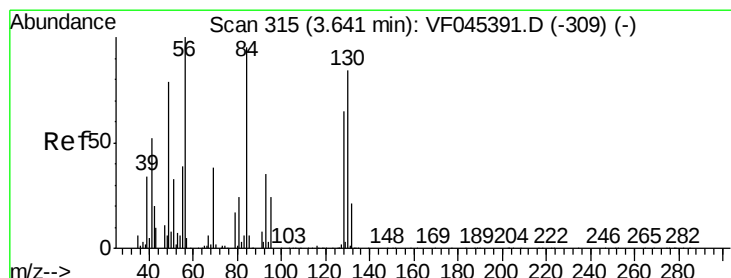
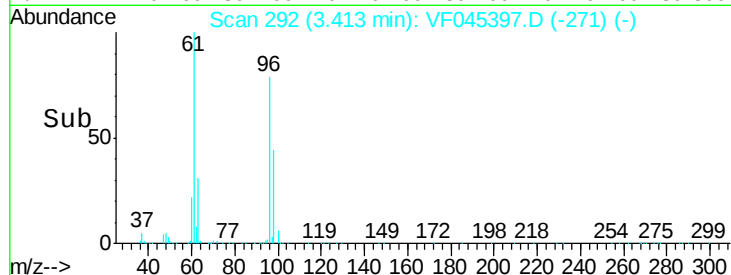
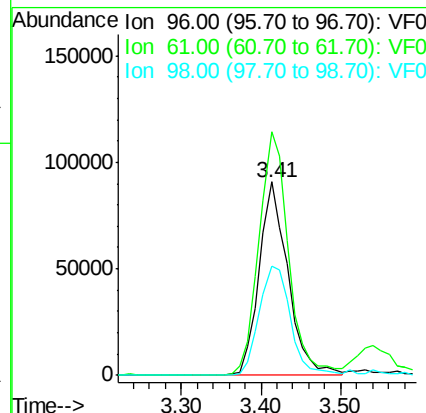
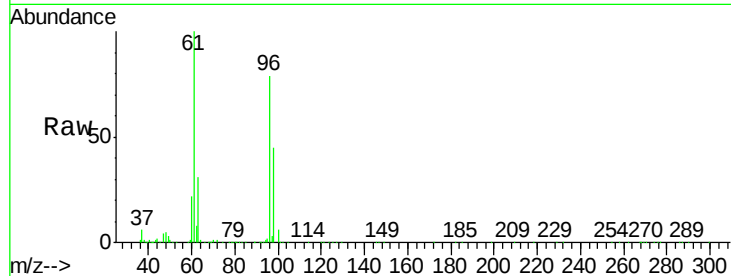
cis-1,2-Dichloroethene
 Concen: 19.57 ug/l
 RT: 3.41 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	226780		
61	126.0		0.0	268.6
98	56.2		0.0	135.8

Manual Integrations
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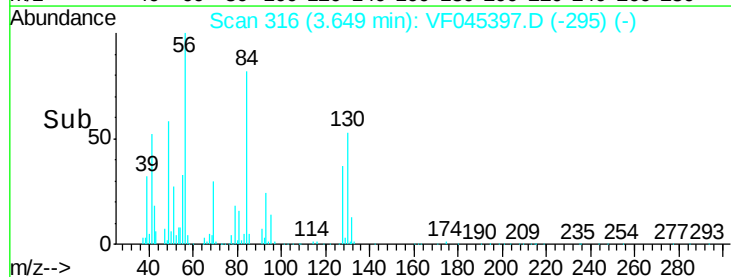
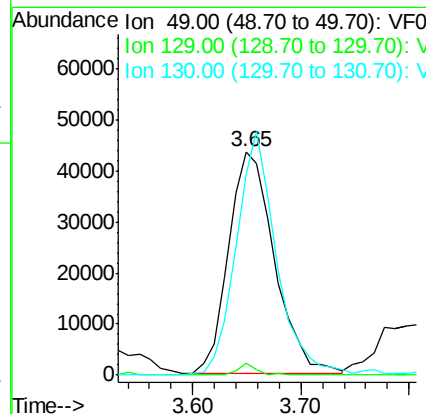
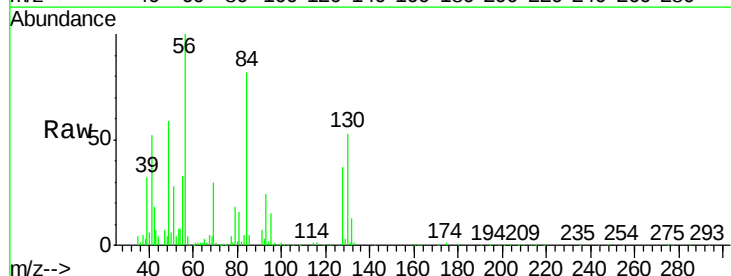
MMDadoda
 9/17/2015 12:51:15 PM

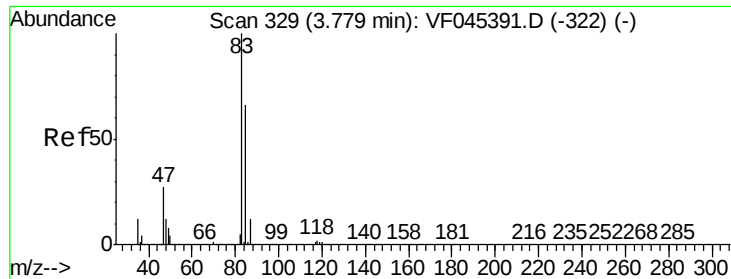


#28

Bromochloromethane
 Concen: 21.86 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128618		
129	5.3		0.0	0.0#
130	90.3		79.6	119.4





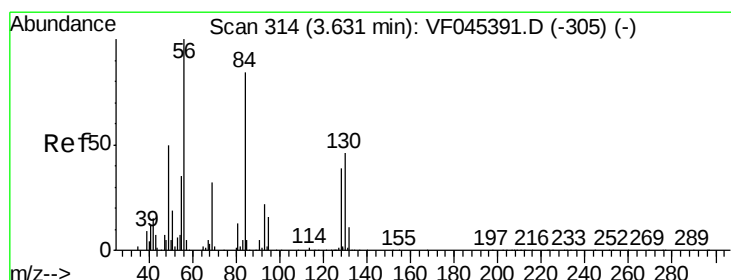
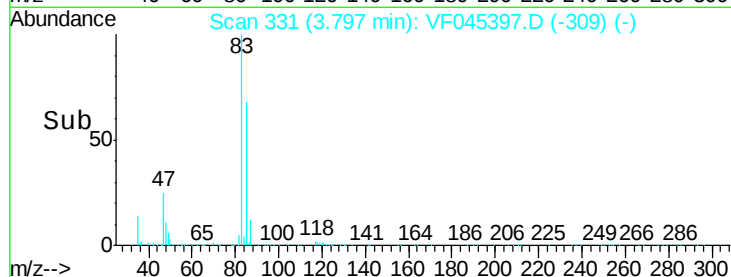
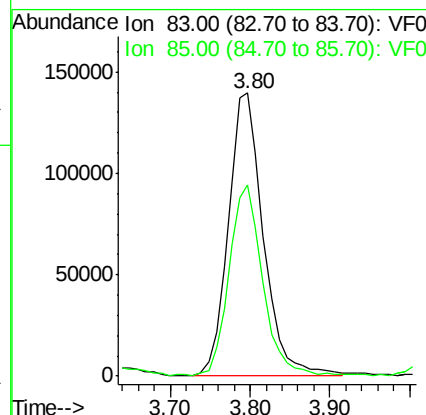
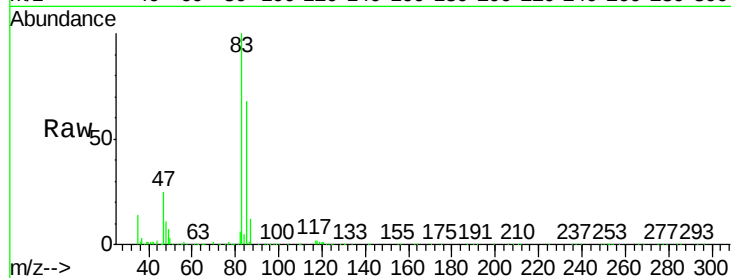
#29
Chloroform
Concen: 20.37 ug/l
RT: 3.80 min Scan# 331
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	83	Resp	429044
Ion Ratio	Lower	Upper	
83	100		
85	67.8	51.6	77.4

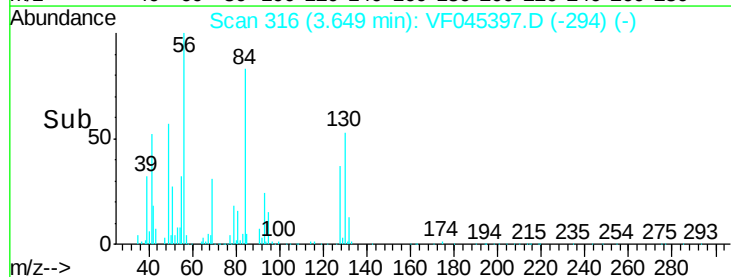
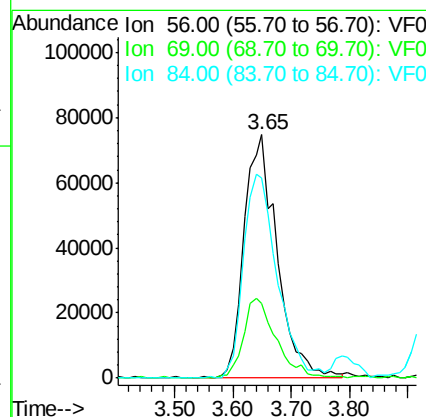
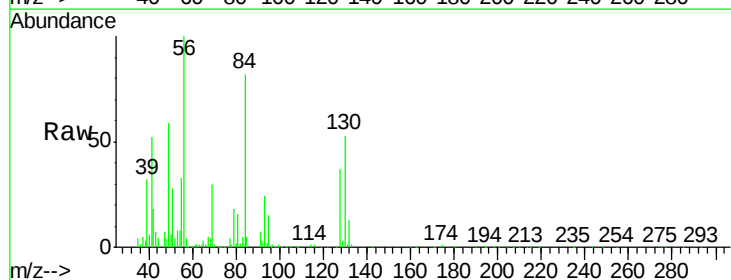
Manual Integrations
APPROVED

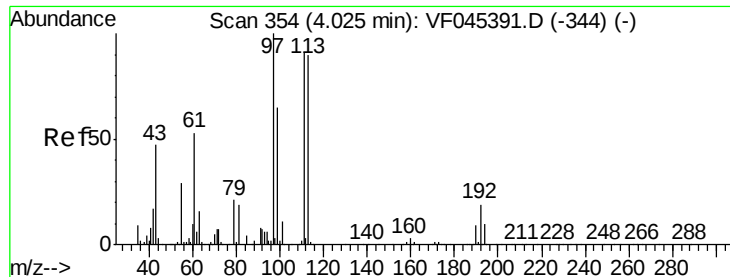
MMDadoda
9/17/2015 12:51:15 PM



#30
Cyclohexane
Concen: 21.89 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	56	Resp	295884
Ion Ratio	Lower	Upper	
56	100		
69	30.4	26.1	39.1
84	82.1	72.2	108.4





#31

1,1,1-Trichloroethane

Concen: 19.69 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

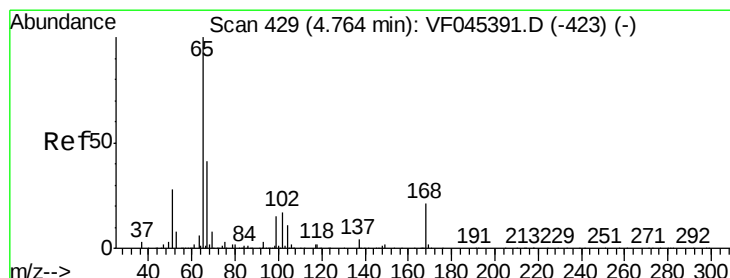
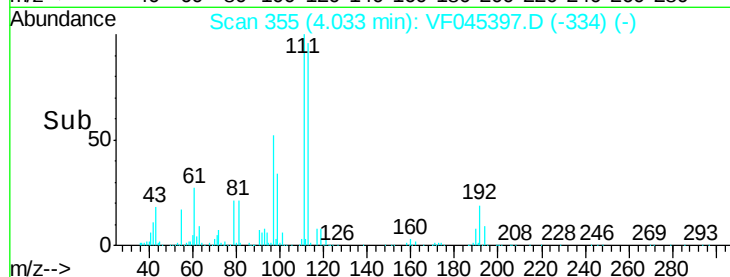
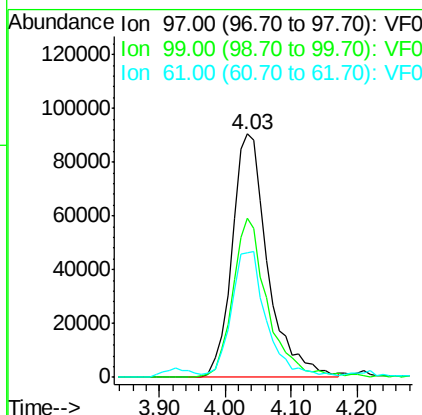
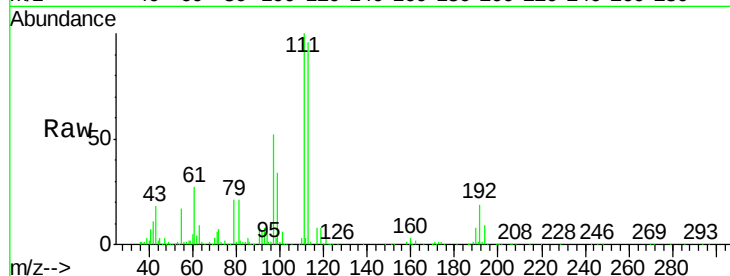
ClientSampleId :

VF0916SBS01

Tot Ion:	97	Resp:	343480
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.1	76.7
61	51.3	37.8	56.6

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#32

1,2-Dichloroethane-d4

Concen: 42.89 ug/l

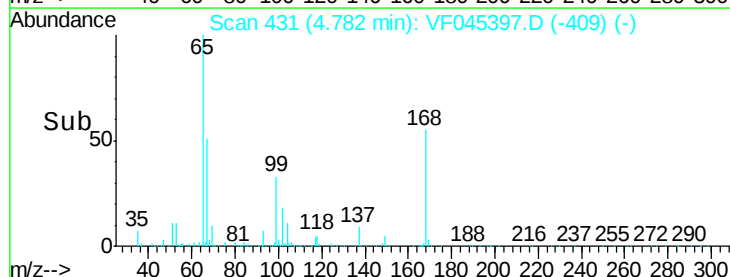
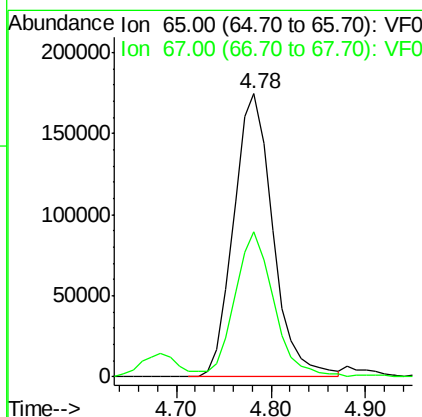
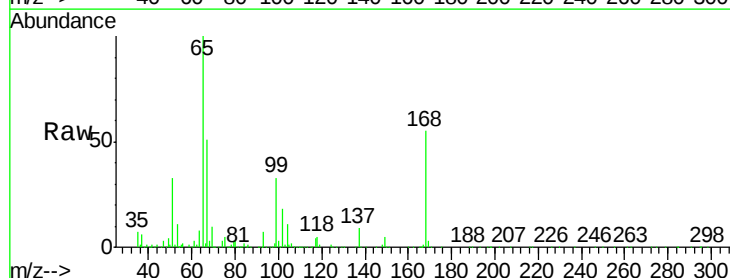
RT: 4.78 min Scan# 431

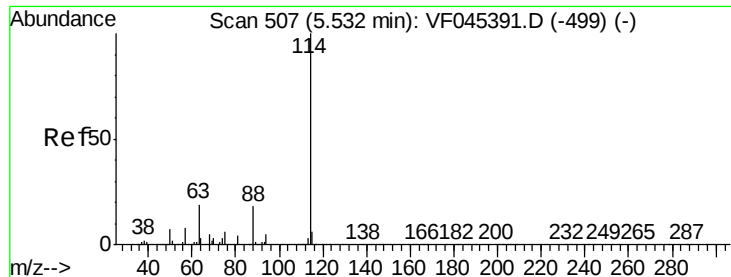
Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	65	Resp:	502792
Ion Ratio	Lower	Upper	
65	100		
67	51.2	0.0	102.2





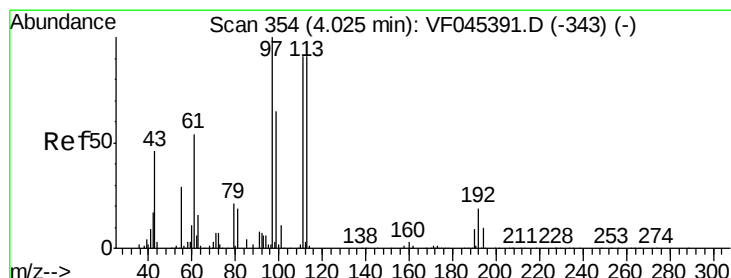
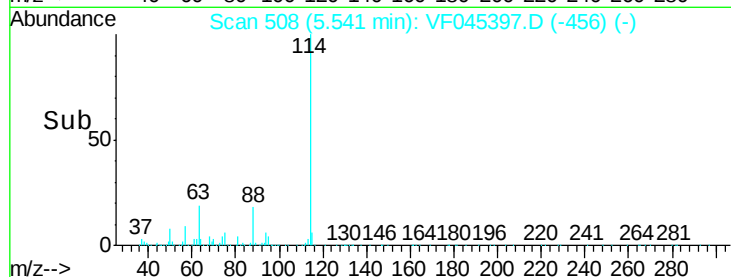
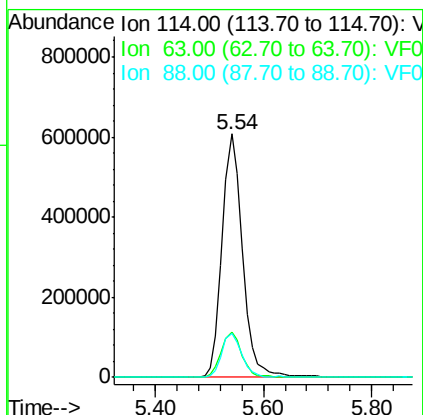
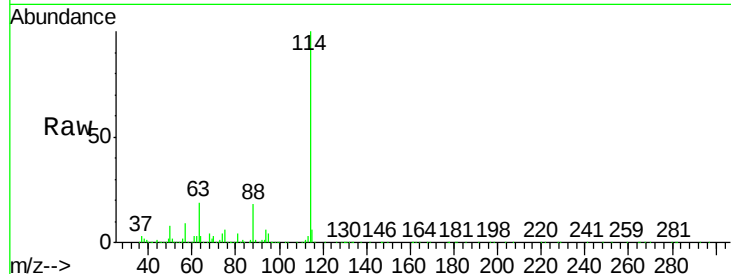
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.2
88	17.9	0.0	37.0

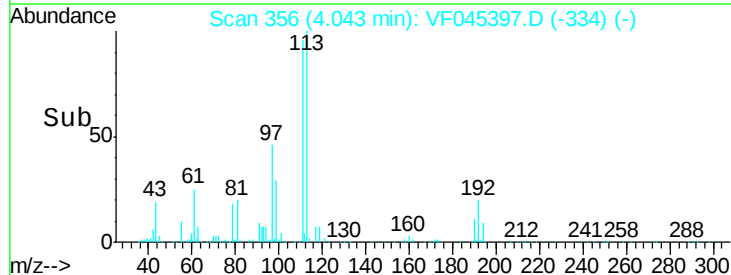
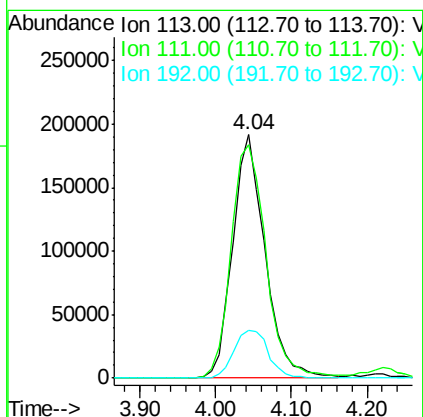
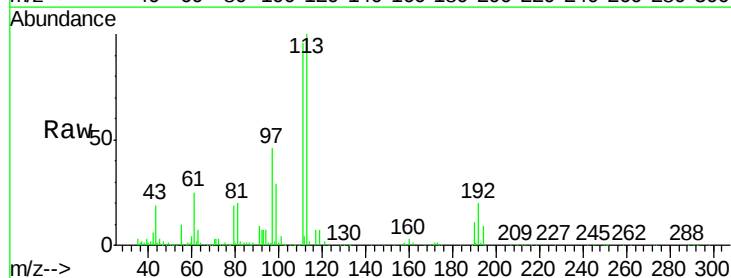
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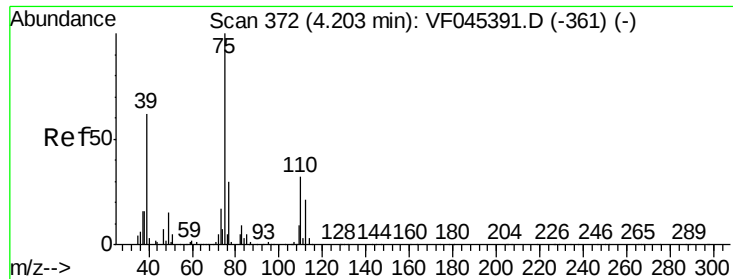
MMDadoda
 9/17/2015 12:51:15 PM



#34
 Dibromofluoromethane
 Concen: 45.80 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	95.7	75.5	113.3
192	20.3	15.6	23.4





