

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045392.D
 Acq On : 16 Sep 2015 15:08
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:55 PM

Quant Time: Sep 16 15:58:55 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1081131	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1564855	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1513596	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	841351	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	831981	72.87	ug/l	0.01
Spiked Amount	50.000		Recovery	=	145.74%	
34) Dibromofluoromethane	4.04	113	890867	74.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	148.56%	
49) Toluene-d8	7.50	98	2544665	70.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.32%	
61) 4-Bromofluorobenzene	11.35	95	1220236	74.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	694214	79.11	ug/l	97
3) Chloromethane	1.03	50	586040	60.79	ug/l	96
4) Vinyl Chloride	1.09	62	515564	69.33	ug/l	97
5) Bromomethane	1.25	94	314657	86.69	ug/l	100
6) Chloroethane	1.33	64	210094	85.10	ug/l	96
7) Trichlorofluoromethane	1.39	101	1038426m	85.84	ug/l	
8) Diethyl Ether	1.60	74	223195	73.17	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.77	101	592535	76.41	ug/l	96
10) Methyl Iodide	1.80	142	1255742	82.50	ug/l	94
11) Tert butyl alcohol	2.51	59	45572m	352.32	ug/l	
12) 1,1-Dichloroethene	1.71	96	503652	77.75	ug/l	97
13) Acrolein	1.95	56	209736	310.56	ug/l	96
14) Allyl chloride	2.05	41	824873	68.23	ug/l	99
15) Acrylonitrile	2.88	53	460578	293.61	ug/l	94
16) Acetone	2.19	43	1065456	381.76	ug/l	98
17) Carbon Disulfide	1.72	76	1722393	80.12	ug/l	99
18) Methyl Acetate	2.30	43	771401	60.24	ug/l	92
19) Methyl tert-butyl Ether	2.38	73	414952	81.95	ug/l	98
20) Methylene Chloride	2.14	84	543886	74.34	ug/l	86
21) trans-1,2-Dichloroethene	2.27	96	577597	76.98	ug/l	98
22) Diisopropyl ether	2.75	45	1672065	63.23	ug/l	99
23) Vinyl Acetate	3.12	43	2455618	304.28	ug/l	99
24) 1,1-Dichloroethane	2.82	63	1170803	74.33	ug/l	99
25) 2-Butanone	4.26	43	1358561	283.84	ug/l	96
26) 2,2-Dichloropropane	3.54	77	1020454	74.53	ug/l	99
27) cis-1,2-Dichloroethene	3.41	96	839865	70.83	ug/l	98
28) Bromochloromethane	3.65	49	426700	51.76	ug/l #	93
29) Chloroform	3.78	83	1614643	77.33	ug/l	99
30) Cyclohexane	3.64	56	1012725	61.52	ug/l	98
31) 1,1,1-Trichloroethane	4.03	97	1314885	81.24	ug/l	98
35) 1,1-Dichloropropene	4.22	75	1147199	77.01	ug/l	97
36) Ethyl Acetate	4.04	43	562656	62.90	ug/l #	53
37) Carbon Tetrachloride	3.93	117	1249399	97.62	ug/l	100
38) Methylcyclohexane	5.40	83	1179676	73.32	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	2703611	72.38	ug/l	100
40) Methacrylonitrile	4.67	41	262306	61.90	ug/l	94