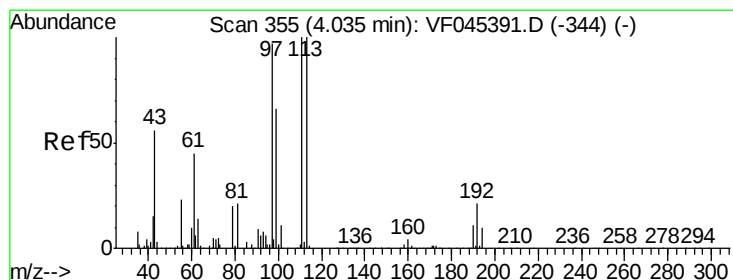
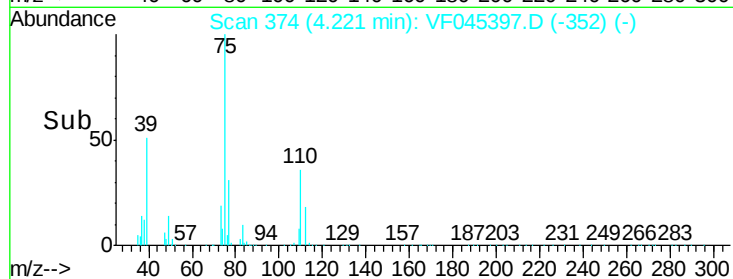
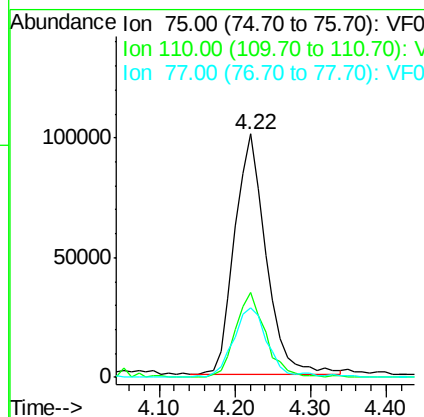
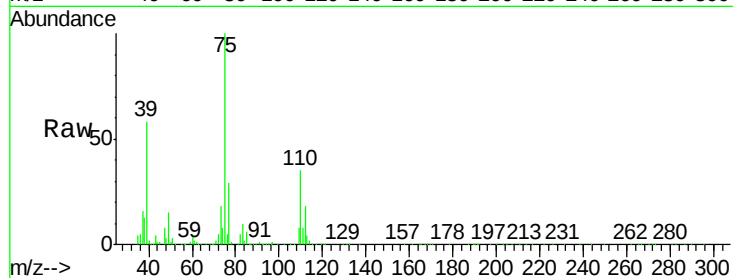
#35
1,1-Dichloropropene
Concen: 19.21 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.8	15.9	47.6
77	28.6	24.2	36.4

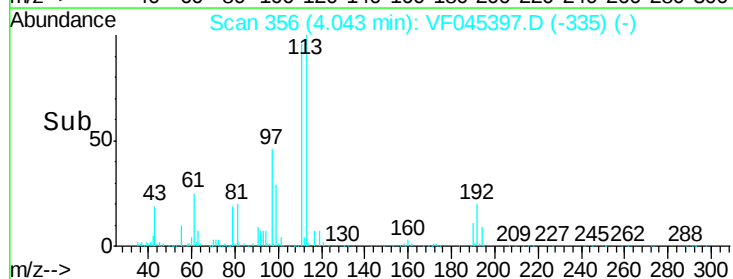
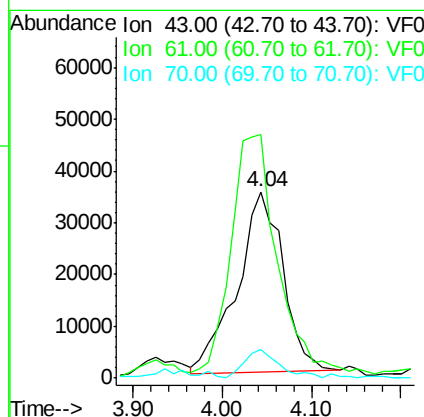
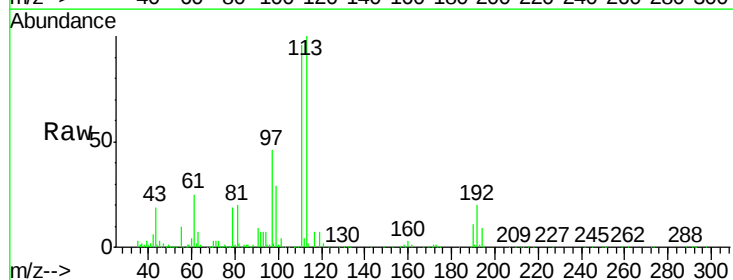
Manual Integrations
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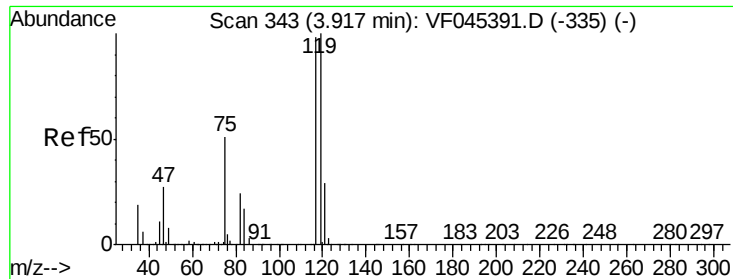
MMDadoda
9/17/2015 12:51:15 PM



#36
Ethyl Acetate
Concen: 16.30 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
61	130.8	49.4	74.0#
70	15.4	10.8	16.2





#37

Carbon Tetrachloride

Concen: 19.55 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

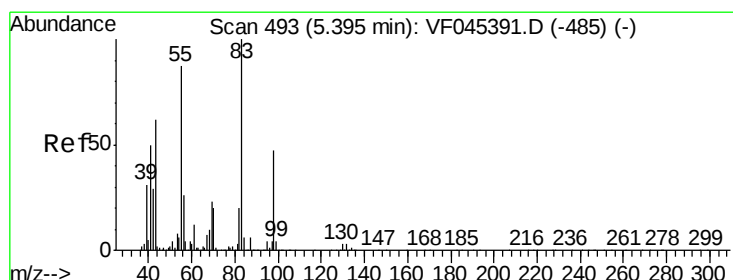
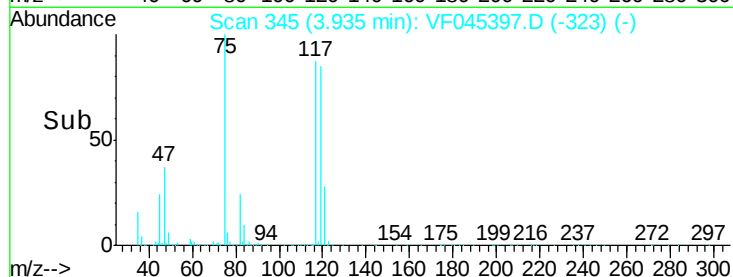
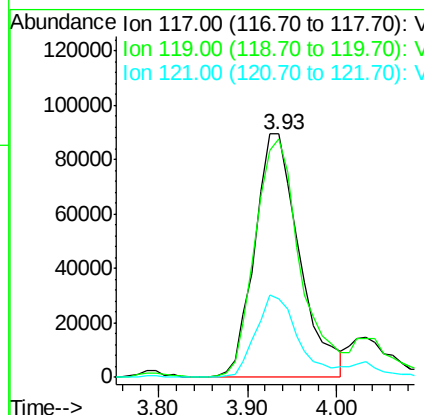
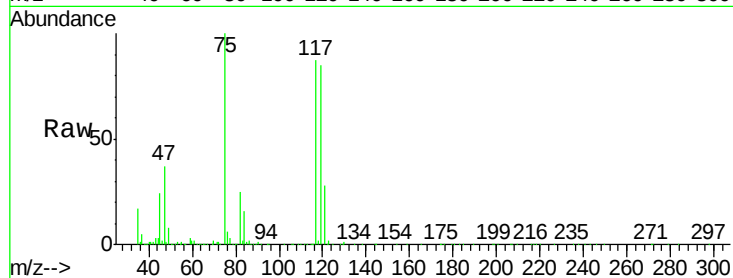
ClientSampleId :

VF0916SBSD01

Tot Ion:	117	Resp:	312104
Ion Ratio	Lower	Upper	
117	100		
119	98.1	77.8	116.8
121	32.2	25.4	38.0

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#38

Methylcyclohexane

Concen: 21.06 ug/l

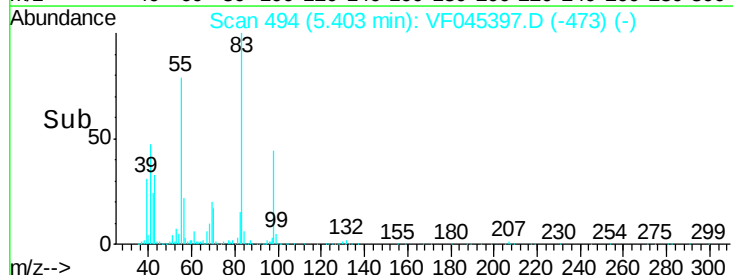
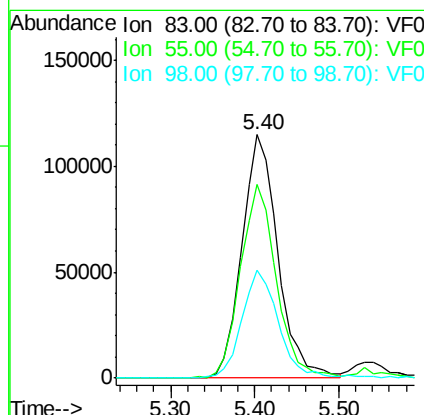
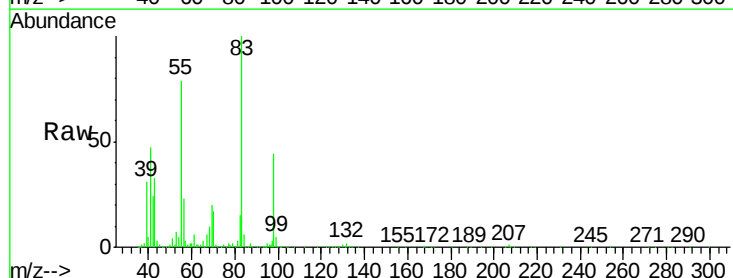
RT: 5.40 min Scan# 494

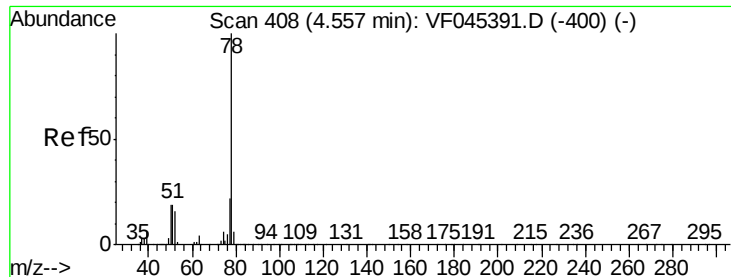
Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	83	Resp:	342970
Ion Ratio	Lower	Upper	
83	100		
55	79.5	60.5	90.7
98	44.2	38.1	57.1





#39

Benzene

Concen: 20.54 ug/l

RT: 4.58 min Scan# 410

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion: 78 Resp: 727543

Ion Ratio Lower Upper

78 100

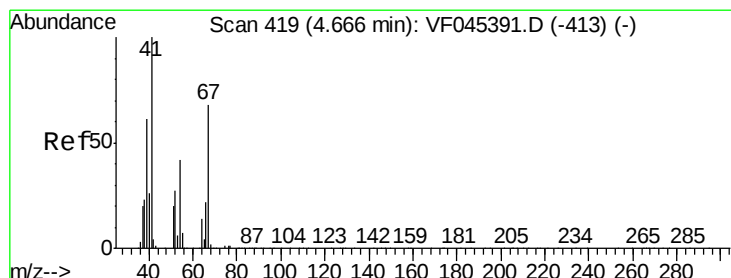
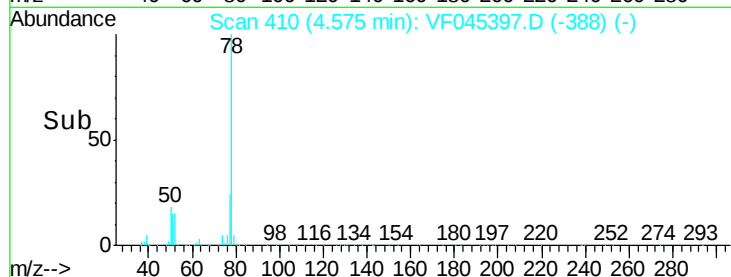
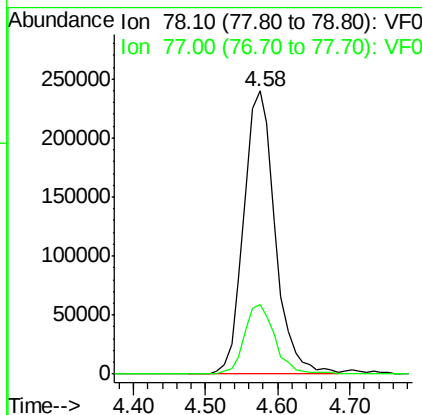
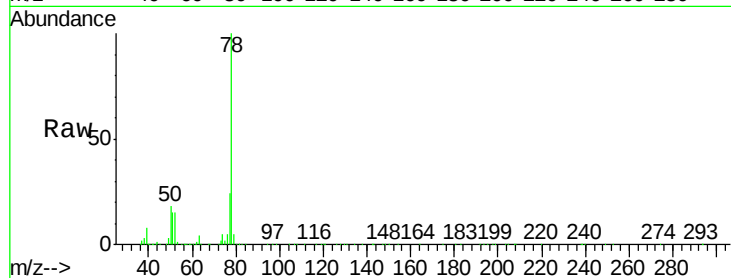
77 24.5 18.6 28.0

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#40

Methacrylonitrile

Concen: 17.73 ug/l

RT: 4.68 min Scan# 421

Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion: 41 Resp: 64354

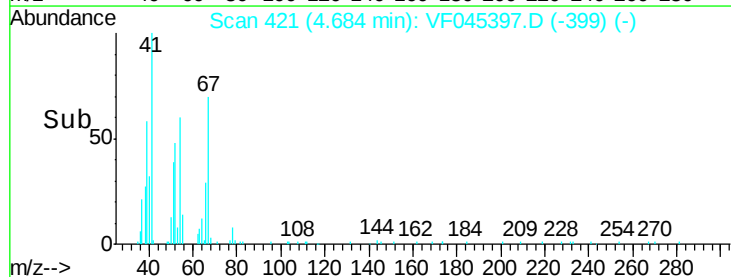
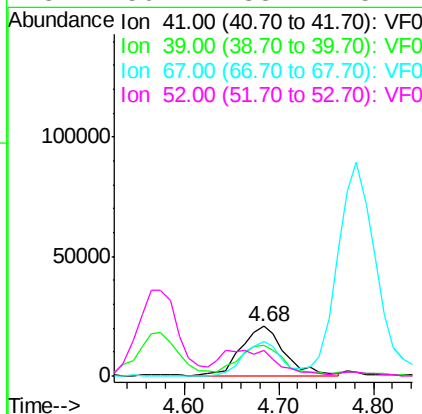
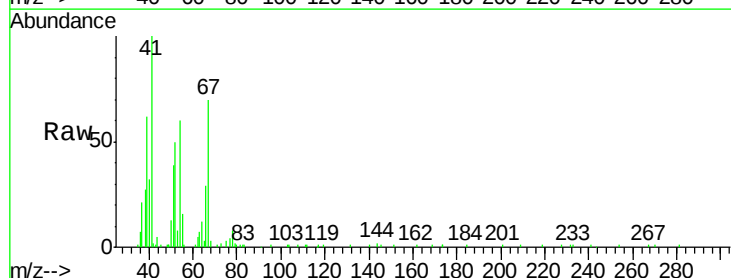
Ion Ratio Lower Upper

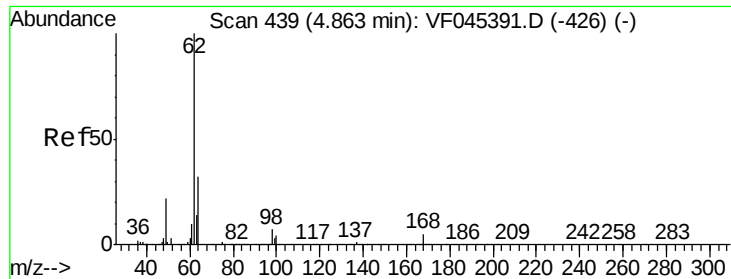
41 100

39 61.8 44.9 67.3

67 70.0 49.0 73.4

52 50.4 38.2 57.2





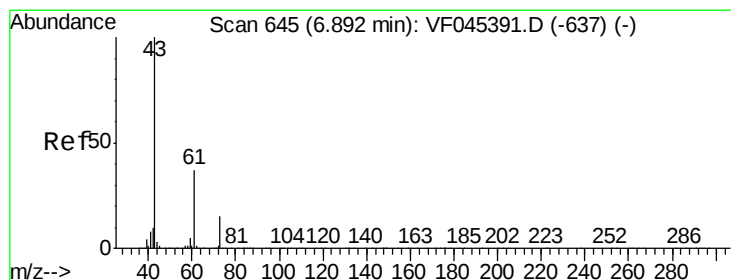
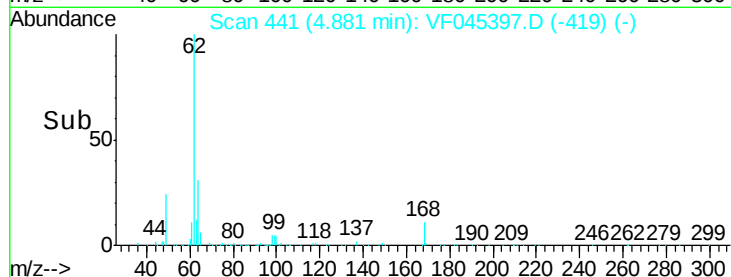
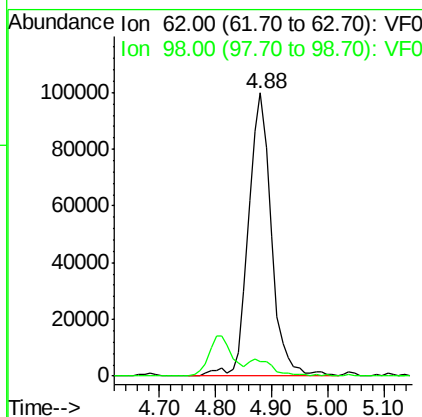
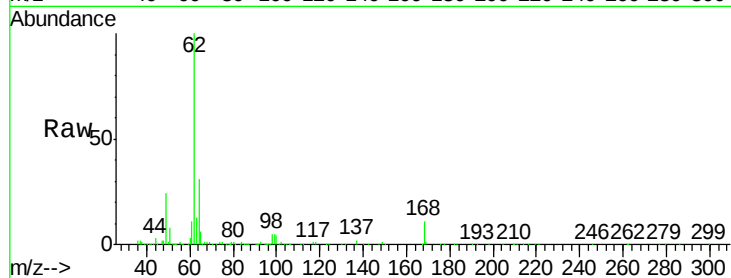
#41
 1,2-Dichloroethane
 Concen: 19.88 ug/l
 RT: 4.88 min Scan# 441
 Delta R.T. 0.02 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp Lower	Upper
62	100		
98	5.2	0.0	17.0

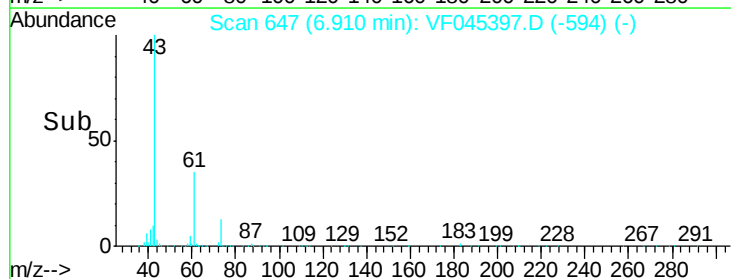
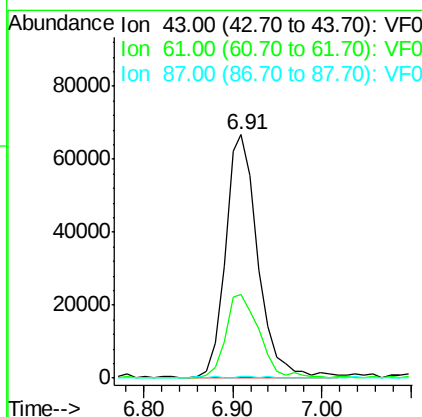
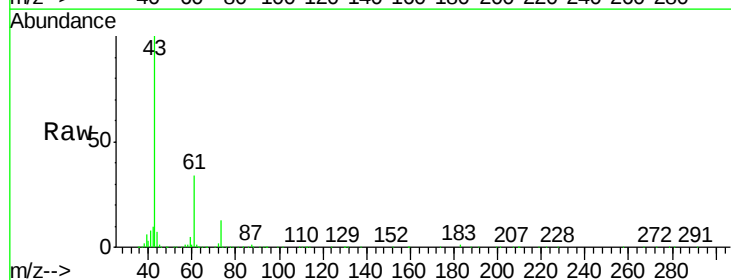
Manual Integrations
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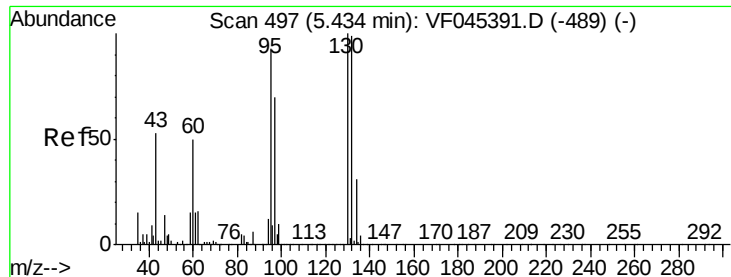
MMDadoda
 9/17/2015 12:51:15 PM



#42
 Isopropyl Acetate
 Concen: 16.84 ug/l
 RT: 6.91 min Scan# 647
 Delta R.T. 0.02 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
61	34.2	29.8	44.6
87	0.5	0.2	0.2#





#43

Trichloroethene

Concen: 20.34 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBSD01

Tot Ion:130 Resp: 246113

Ion Ratio Lower Upper

130 100

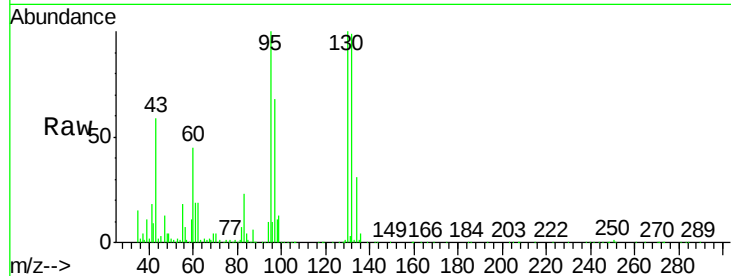
95 100.2 0.0 192.2

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

100000

80000

60000

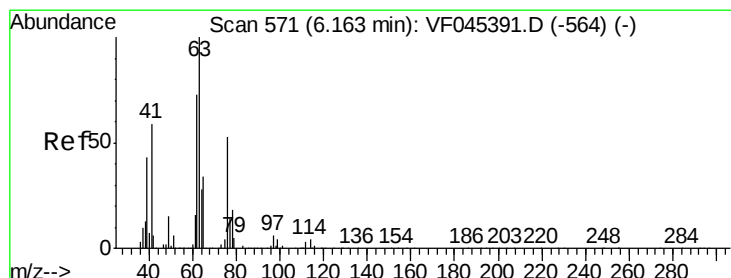
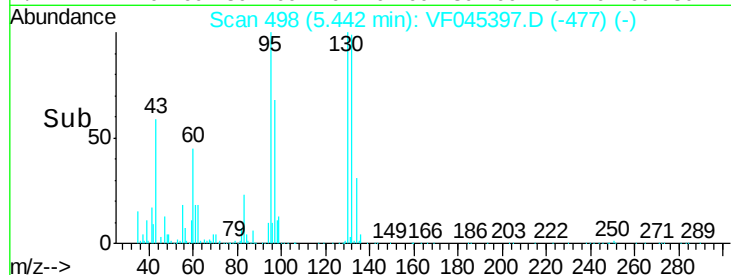
40000

20000

0

5.30 5.40 5.50 5.60

Time-->



#44

1,2-Dichloropropane

Concen: 19.27 ug/l

RT: 6.17 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF045397.D

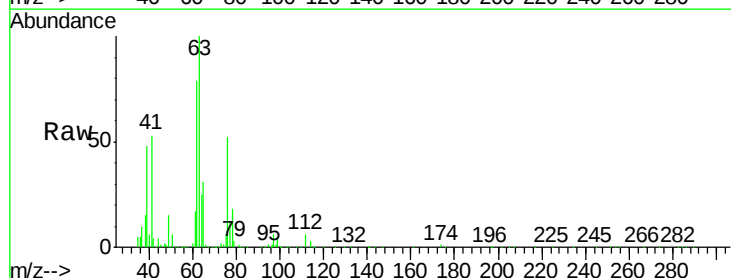
Acq: 16 Sep 2015 18:40

Tgt Ion: 63 Resp: 198861

Ion Ratio Lower Upper

63 100

65 30.7 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

80000

60000

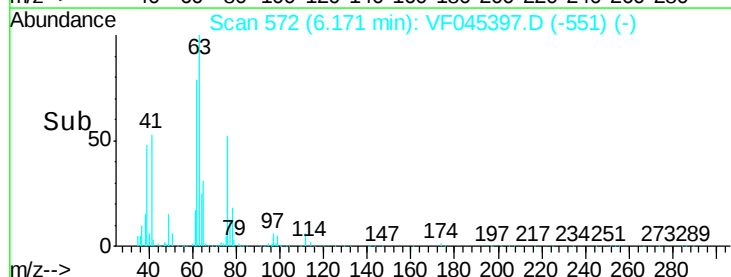
40000

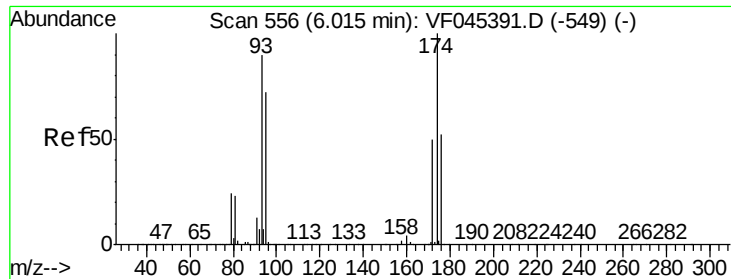
20000

0

6.10 6.20

Time-->





#45

Dibromomethane

Concen: 19.33 ug/l

RT: 6.02 min Scan# 557

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

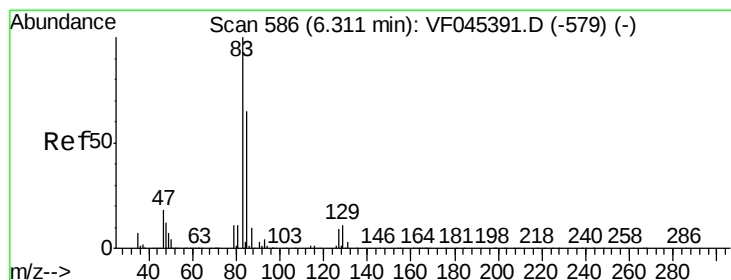
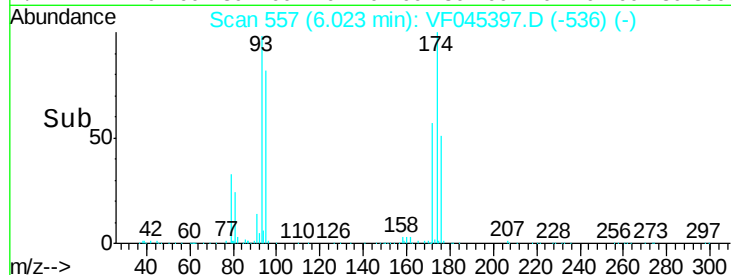
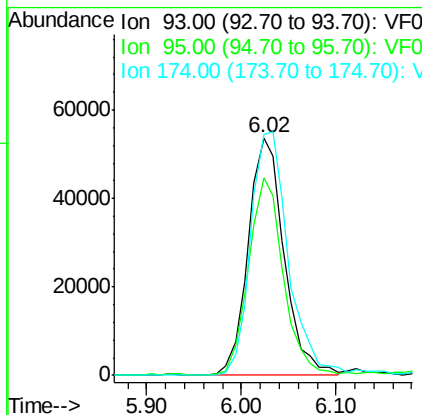
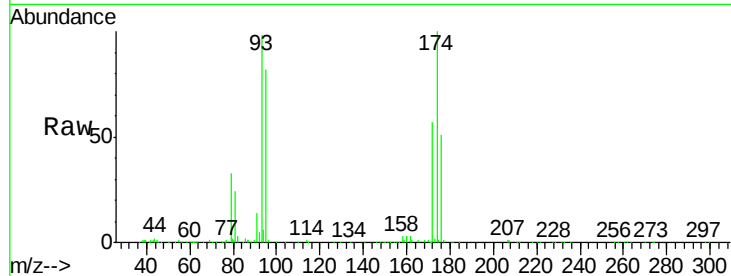
ClientSampleId :

VF0916SBS01

Tot Ion:	93	Resp:	141944
Ion Ratio	Lower	Upper	
93	100		
95	83.4	69.8	104.6
174	101.6	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 18.73 ug/l

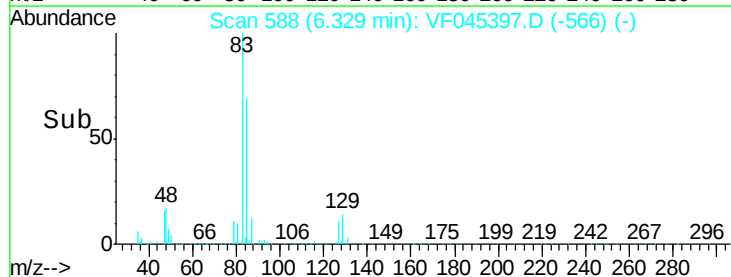
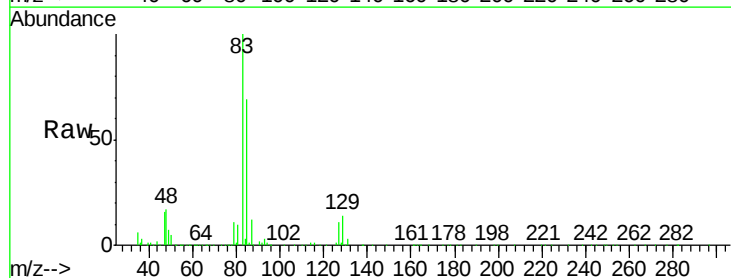
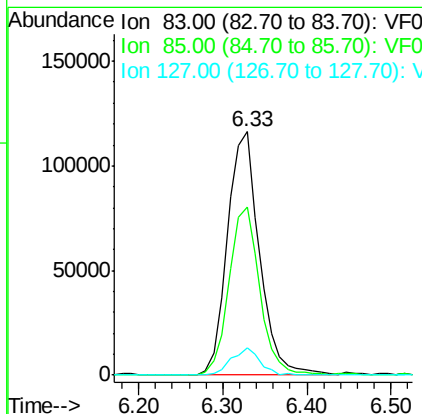
RT: 6.33 min Scan# 588

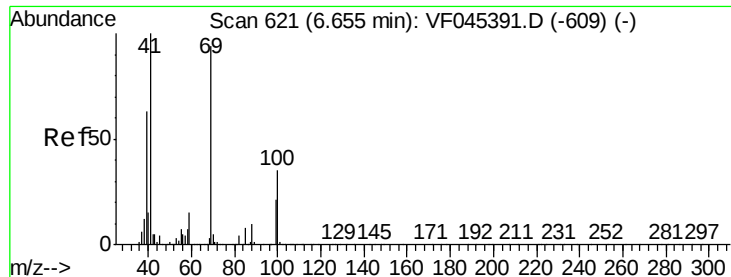
Delta R.T. 0.02 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	83	Resp:	308067
Ion Ratio	Lower	Upper	
83	100		
85	69.2	50.6	75.8
127	11.4	7.7	11.5





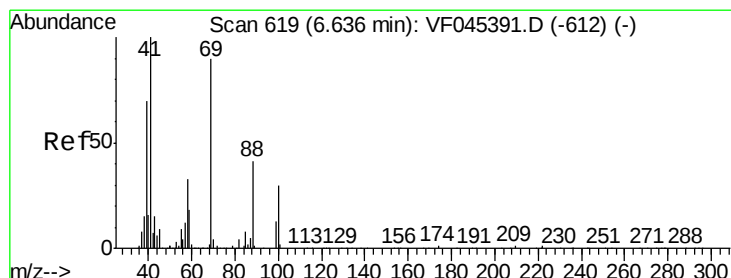
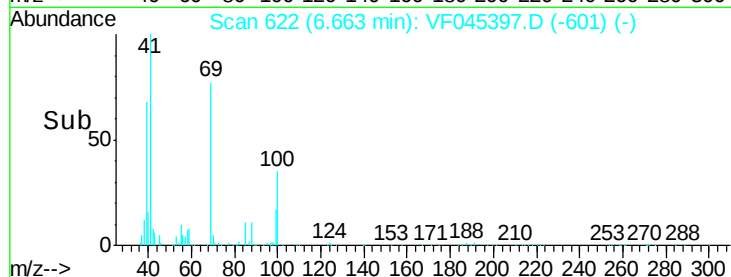
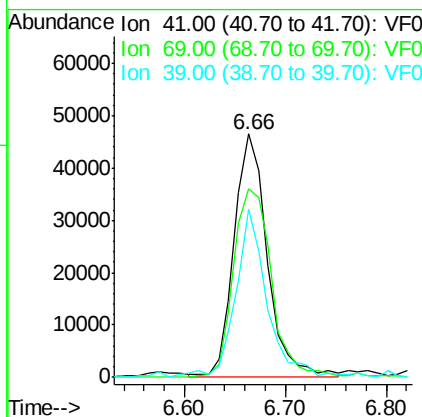
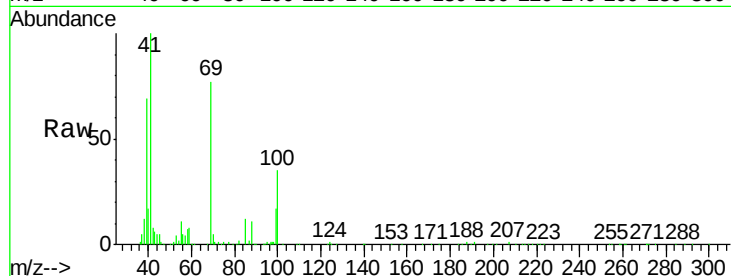
#47
Methvl methacrvlate
Concen: 17.36 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	106443		
69	77.3	63.3	94.9	
39	69.0	48.9	73.3	

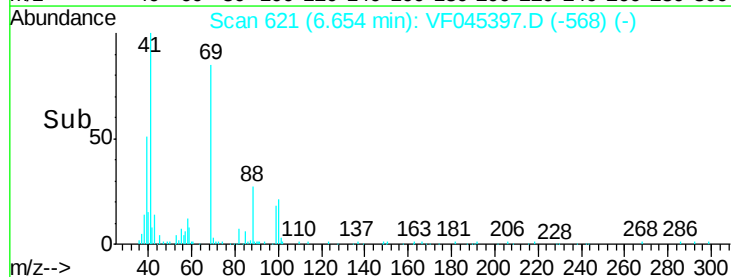
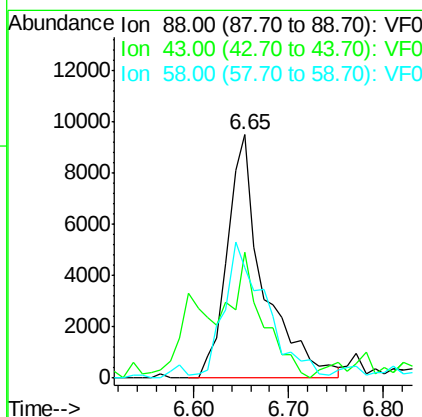
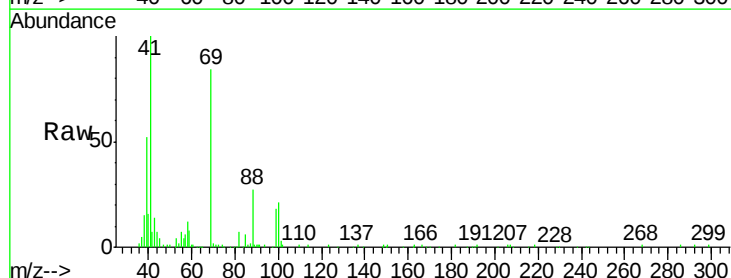
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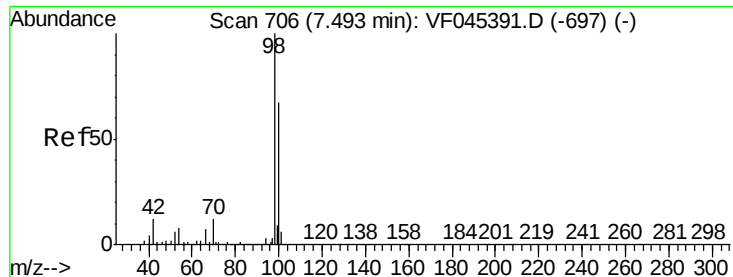
MMDadoda
9/17/2015 12:51:15 PM



#48
1,4-Dioxane
Concen: 345.17 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.02 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	25352		
43	51.8	34.5	51.7#	
58	45.2	46.5	69.7#	





#49

Toluene-d8

Concen: 49.23 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tot Ion: 98 Resp: 1794430

Ion Ratio Lower Upper

98 100

100 70.6 54.4 81.6

Instrument :

MSVOA_F

ClientSampleId :

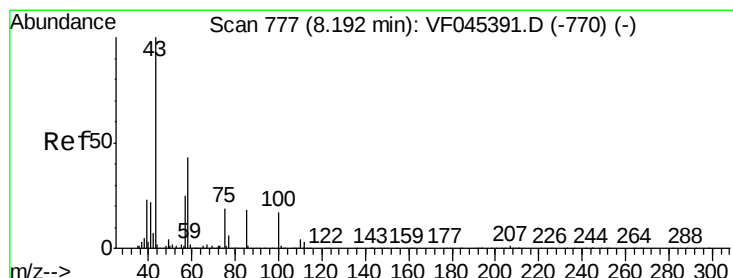
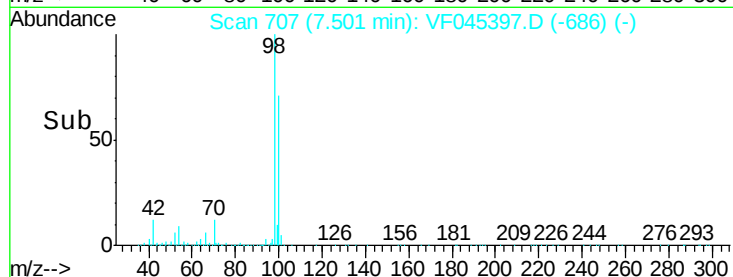
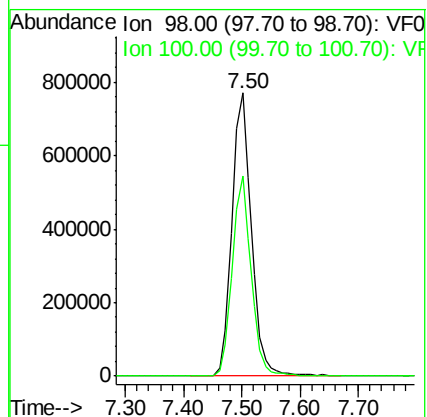
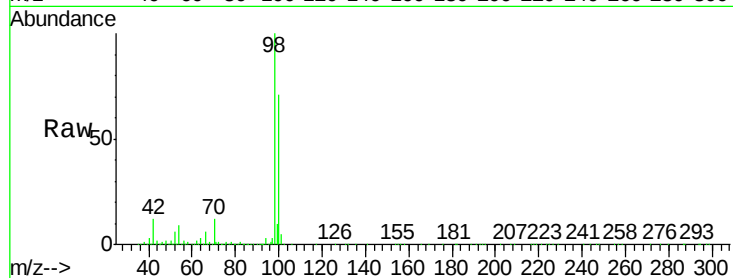
VF0916SBSD01

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 91.51 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF045397.D

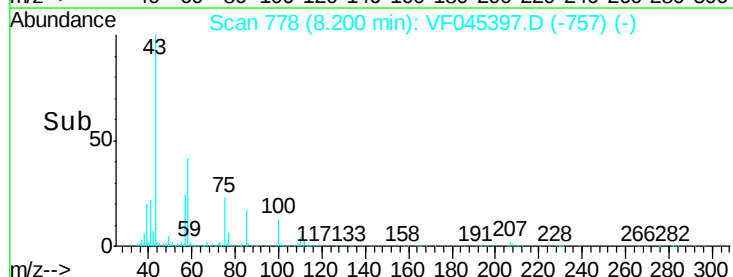
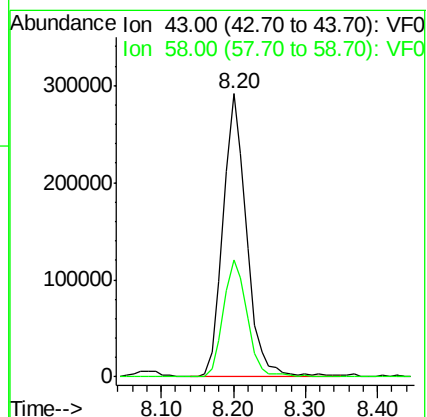
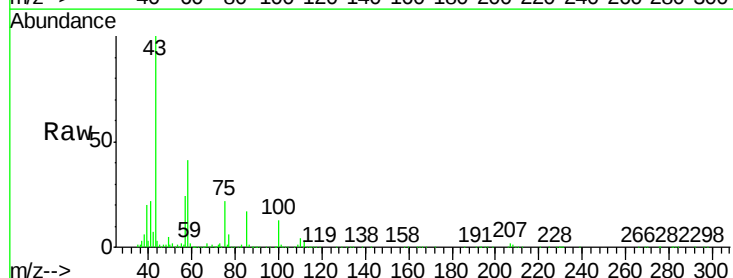
Acq: 16 Sep 2015 18:40

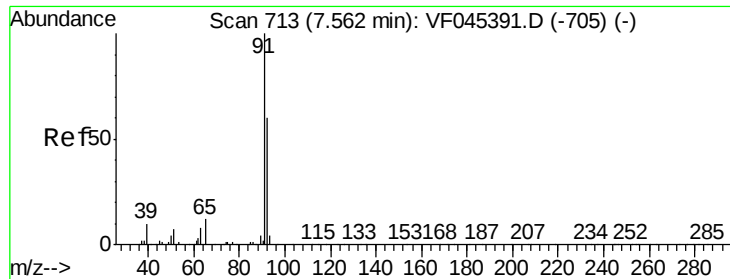
Tgt Ion: 43 Resp: 657306

Ion Ratio Lower Upper

43 100

58 41.5 33.6 50.4





#51

Toluene

Concen: 20.45 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBSD01

Tot Ion: 92 Resp: 558290

Ion Ratio Lower Upper

92 100

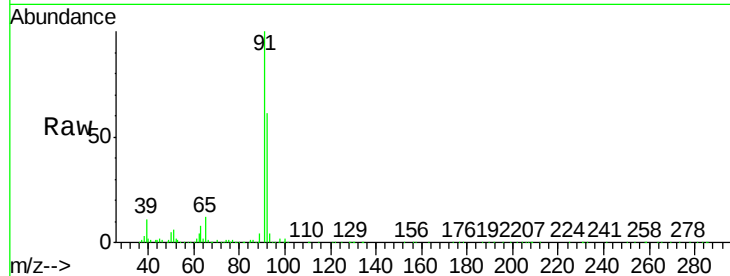
91 162.7 133.4 200.0

Manual Integrations

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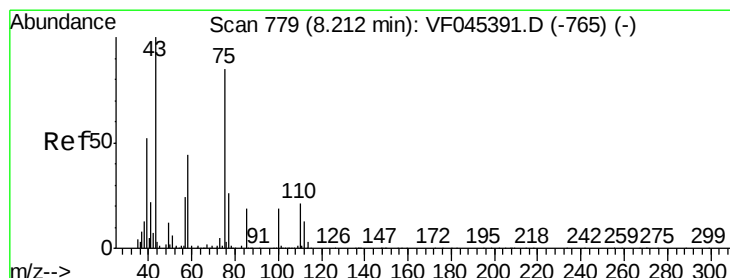
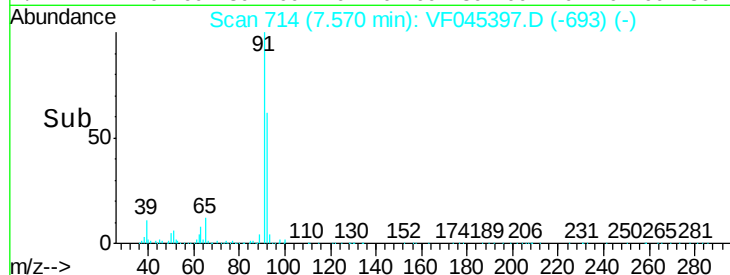
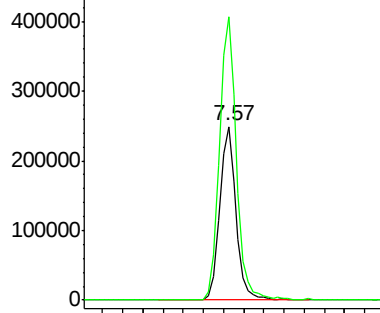
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#52

t-1,3-Dichloropropene

Concen: 18.92 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF045397.D

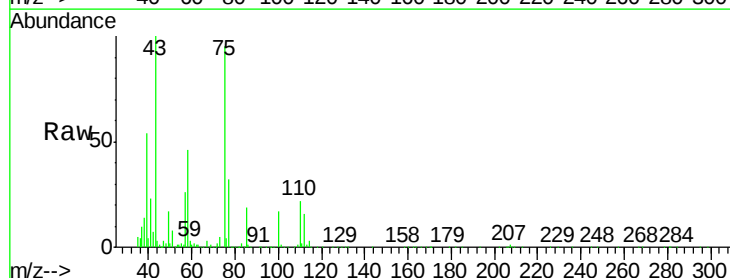
Acq: 16 Sep 2015 18:40

Tgt Ion: 75 Resp: 279759

Ion Ratio Lower Upper

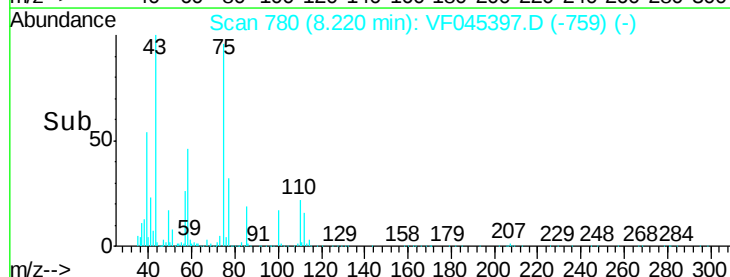
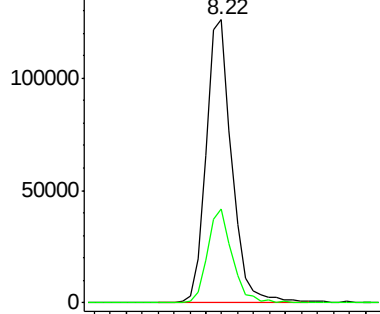
75 100