41) 1,2-Dichloroethane	4.88	62	1100310	87.70	ug/l	93
42) Isopropyl Acetate	6.91	43	766848	63.39	ug/l #	99
43) Trichloroethene	5.45	130	897335	83.65	ug/l	93
44) 1,2-Dichloropropane	6.18	63	792788	70.49	ug/l	99
45) Dibromomethane	6.02	93	570712	81.61	ug/l	92
46) Bromodichloromethane	6.32	83	1294002	87.40	ug/l	95
47) Methyl methacrylate	6.66	41	478623	67.83	ug/l	88
48) 1,4-Dioxane	6.64	88	114807	1599.03	ug/l	96
50) 4-Methyl-2-Pentanone	8.20	43	2652910	304.45	ug/l	99
51) Toluene	7.57	92	1944265	75.97	ug/l	92
52) t-1,3-Dichloropropene	8.22	75	1151413	81.06	ug/l	97
53) cis-1,3-Dichloropropene	7.24	75	1346312	77.57	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	710488	80.10	ug/l	97
55) Ethyl methacrylate	8.56	69	926838	75.01	ug/l	97
56) 1,3-Dichloropropane	8.79	76	1121808	73.05	ug/l	100
58) 2-Hexanone	9.43	43	2004027	290.09	ug/l	97
59) Dibromochloromethane	8.65	129	1012907	90.50	ug/l	98
60) 1,2-Dibromoethane	8.92	107	824545	82.61	ug/l	96
63) Tetrachloroethene	8.10	164	902530	87.08	ug/l	98
64) Chlorobenzene	9.73	112	2384076	76.69	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	904837	84.75	ug/l	98
66) Ethyl Benzene	9.83	91	4000240	72.46	ug/l	97
67) m/p-Xylenes	10.07	106	2871058	150.03	ug/l	93
68) o-Xylene	10.65	106	1557452	77.71	ug/l	96
69) Styrene	10.73	104	2582402	80.36	ug/l	97
70) Bromoform	10.71	173	705421	93.32	ug/l	98
72) Isopropylbenzene	11.07	105	4161681	67.58	ug/l	93
73) N-amyl acetate	11.32	43	1209321	56.82	ug/l #	92
74) 1,1,2,2-Tetrachloroethane	11.63	83	941176	63.66	ug/l	99
75) 1,2,3-Trichloropropane	11.73	75	675351	63.46	ug/l	98
76) Bromobenzene	11.44	156	1231054	77.66	ug/l	90
77) n-propylbenzene	11.55	91	5071057	64.22	ug/l	94
78) 2-Chlorotoluene	11.66	91	2922844	66.65	ug/l	97
79) 1,3,5-Trimethylbenzene	11.77	105	3429037	69.56	ug/l	96
80) trans-1,4-Dichloro-2-buten	11.81	75	390873m	75.25	ug/l	
81) 4-Chlorotoluene	11.84	91	3244952	69.02	ug/l	94
82) tert-Butylbenzene	12.08	119	3335524	69.98	ug/l	94
83) 1,2,4-Trimethylbenzene	12.15	105	3510586	70.43	ug/l	98
84) sec-Butylbenzene	12.25	105	4591189	70.01	ug/l	98
85) p-Isopropyltoluene	12.40	119	3564680	72.09	ug/l	95
86) 1,3-Dichlorobenzene	12.41	146	2022677	76.33	ug/l	98
87) 1,4-Dichlorobenzene	12.50	146	2012640	76.07	ug/l	96
88) n-Butylbenzene	12.79	91	3662473	69.59	ug/l	95
89) Hexachloroethane	12.86	117	905406	82.88	ug/l	100
90) 1,2-Dichlorobenzene	12.88	146	1945983	80.63	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.57	75	144348	82.68	ug/l	97
92) 1,2,4-Trichlorobenzene	14.13	180	1203854	92.25	ug/l	97
93) Hexachlorobutadiene	14.13	225	881045	87.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	2174279	94.50	ug/l	100
95) 1,2,3-Trichlorobenzene	14.53	180	1034370	98.28	ug/l	99