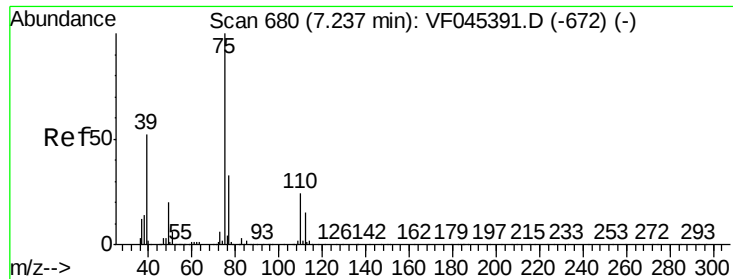
77 33.0 28.1 42.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#53

cis-1,3-Dichloropropene

Concen: 19.60 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

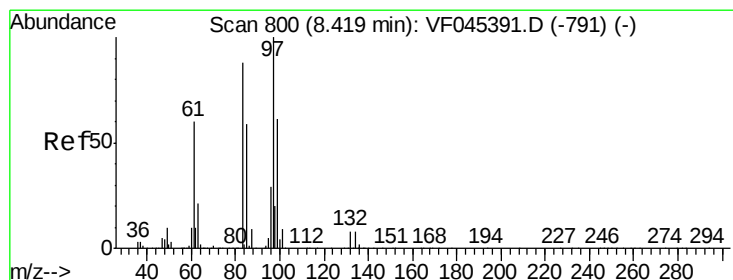
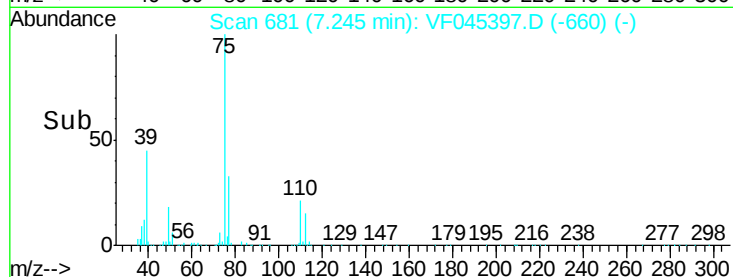
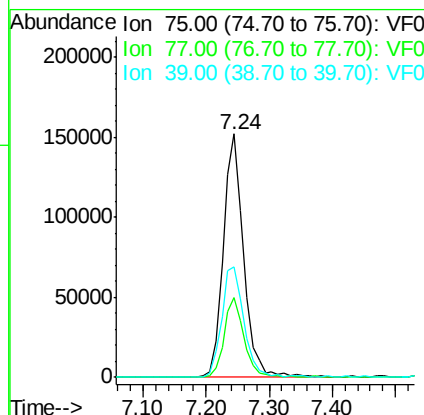
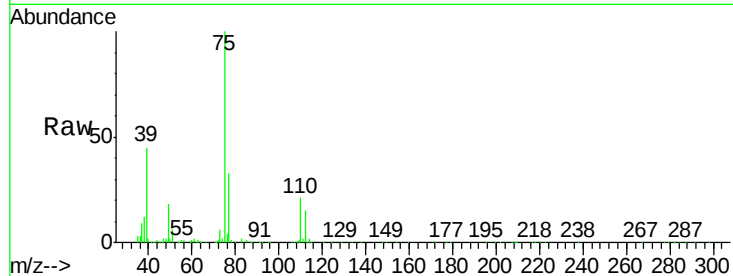
ClientSampleId :

VF0916SBS01

Tot Ion:	75	Resp:	342154
Ion Ratio		Lower	Upper
75	100		
77	32.8	25.5	38.3
39	45.2	41.6	62.4

Manual Integrations
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#54

1,1,2-Trichloroethane

Concen: 18.79 ug/l

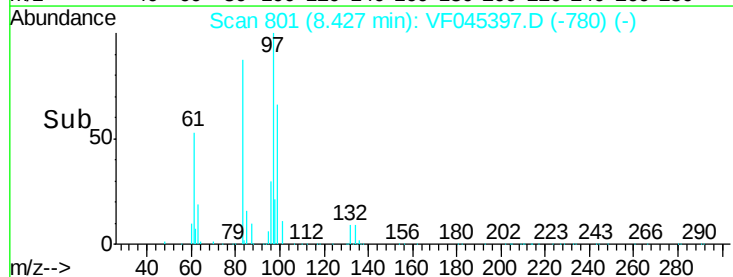
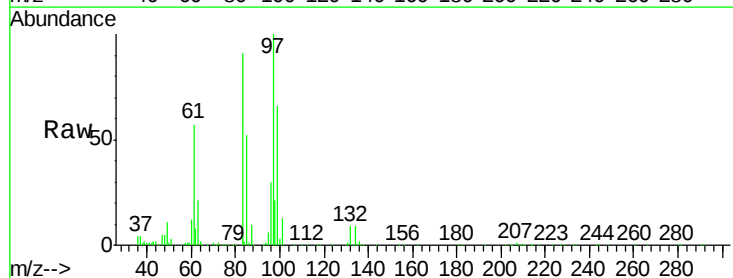
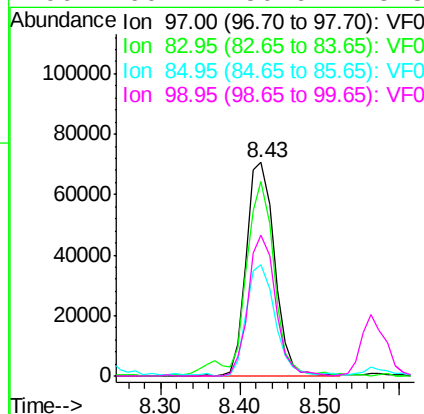
RT: 8.43 min Scan# 801

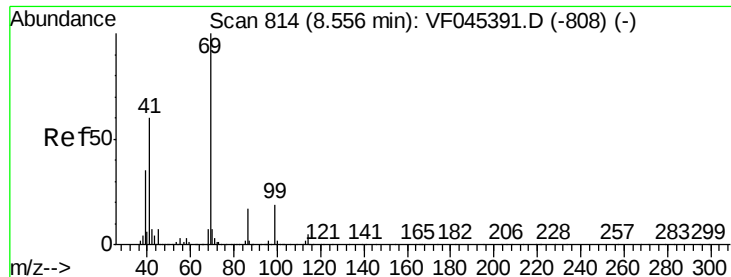
Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	97	Resp:	173466
Ion Ratio		Lower	Upper
97	100		
83	91.1	70.1	105.1
85	52.0	47.4	71.2
99	66.1	50.6	75.8





#55

Ethyl methacrylate

Concen: 17.90 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

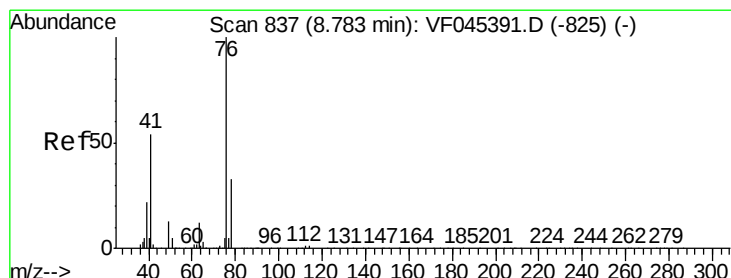
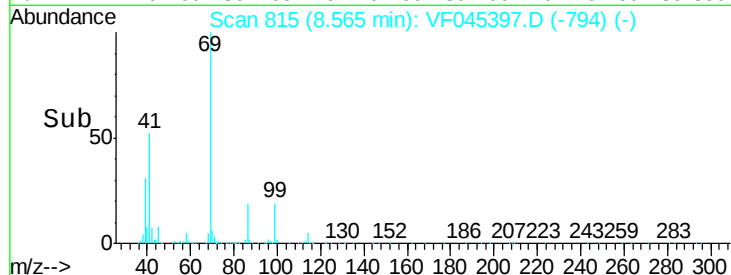
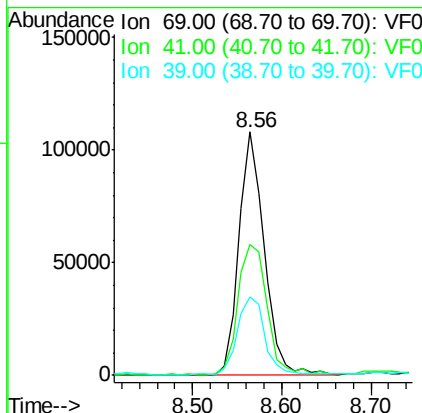
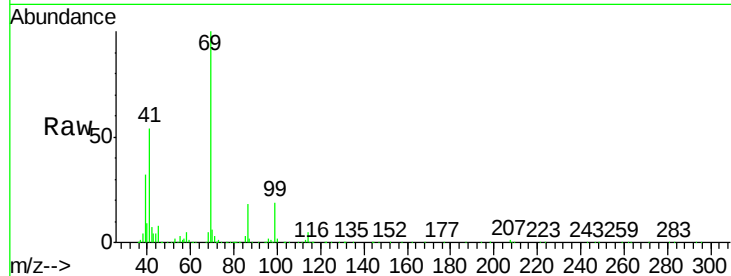
ClientSampleId :

VF0916SBS01

Tot Ion:	69	Resp:	215029
Ion Ratio	Lower	Upper	
69	100		
41	53.9	51.0	76.4
39	32.1	29.1	43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 18.90 ug/l

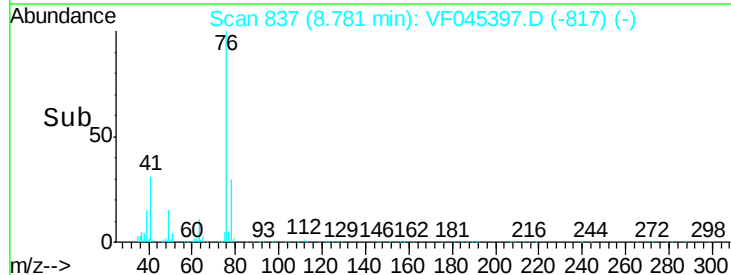
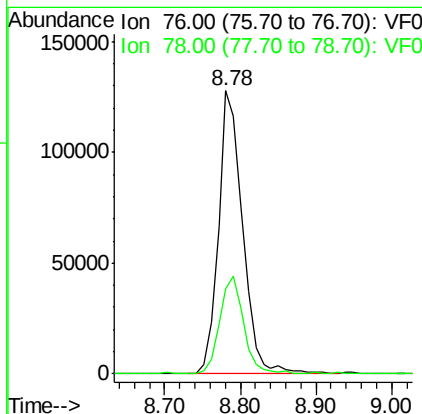
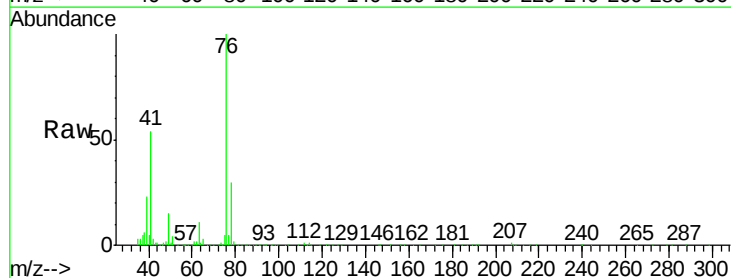
RT: 8.78 min Scan# 837

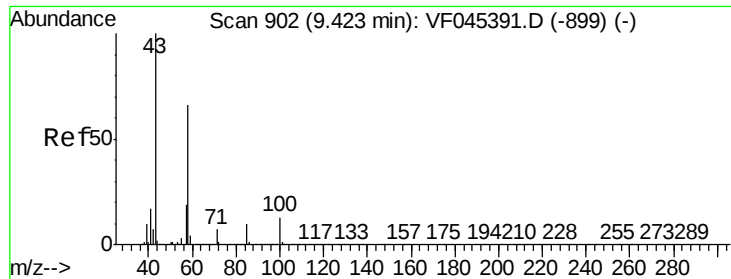
Delta R.T. -0.00 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	76	Resp:	284660
Ion Ratio	Lower	Upper	
76	100		
78	29.8	26.1	39.1





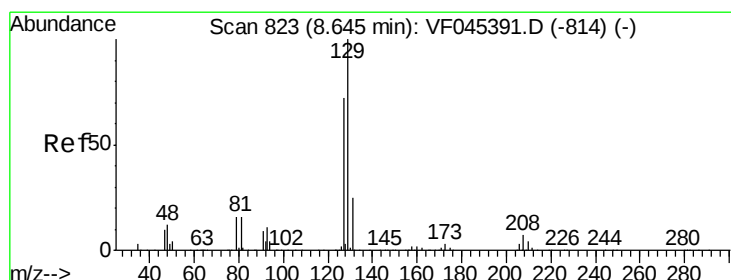
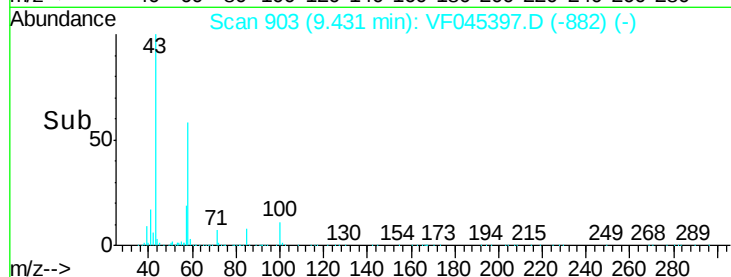
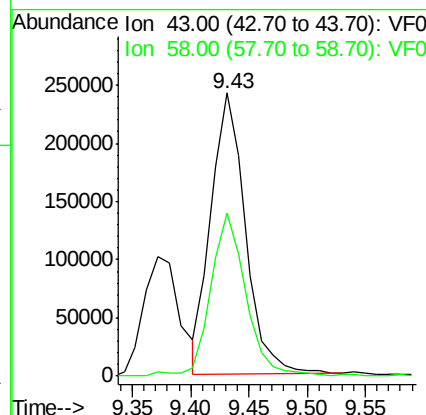
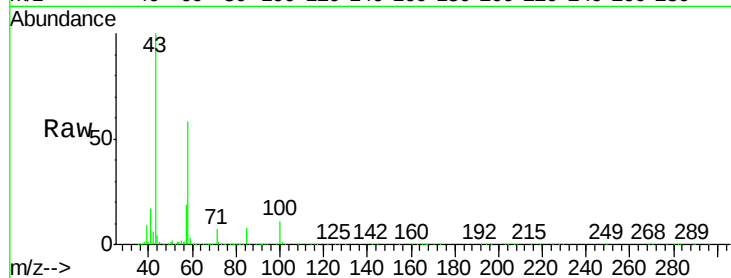
#58
2-Hexanone
Concen: 86.82 ug/l
RT: 9.43 min Scan# 903
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	28.8	86.5

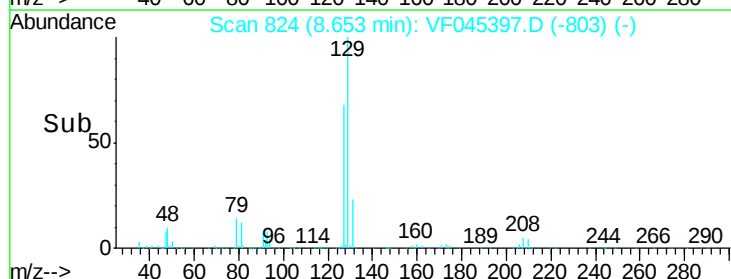
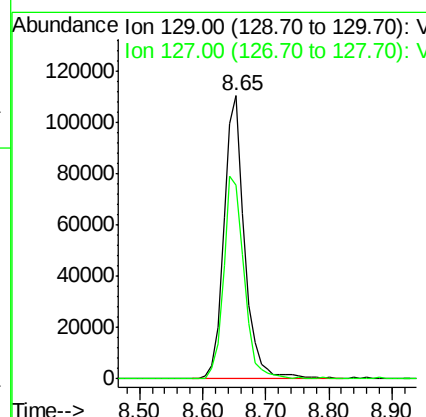
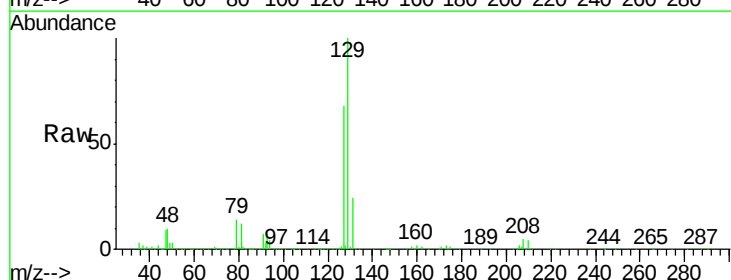
Manual Integrations
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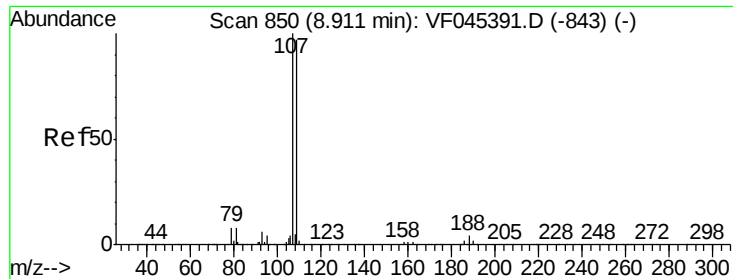
MMDadoda
9/17/2015 12:51:15 PM



#59
Dibromochloromethane
Concen: 19.34 ug/l
RT: 8.65 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	68.5	38.2	114.6





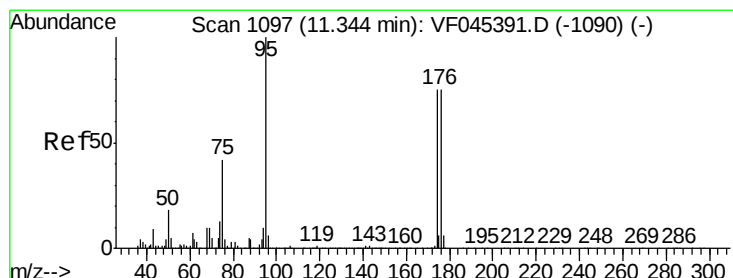
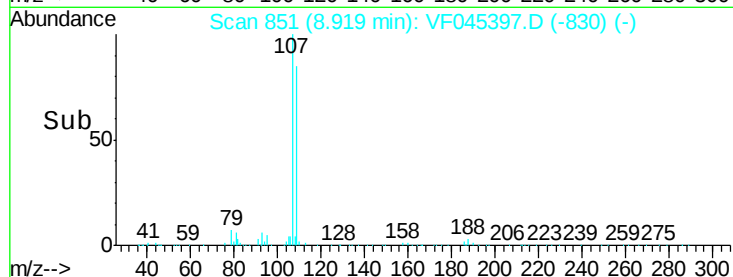
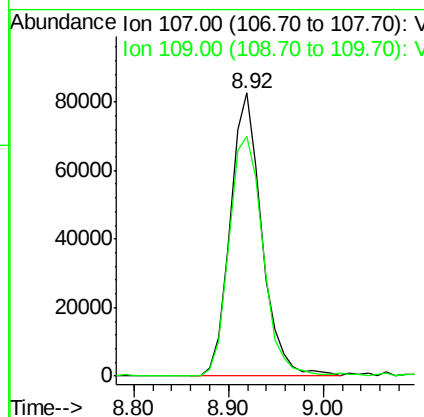
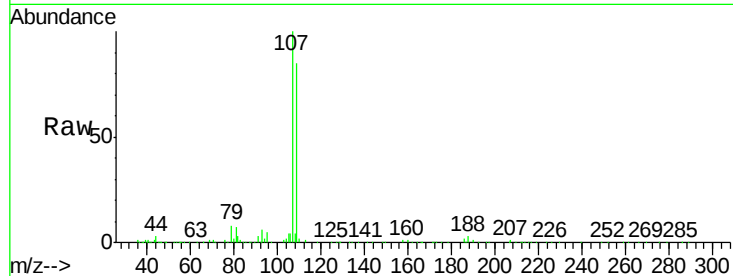
#60
 1,2-Dibromoethane
 Concen: 18.14 ug/l
 RT: 8.92 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	190084		
109	84.8	79.4	119.0	

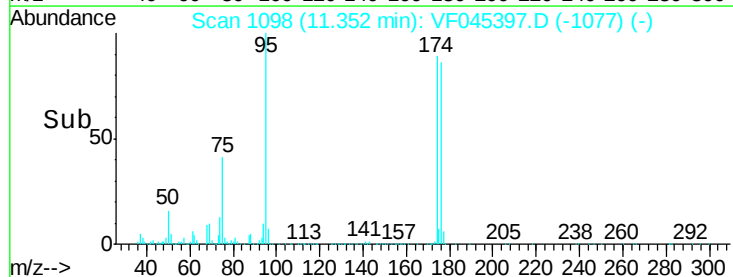
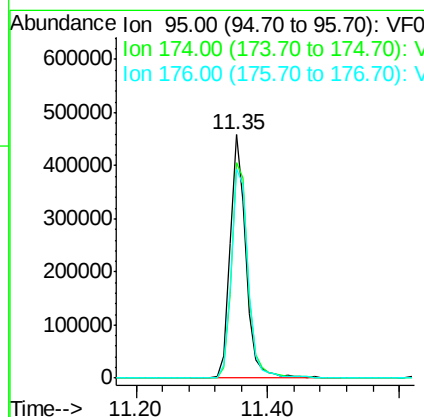
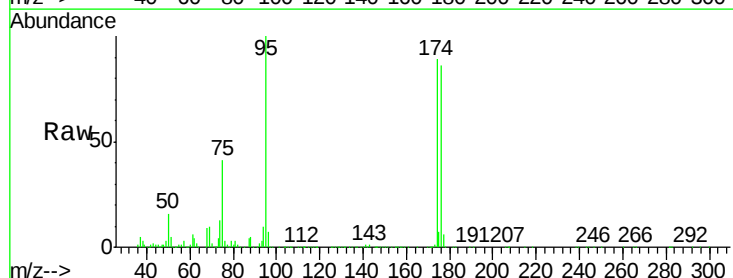
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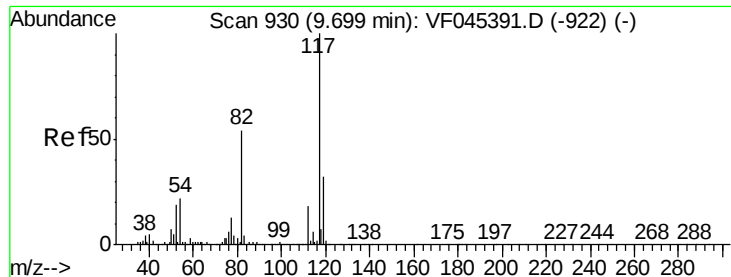
MMDadoda
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#61
 4-Bromofluorobenzene
 Concen: 43.89 ug/l
 RT: 11.35 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	769048		
174	88.7	0.0	177.8	
176	85.7	0.0	176.2	





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBSD01

Tot Ion:117 Resp: 1435519

Ion Ratio Lower Upper

117 100

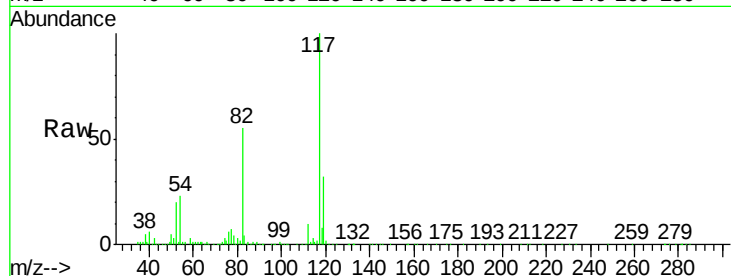
82 54.5 45.0 67.6

119 31.8 26.2 39.4

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

800000

600000

400000

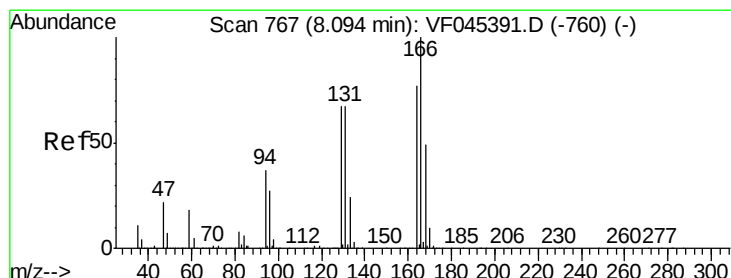
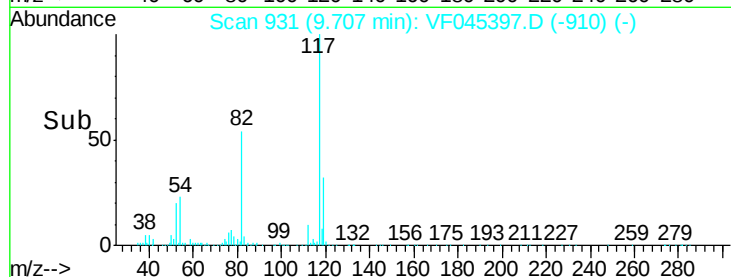
200000

0

9.60 9.70 9.80

9.71

Time-->



#63

Tetrachloroethene

Concen: 21.25 ug/l

RT: 8.09 min Scan# 767

Delta R.T. -0.00 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:164 Resp: 242318

Ion Ratio Lower Upper

164 100

166 130.0 106.0 159.0

129 89.3 69.8 104.6

131 88.8 68.2 102.4

Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

200000

150000

100000

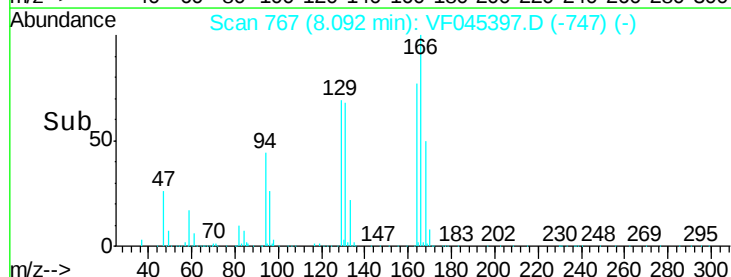
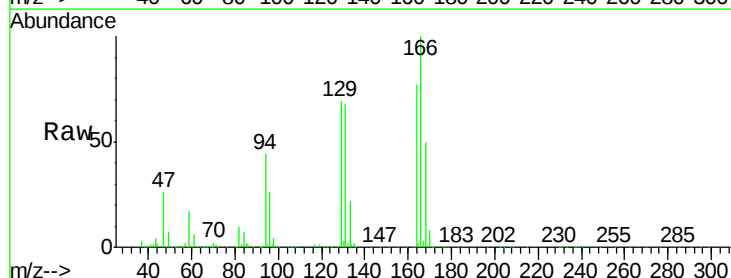
50000

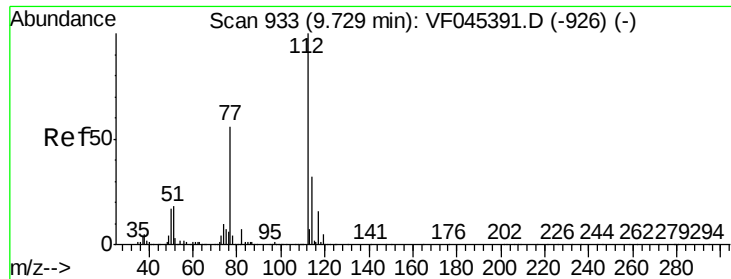
0

8.00 8.10 8.20

8.09

Time-->





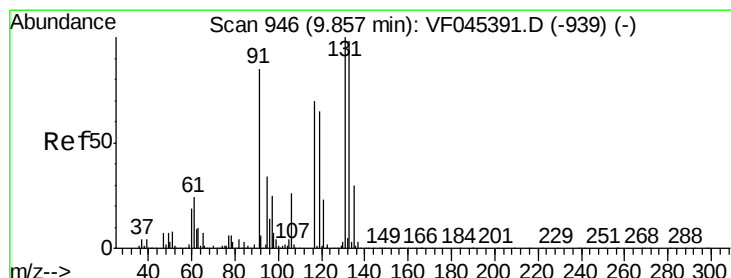
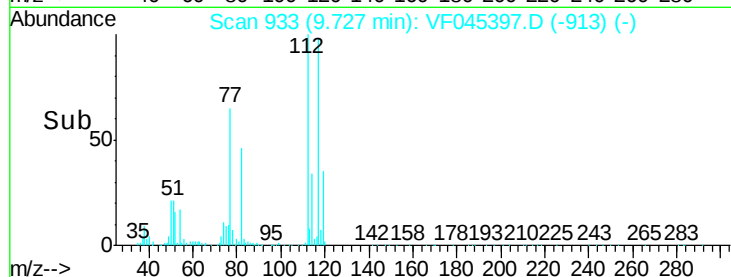
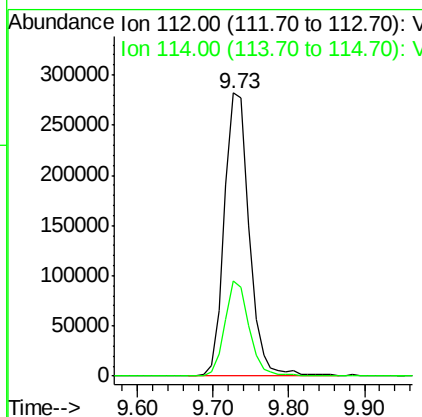
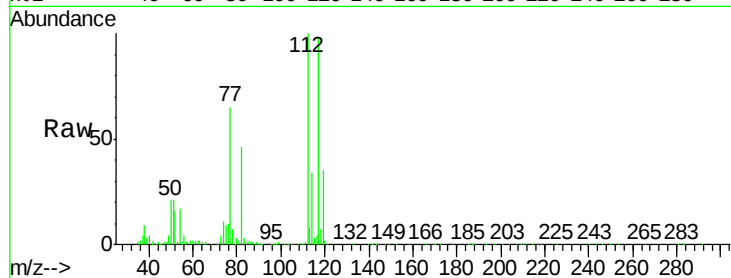
#64
Chlorobenzene
Concen: 21.36 ug/l
RT: 9.73 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion:112 Resp: 643295
Ion Ratio Lower Upper
112 100
114 33.5 25.6 38.4

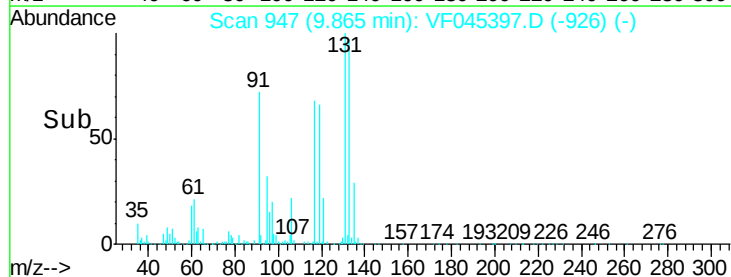
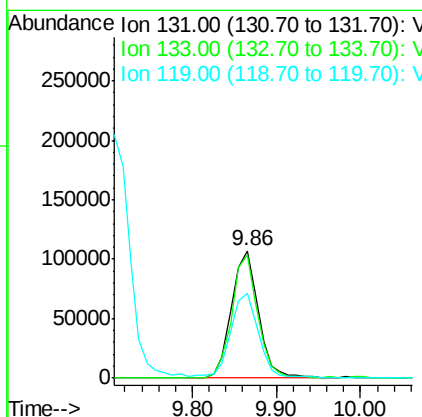
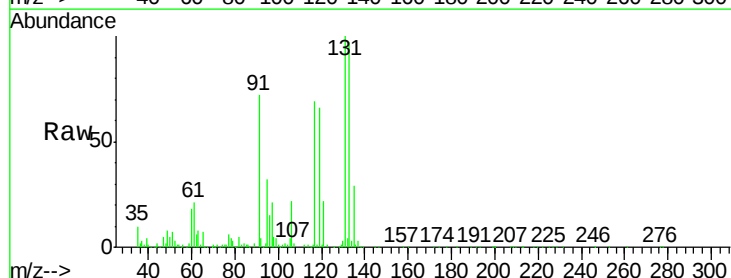
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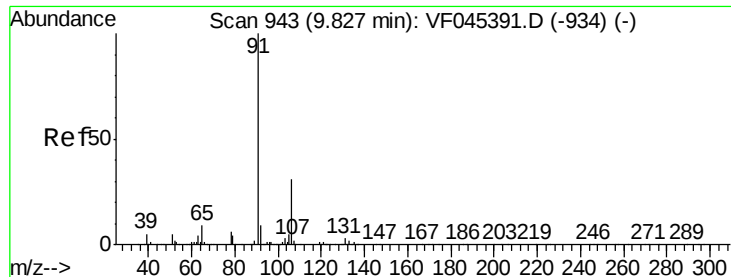
MMDadoda
9/17/2015 12:51:15 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 21.80 ug/l
RT: 9.86 min Scan# 947
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion:131 Resp: 239964
Ion Ratio Lower Upper
131 100
133 97.0 48.1 144.4
119 66.5 34.8 104.5





#66

Ethyl Benzene

Concen: 22.54 ug/l

RT: 9.84 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBSD01

Tot Ion: 91 Resp: 1176351

Ion Ratio Lower Upper

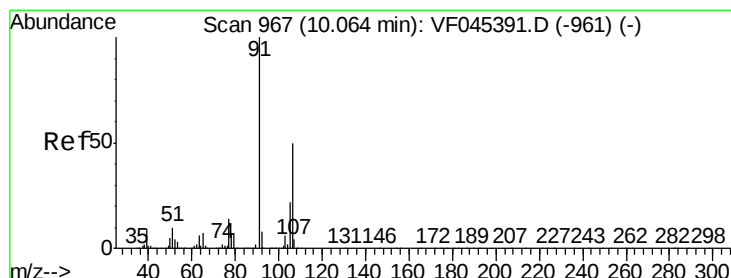
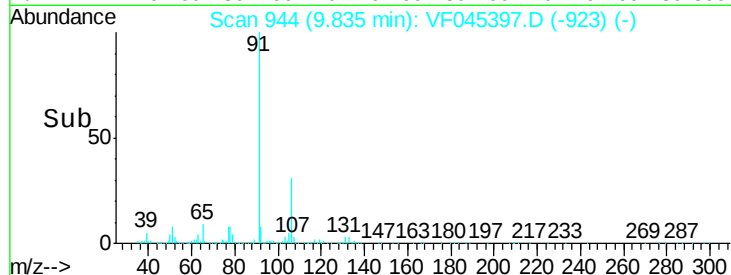
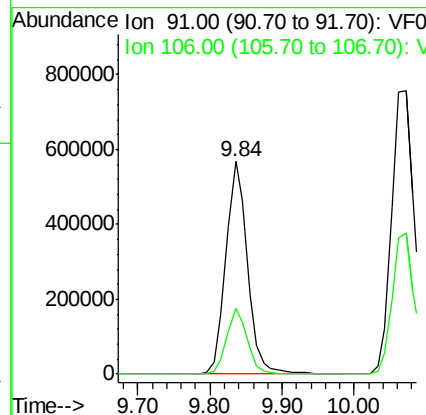
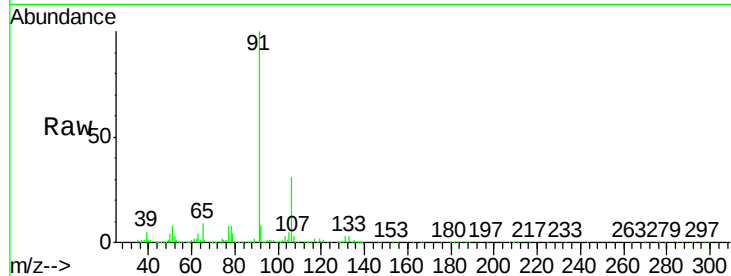
91 100

106 31.0 23.6 35.4

Manual Integrations
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#67

m/p-Xylenes

Concen: 44.01 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF045397.D

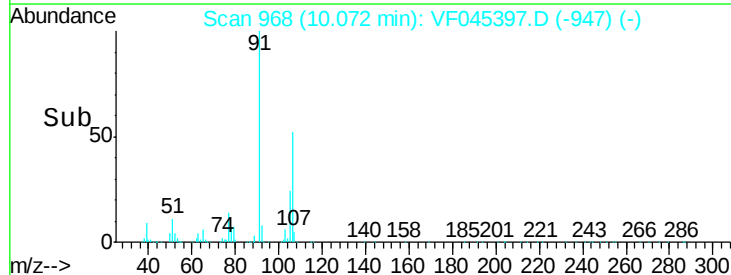
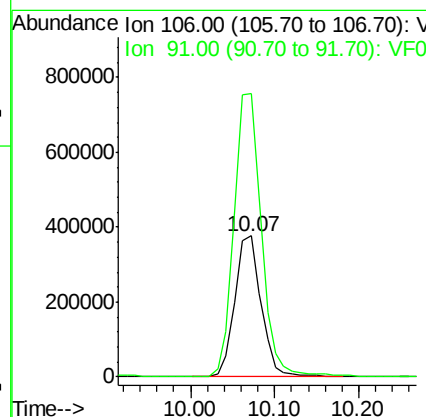
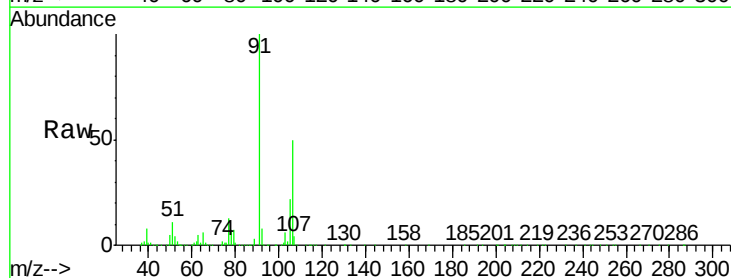
Acq: 16 Sep 2015 18:40

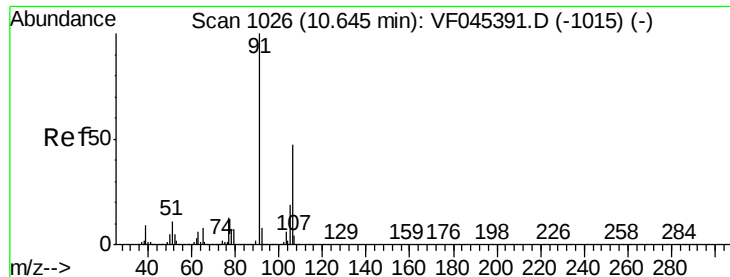
Tgt Ion: 106 Resp: 823060

Ion Ratio Lower Upper

106 100

91 200.9 166.1 249.1





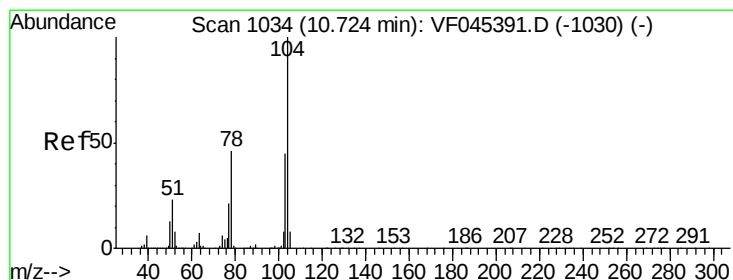
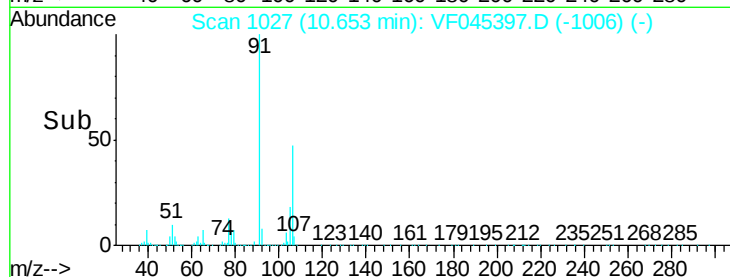
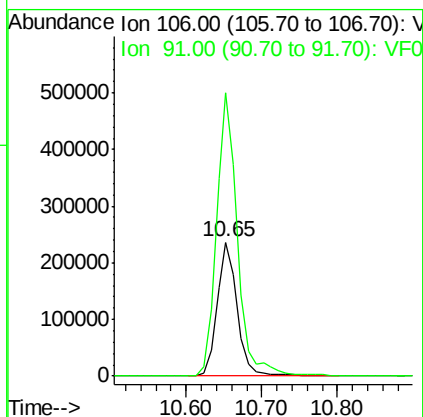
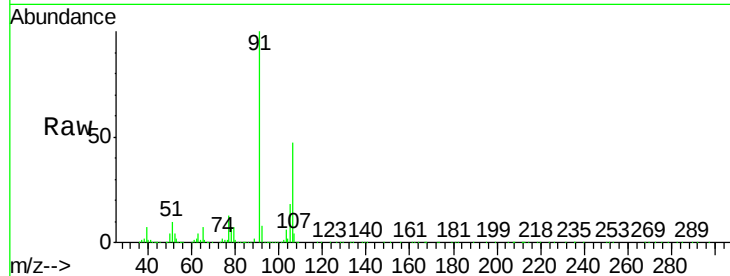
#68
o-Xylene
Concen: 22.60 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBS01

Tot Ion:106 Resp: 438745
Ion Ratio Lower Upper
106 100
91 211.7 108.1 324.2

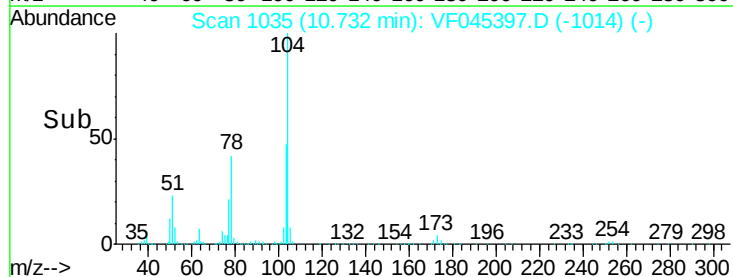
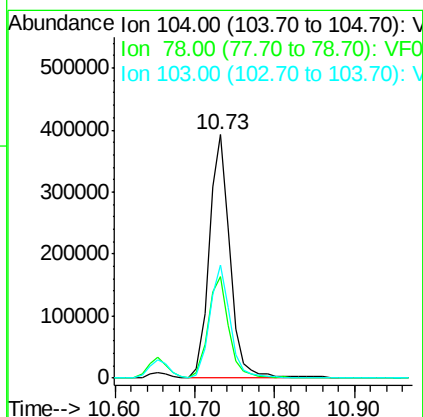
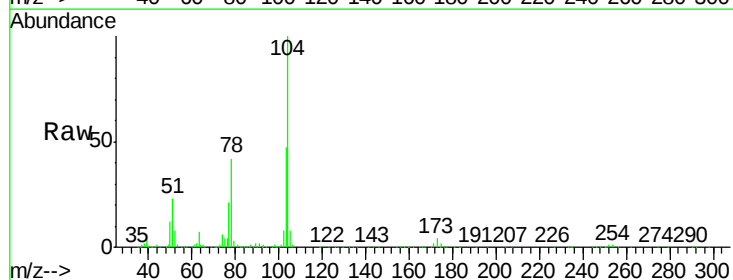
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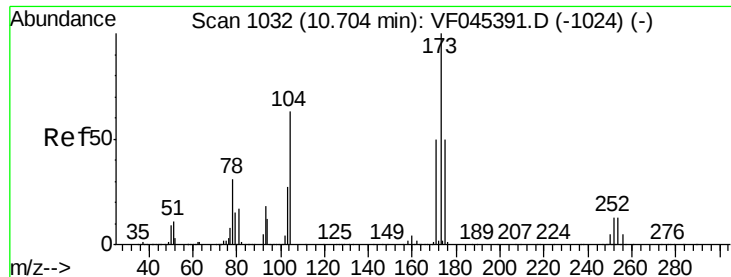
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#69
Styrene
Concen: 23.01 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion:104 Resp: 712926
Ion Ratio Lower Upper
104 100
78 41.9 34.2 51.4
103 46.5 36.7 55.1





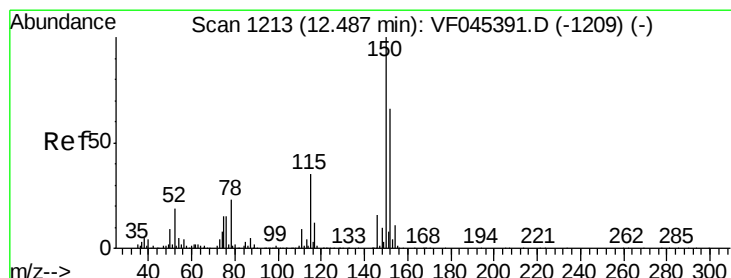
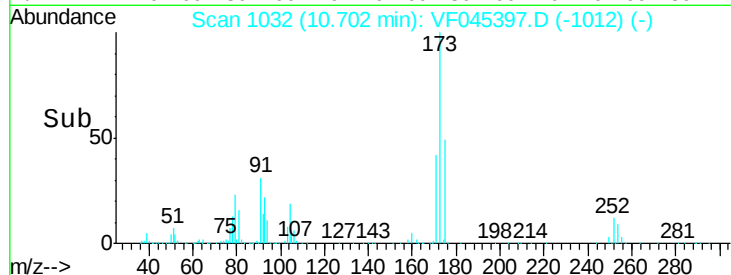
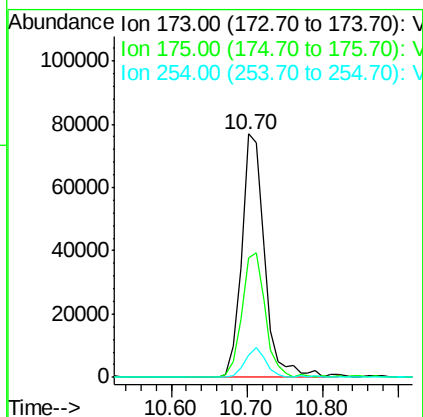
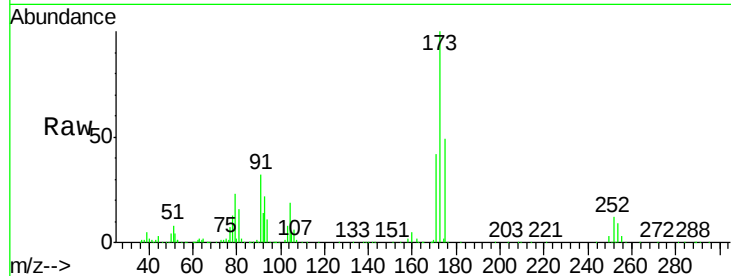
#70
Bromoform
Concen: 19.64 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.7	77.0
254	9.2	9.8	14.6

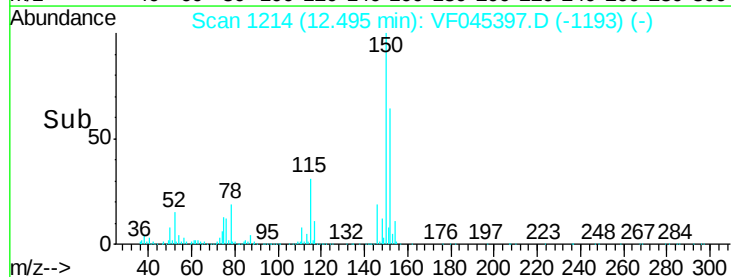
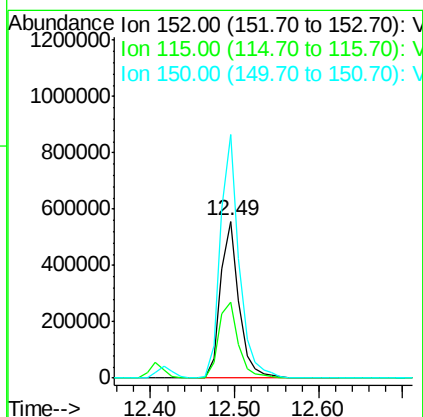
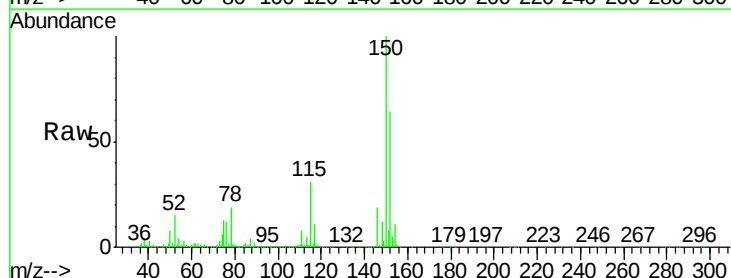
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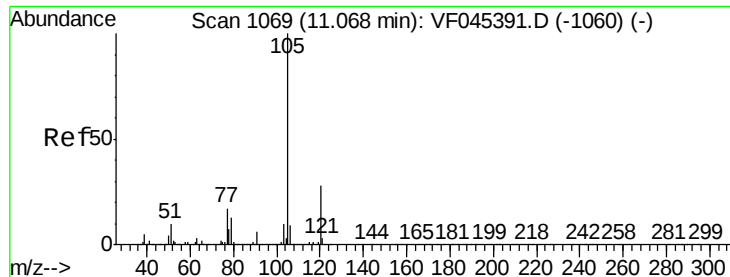
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.8	28.3	85.0
150	155.5	0.0	324.2





#72

Isopropylbenzene

Concen: 21.66 ug/l

RT: 11.08 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBS01

Tot Ion:105 Resp: 1231026

Ion Ratio Lower Upper

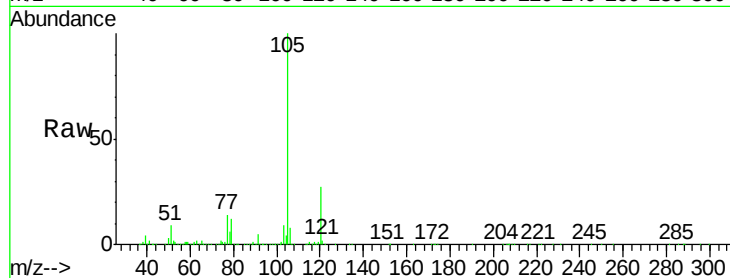
105 100

120 26.8 13.0 39.0

Manual Integrations
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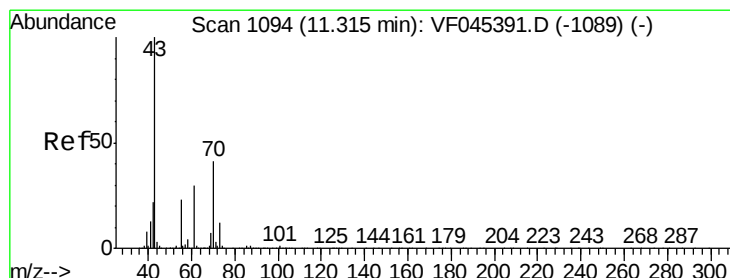
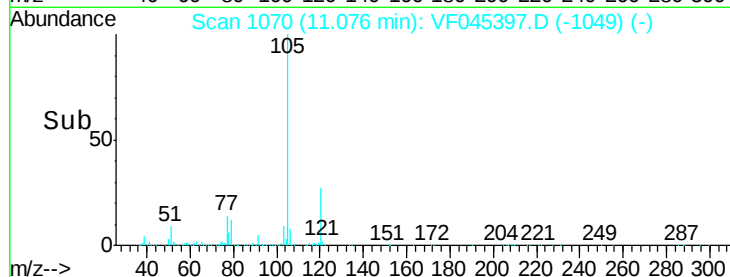
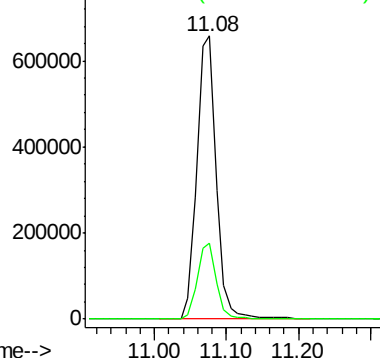
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#73

N-ethyl acetate

Concen: 17.47 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion: 43 Resp: 275215

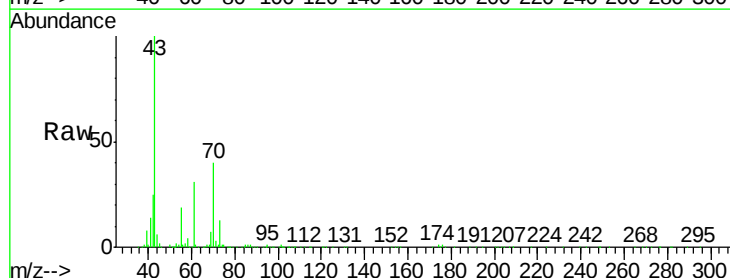
Ion Ratio Lower Upper

43 100

70 40.5 30.0 45.0

55 19.5 16.8 25.2

61 31.5 20.6 30.8#

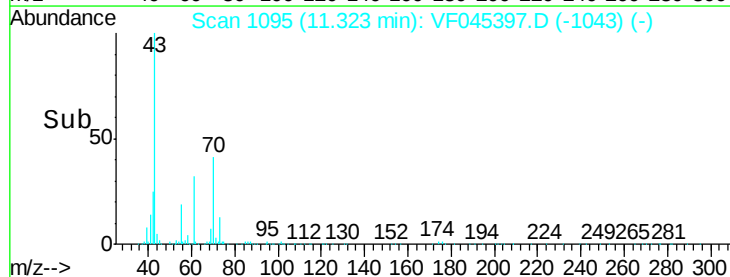
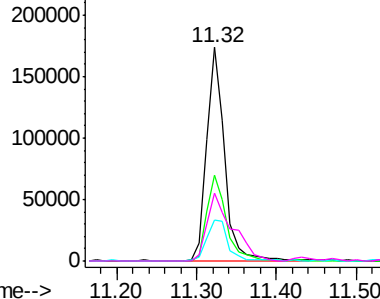


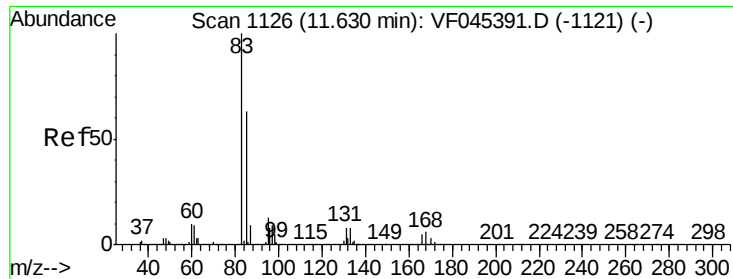
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#74

1,1,2,2-Tetrachloroethane

Concen: 19.14 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

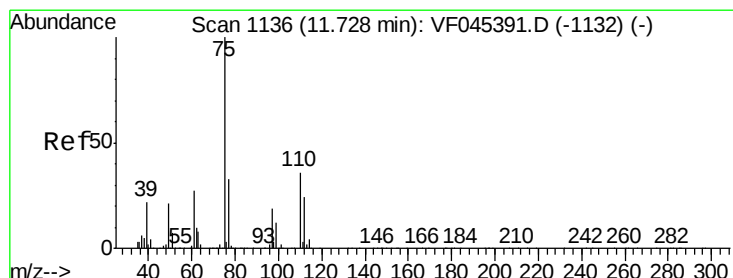
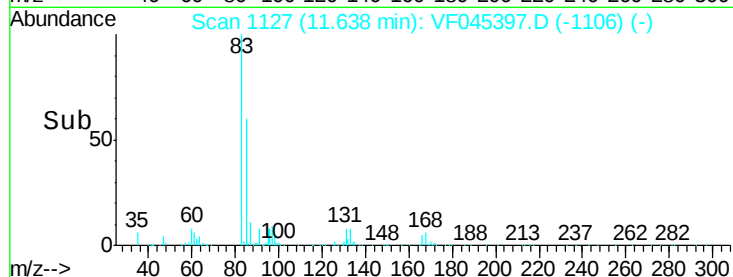
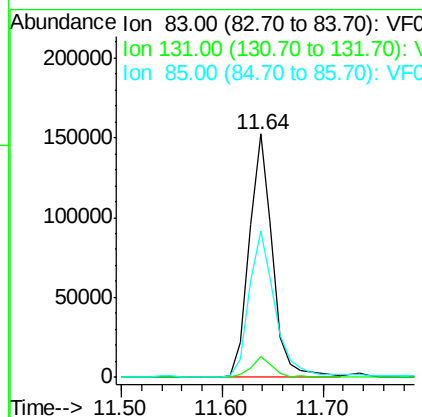
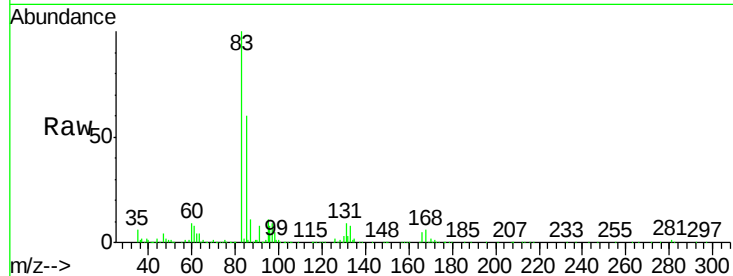
ClientSampleId :

VF0916SBSD01

Tot Ion:	83	Resp:	246469
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.2	12.6
85	60.3	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 18.08 ug/l

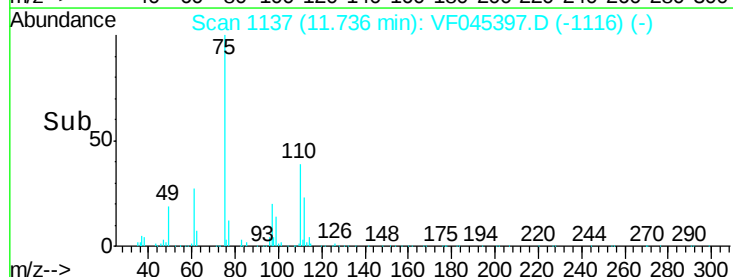
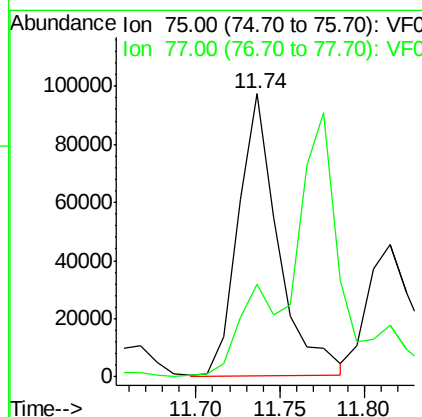
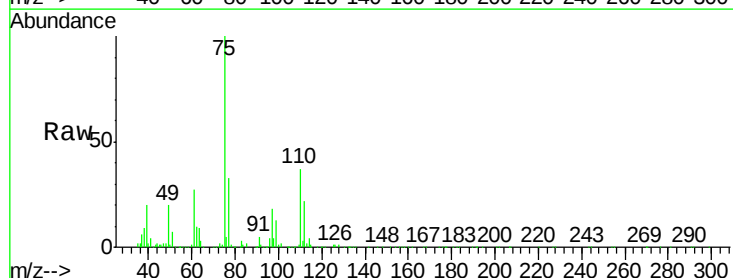
RT: 11.74 min Scan# 1137

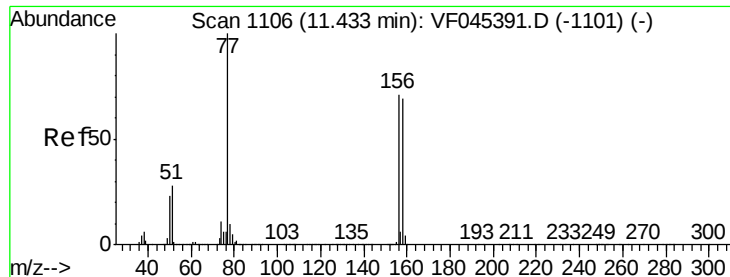
Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	75	Resp:	160131
Ion Ratio	Lower	Upper	
75	100		
77	32.7	15.0	45.1





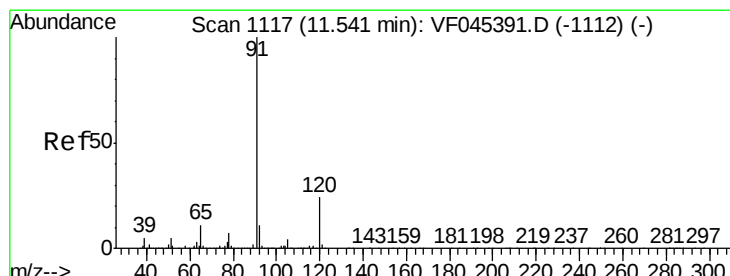
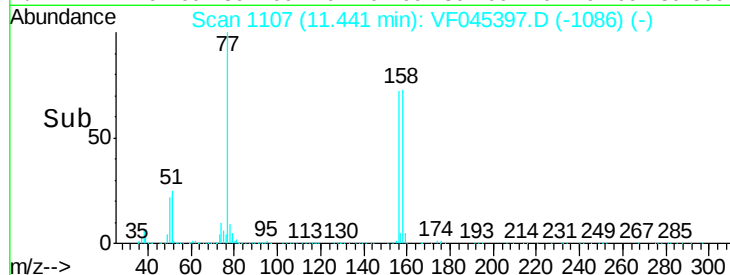
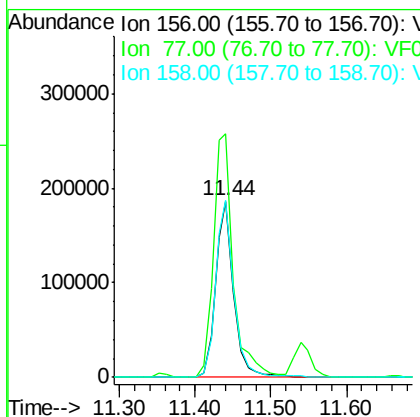
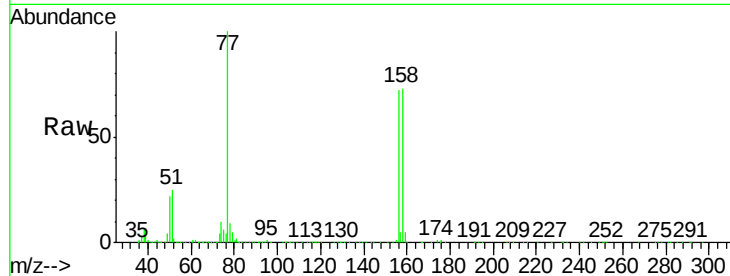
#76
Bromobenzene
Concen: 19.36 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		311953		
77	138.5	74.8	224.3		
158	100.6	49.5	148.7		

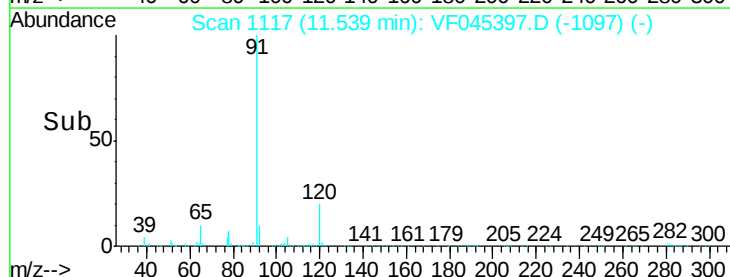
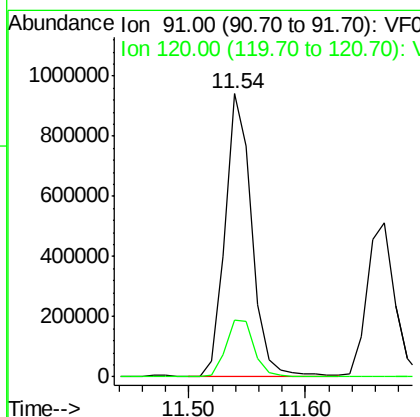
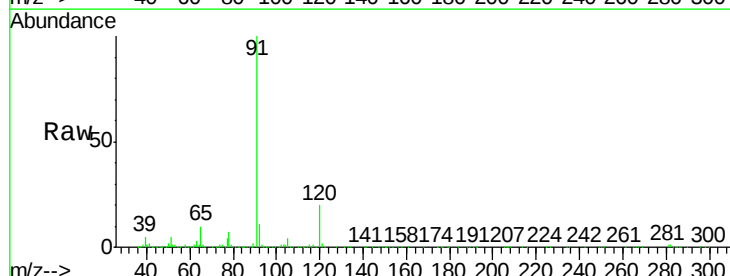
Manual Integrations
APPROVED

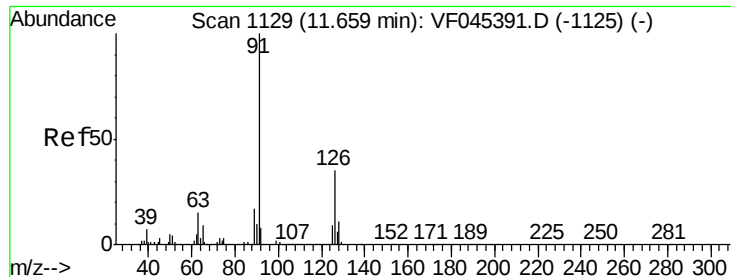
MMDadoda
9/17/2015 12:51:15 PM



#77
n-propylbenzene
Concen: 21.23 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1497356		
120	20.0	11.6	34.7		





#78

2-Chlorotoluene

Concen: 21.48 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0916SBSD01

Tot Ion: 91 Resp: 847762

Ion Ratio Lower Upper

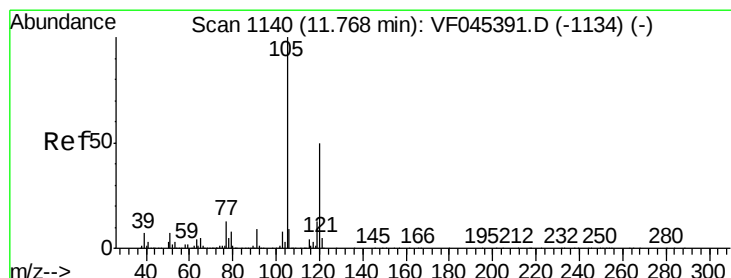
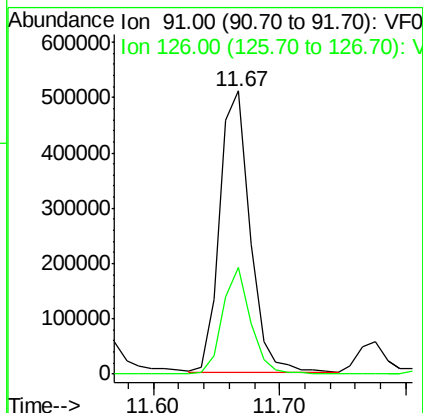
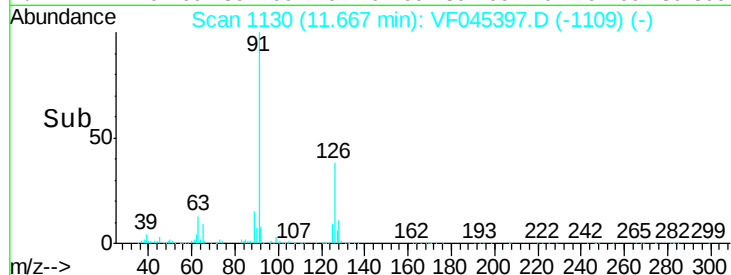
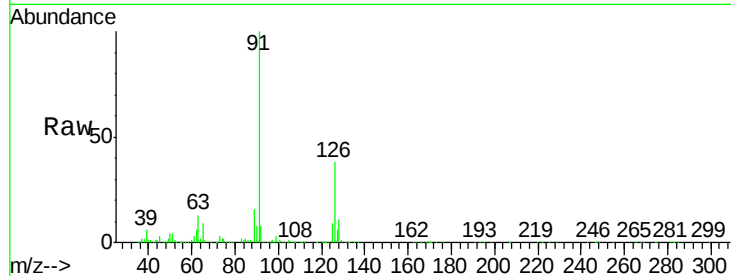
91 100

126 37.5 16.9 50.7

Manual Integrations
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#79

1,3,5-Trimethylbenzene

Concen: 20.94 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045397.D

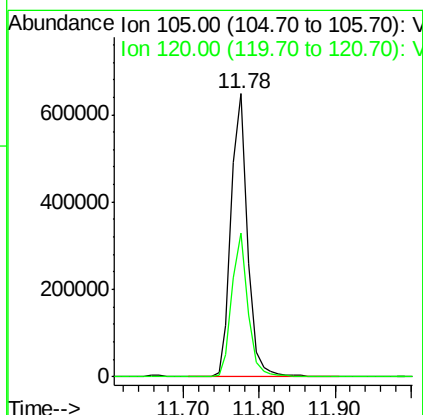
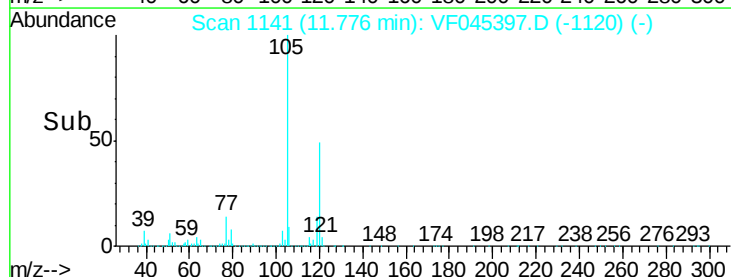
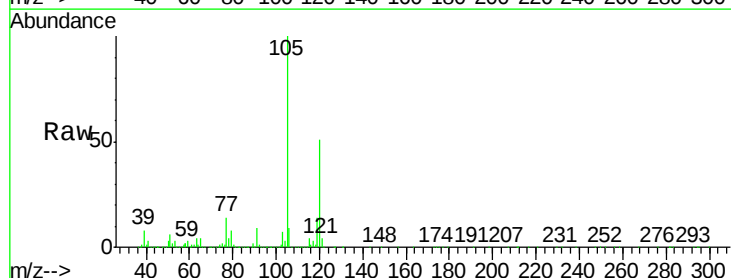
Acq: 16 Sep 2015 18:40

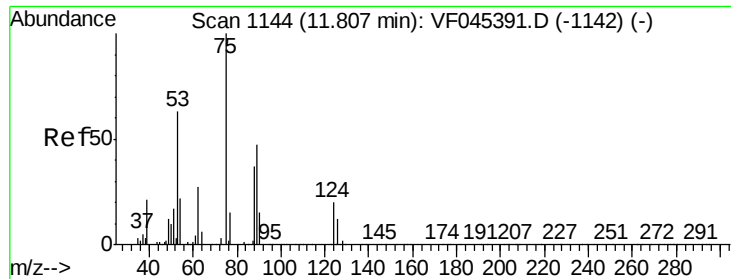
Tgt Ion: 105 Resp: 969893

Ion Ratio Lower Upper

105 100

120 50.9 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 17.28 ug/l m

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

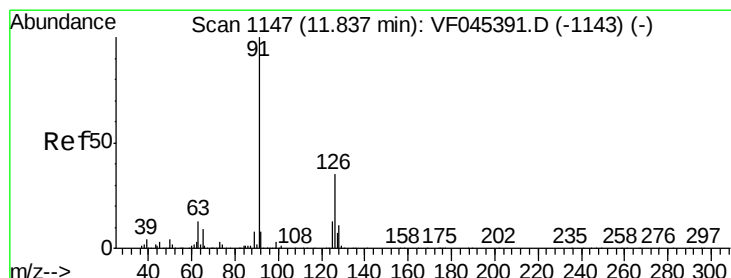
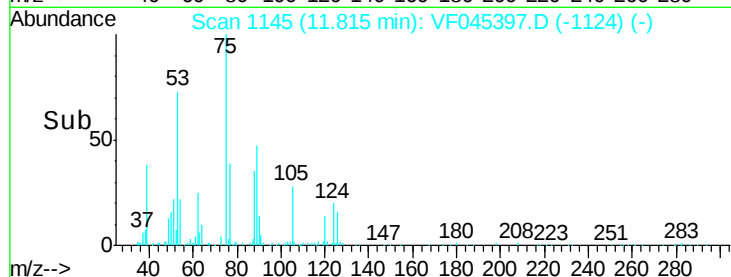
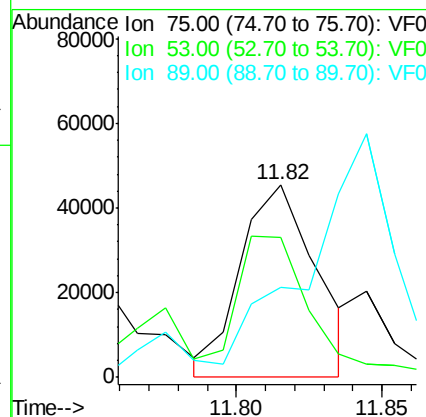
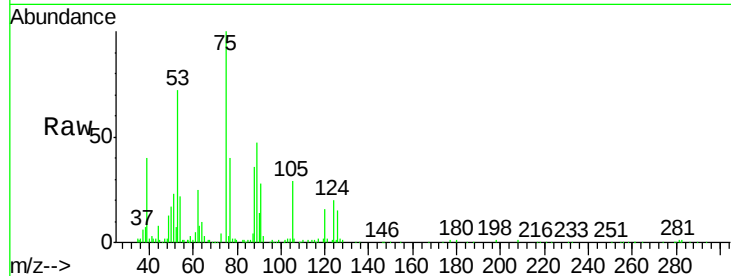
ClientSampleId :

VF0916SBSD01

Tot Ion:	75	Resp:	81996
Ion Ratio	Lower	Upper	
75	100		
53	72.4	51.0	76.6
89	47.1	38.6	57.8

Manual Integrations
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#81

4-Chlorotoluene

Concen: 20.73 ug/l

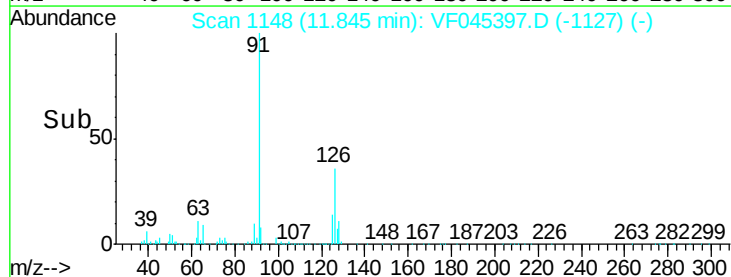
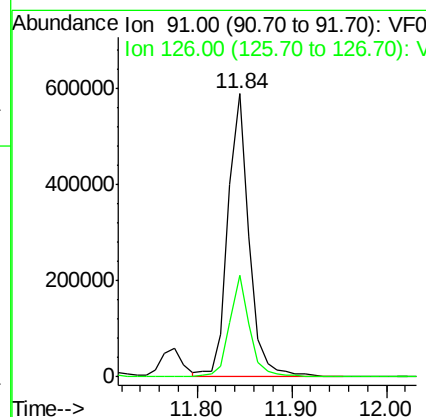
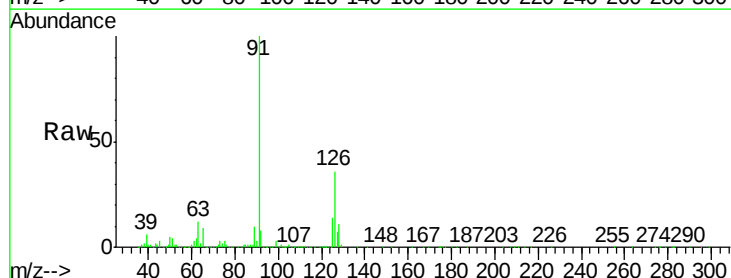
RT: 11.84 min Scan# 1148

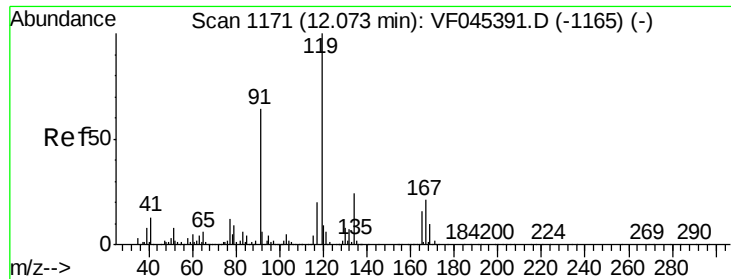
Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	91	Resp:	904404
Ion Ratio	Lower	Upper	
91	100		
126	35.8	15.8	47.4





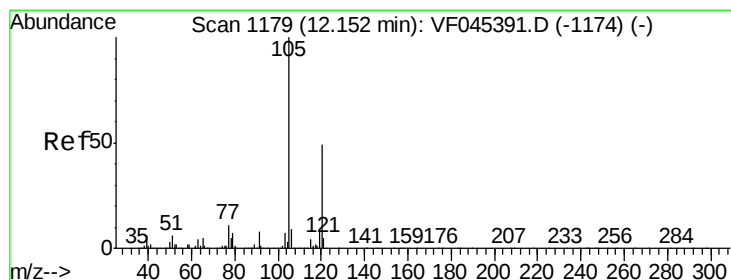
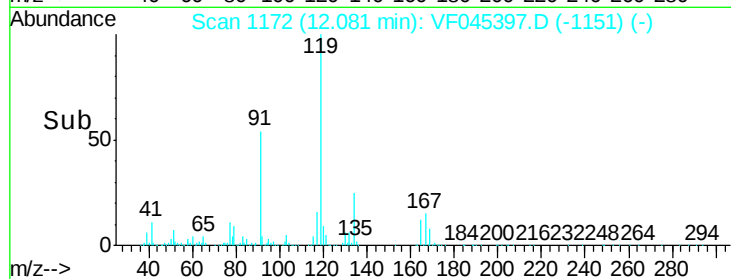
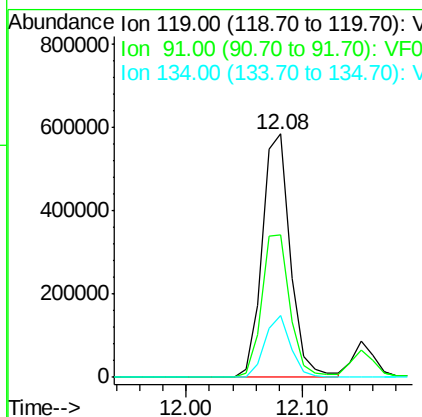
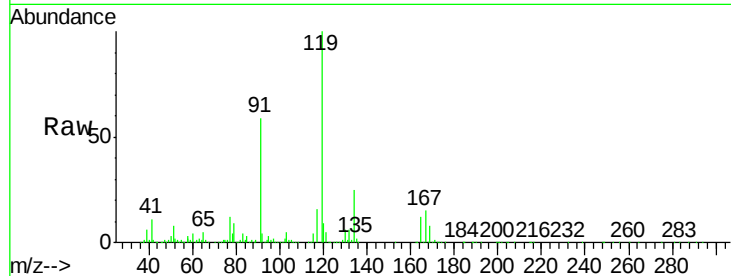
#82
tert-Butylbenzene
Concen: 21.34 ug/l
RT: 12.08 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	977399		
91	58.8	31.1	93.2	
134	25.3	12.2	36.6	

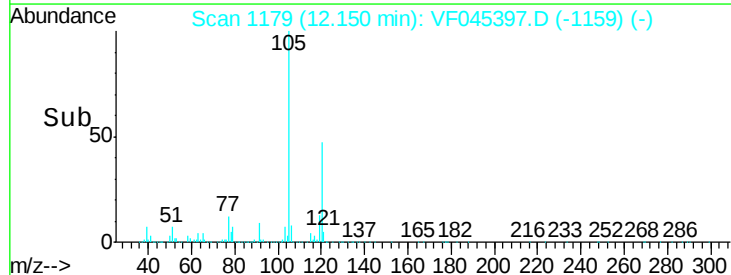
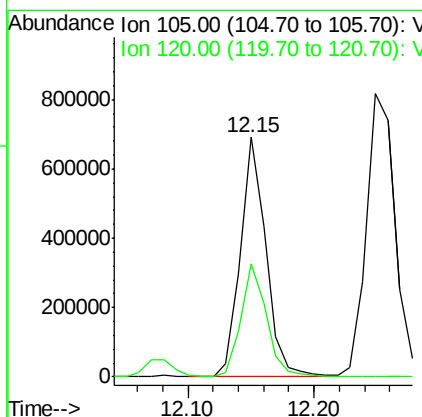
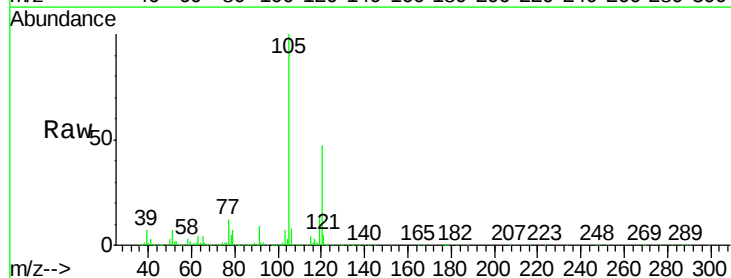
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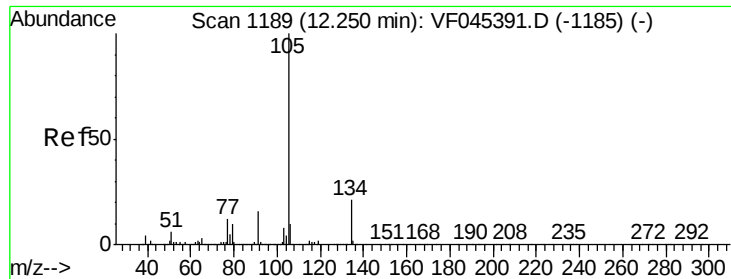
MMDadoda
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#83
1,2,4-Trimethylbenzene
Concen: 20.39 ug/l
RT: 12.15 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	968371		
120	47.4	22.9	68.7	





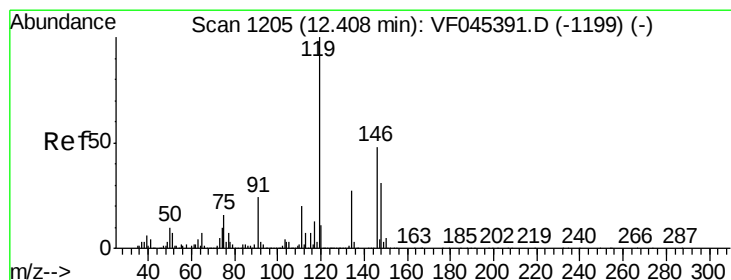
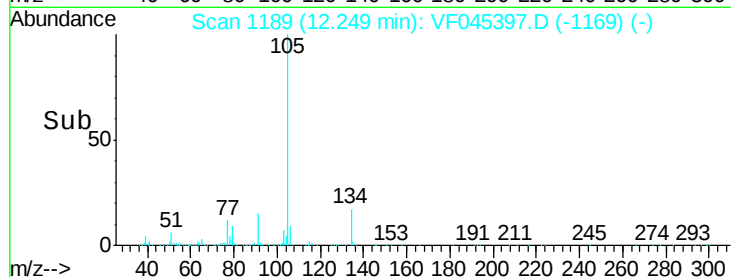
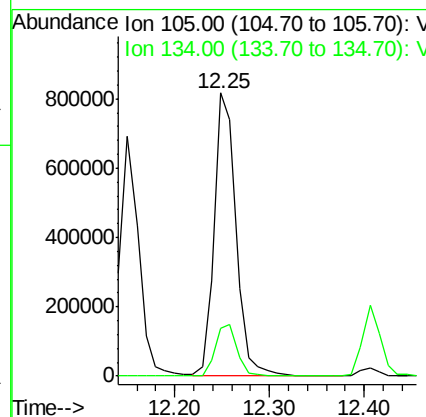
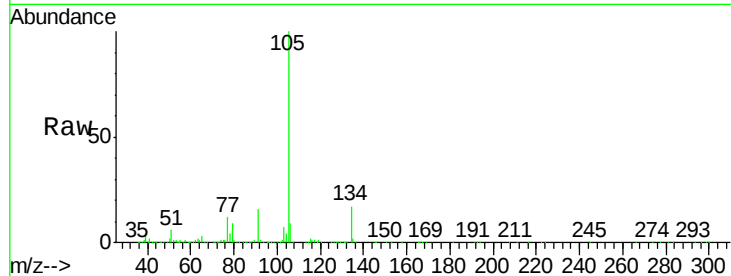
#84
 sec-Butylbenzene
 Concen: 20.63 ug/l
 RT: 12.25 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBSD01

Tot Ion:105 Resp: 1313493
 Ion Ratio Lower Upper
 105 100
 134 17.1 10.5 31.6

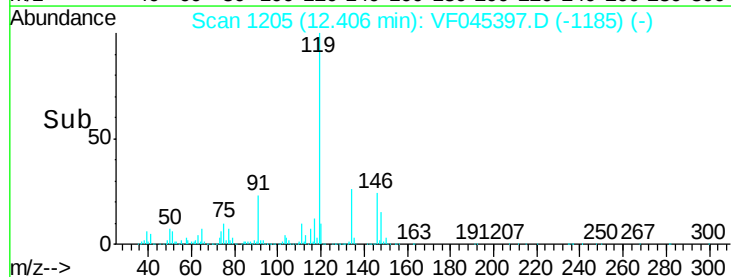
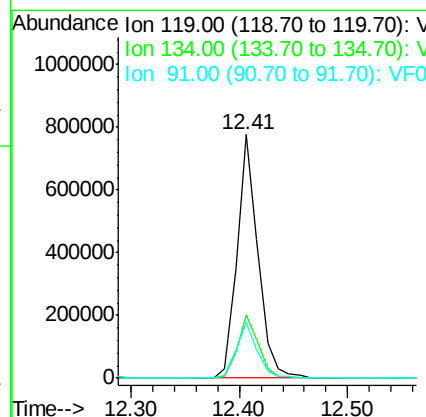
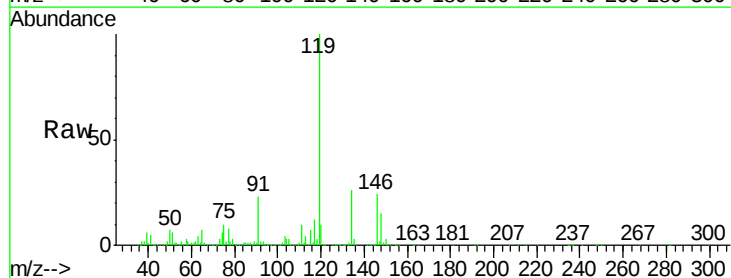
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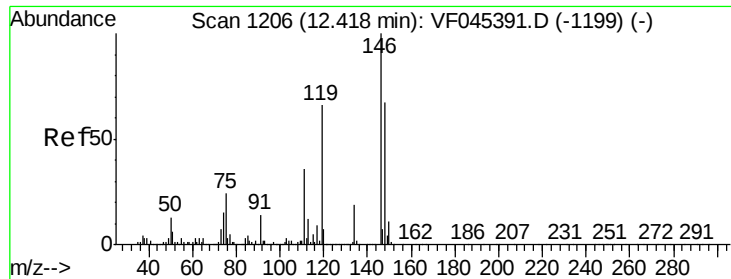
MMDadoda
 9/17/2015 12:51:15 PM



#85
 p-Isopropyltoluene
 Concen: 21.12 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion:119 Resp: 1047153
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 22.7 12.2 36.6





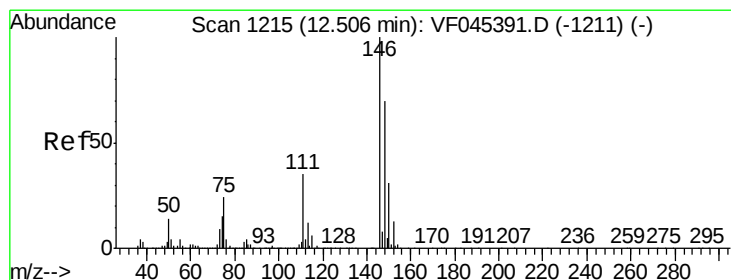
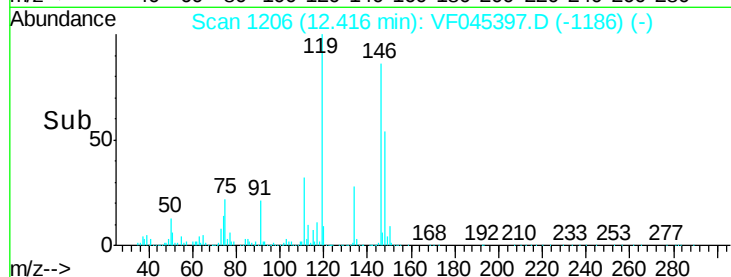
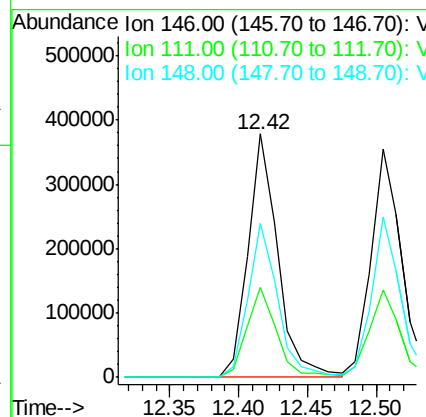
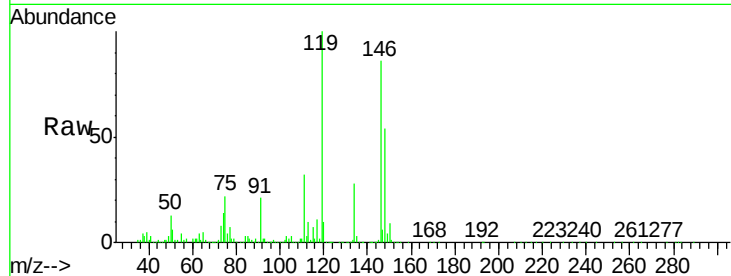
#86
 1,3-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.9	59.7
148	63.1	32.5	97.4

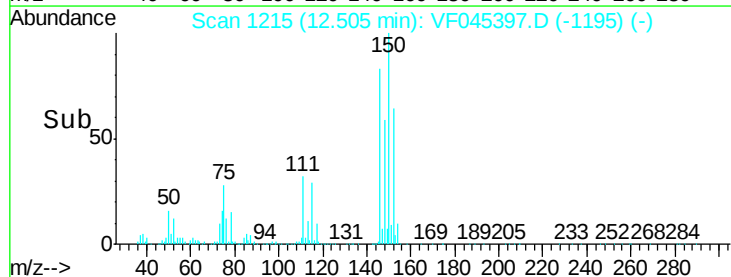
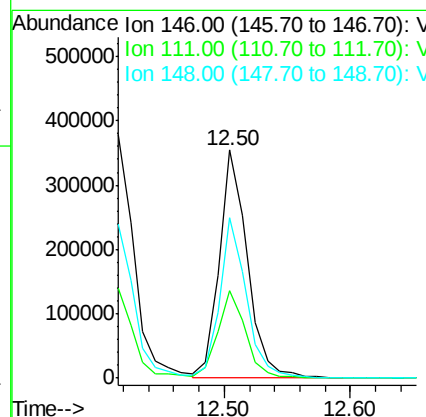
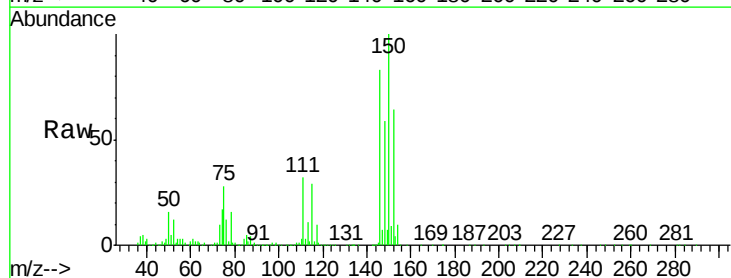
Manual Integrations
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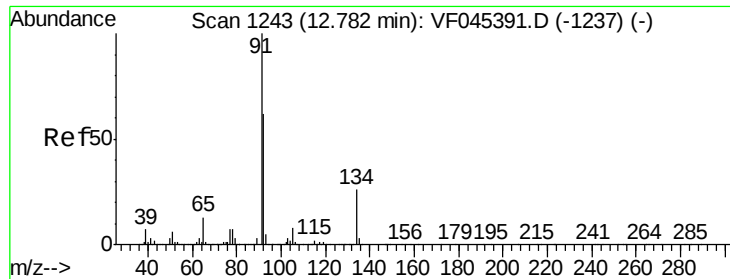
MMDadoda
 9/17/2015 12:51:15 PM



#87
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	17.3	52.0
148	70.4	32.4	97.0





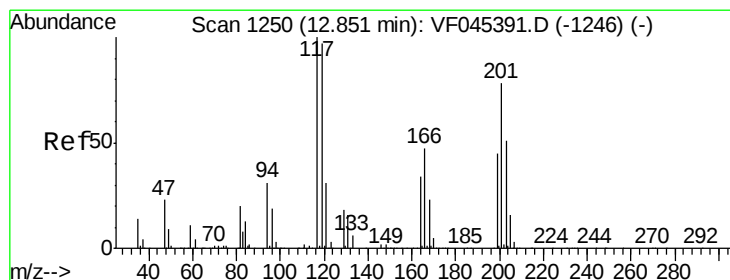
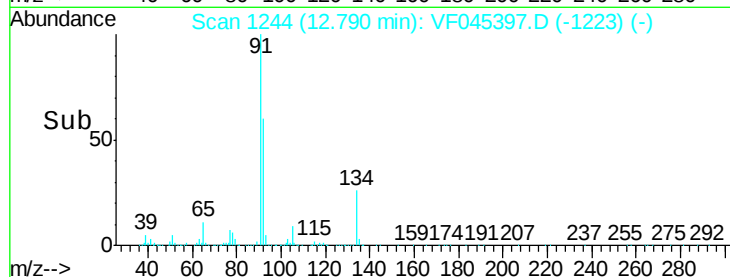
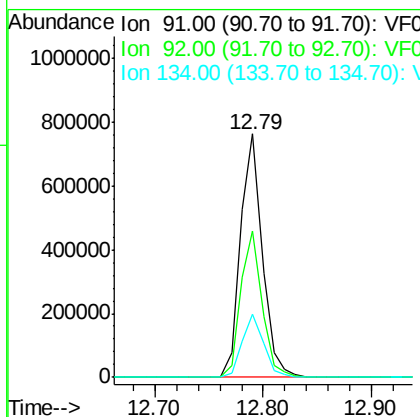
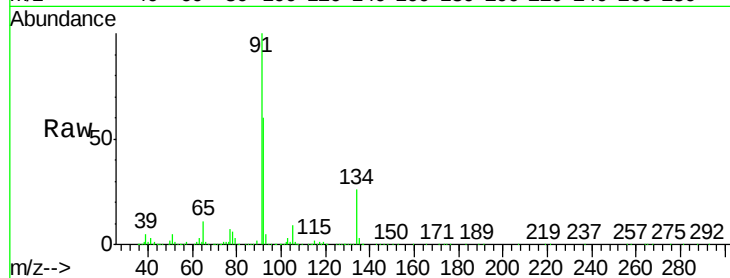
#88
n-Butylbenzene
Concen: 21.58 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0916SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.9	30.1	90.5
134	25.8	13.8	41.4

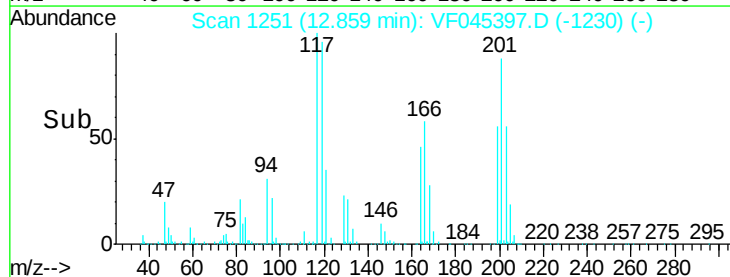
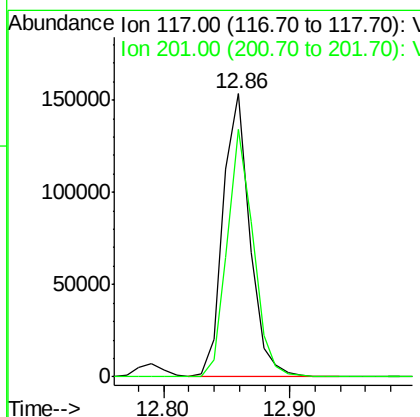
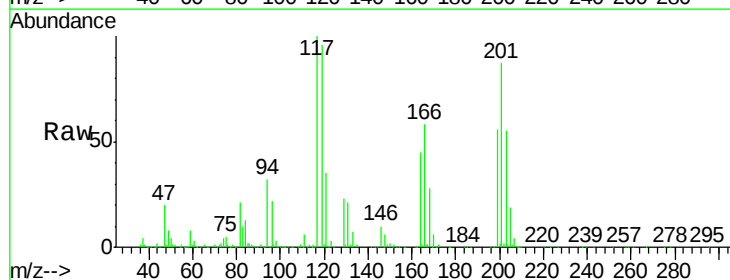
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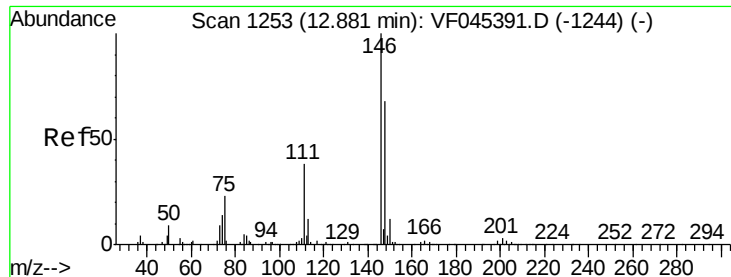
MMDadoda
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#89
Hexachloroethane
Concen: 19.21 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045397.D
Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	42.0	126.1





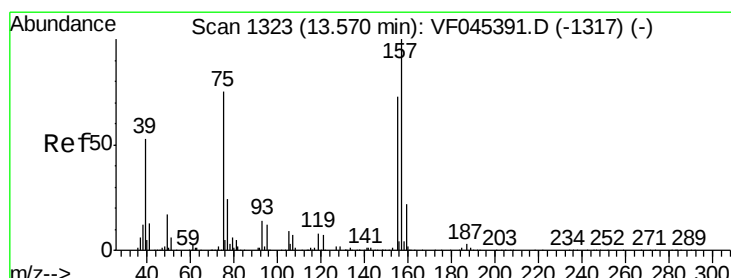
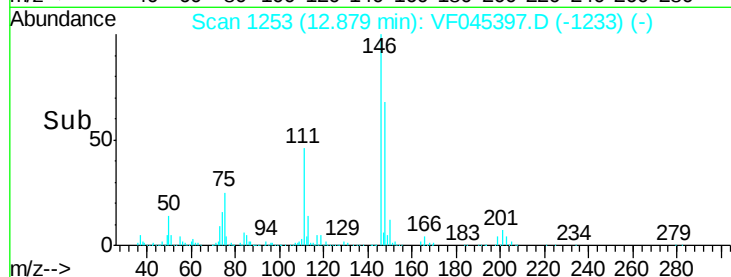
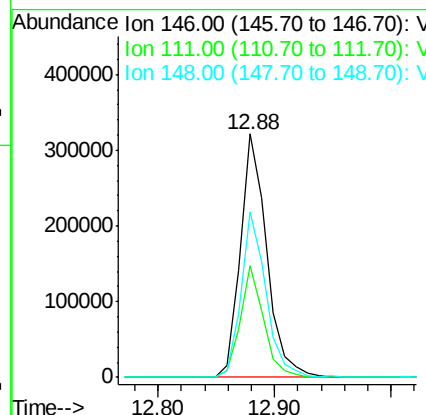
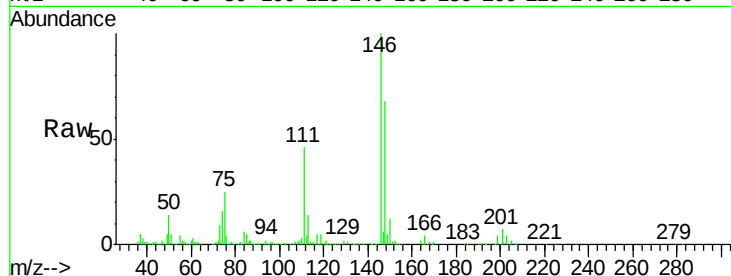
#90
 1,2-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.4	64.3
148	68.0	31.4	94.3

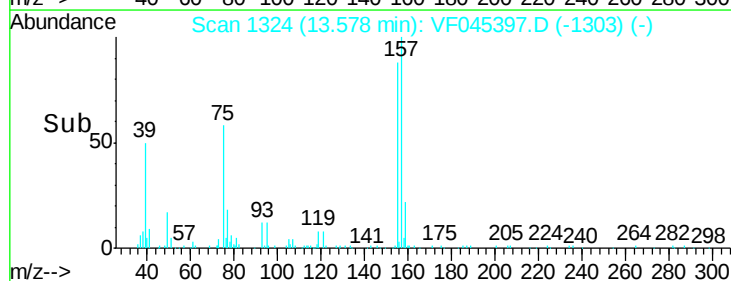
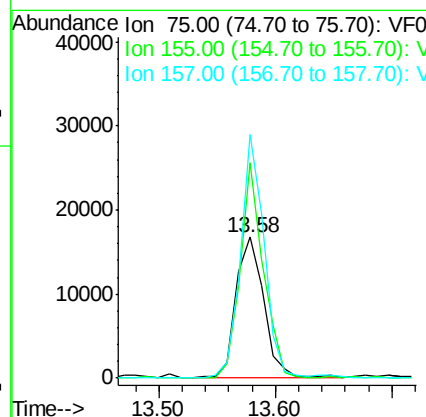
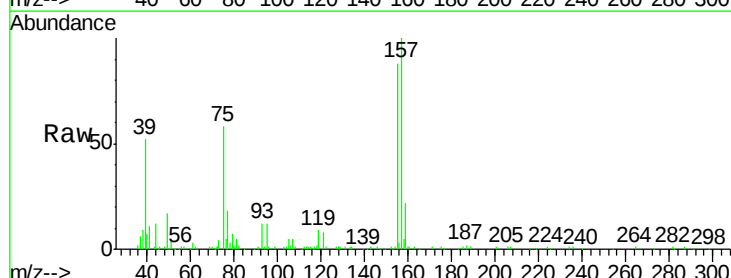
Manual Integrations
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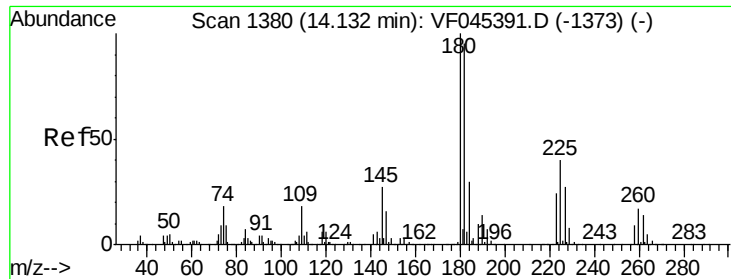
MMDadoda
 9/17/2015 12:51:15 PM



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 16.53 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	153.0	49.2	147.6#
157	173.0	66.8	200.4





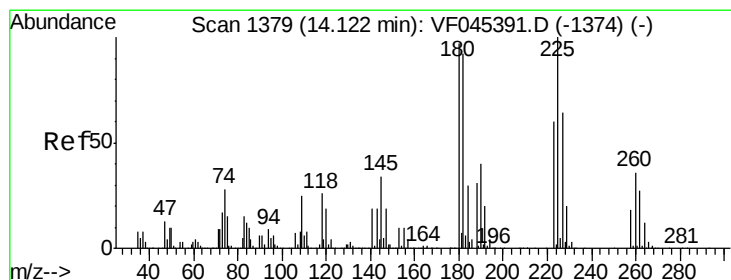
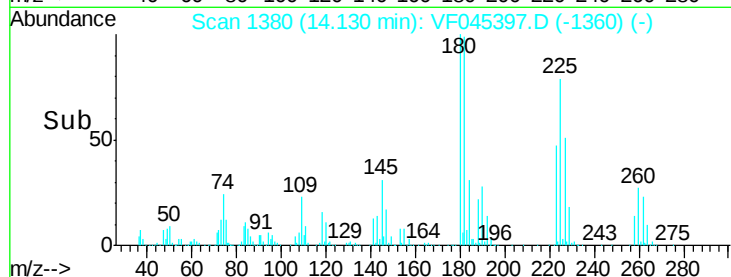
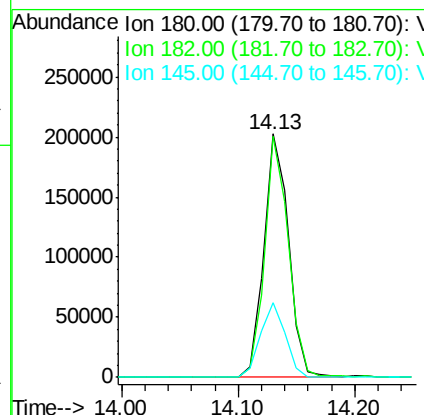
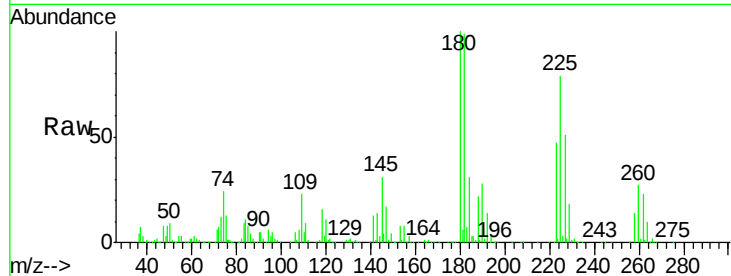
#92
 1,2,4-Trichlorobenzene
 Concen: 20.31 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0916SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	296202		
182	99.1	49.4	148.0	
145	30.9	16.7	50.1	

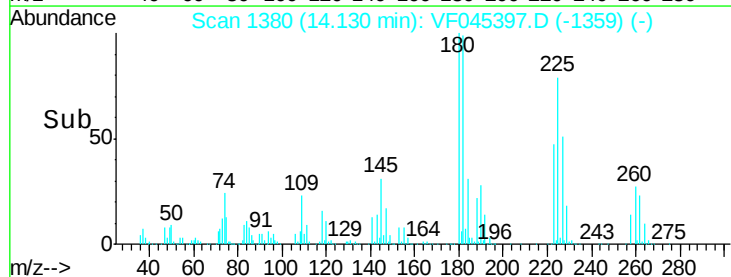
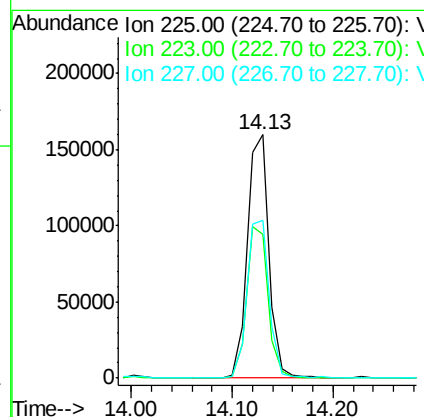
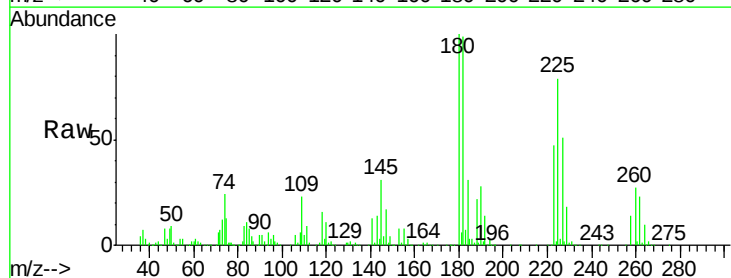
Manual Integrations
 APPROVED

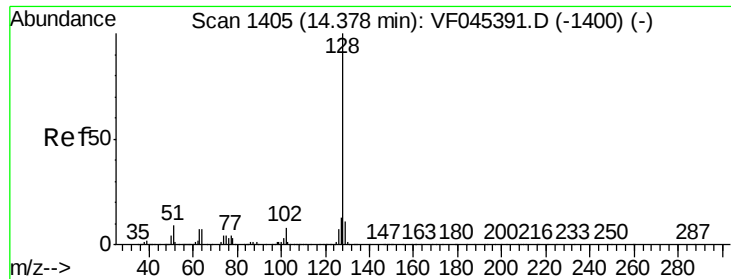
MMDadoda
 9/17/2015 12:51:15 PM



#93
 Hexachlorobutadiene
 Concen: 21.39 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VF045397.D
 Acq: 16 Sep 2015 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	236960		
223	59.1	31.9	95.5	
227	64.7	32.9	98.7	





#94

Naphthalene

Concen: 17.94 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Instrument :

MSVOA_F

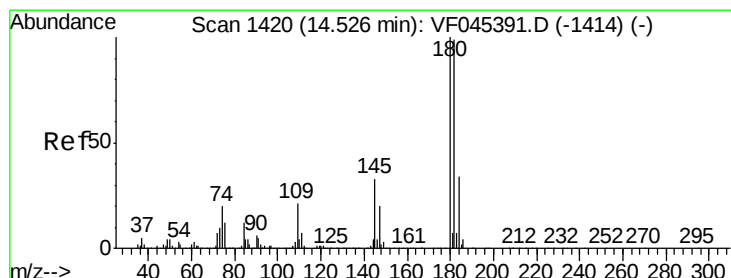
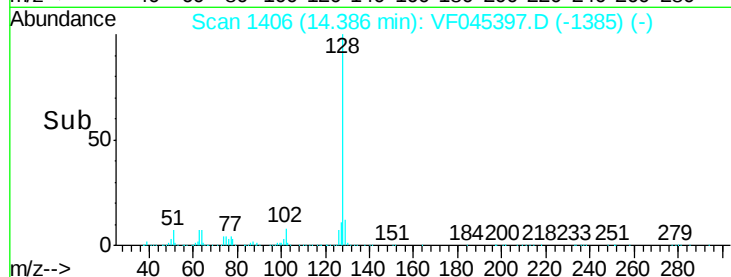
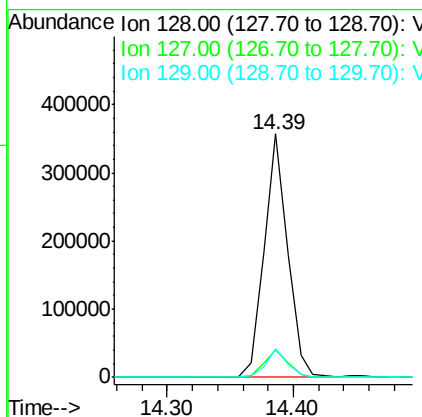
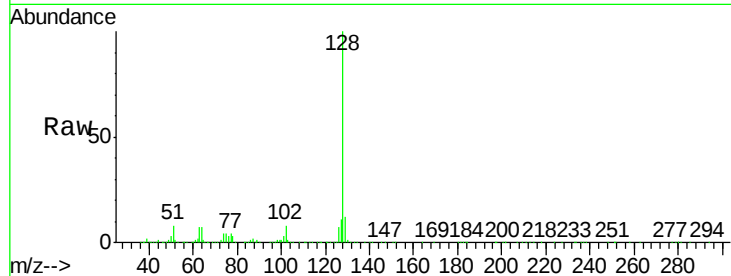
ClientSampleId :

VF0916SBSD01

Tot Ion:	128	Resp:	463442
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.8	14.8
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:51:15 PM



#95

1,2,3-Trichlorobenzene

Concen: 20.55 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045397.D

Acq: 16 Sep 2015 18:40

Tgt Ion:	180	Resp:	246240
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.6	142.8
145	27.8	14.5	43.6