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

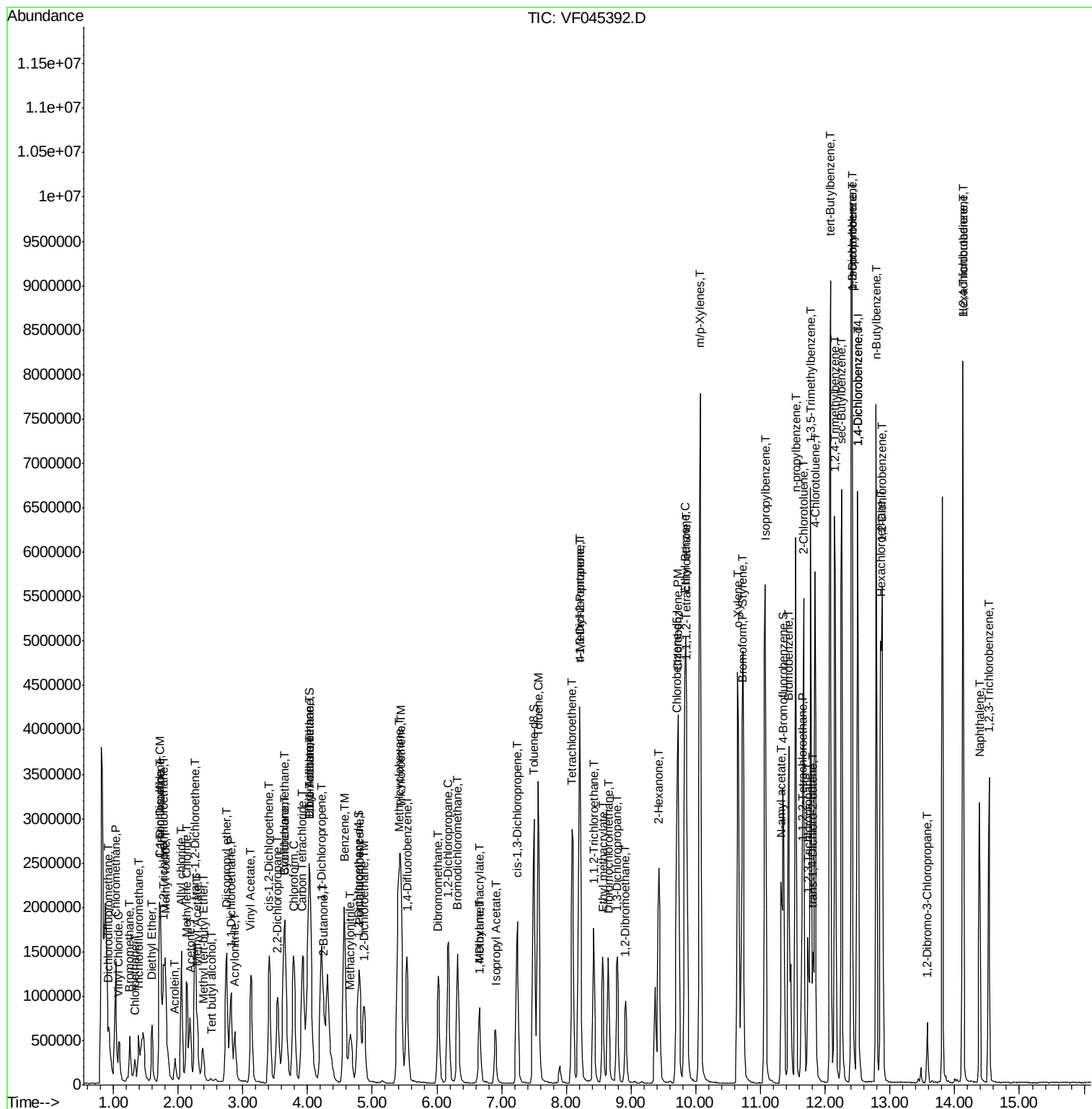
Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
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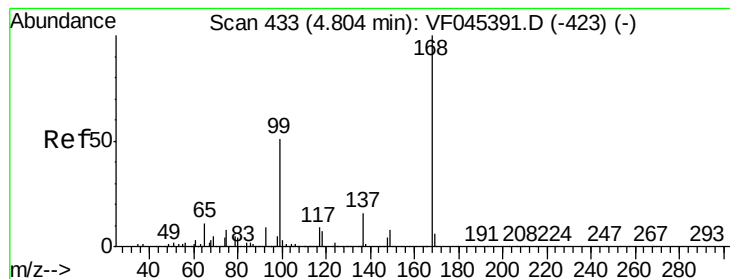
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 1081131

Ion Ratio Lower Upper

168 100

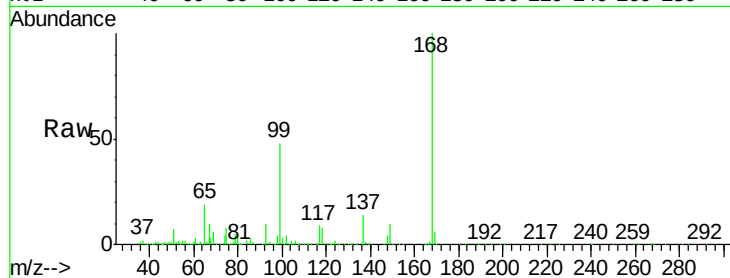
99 47.9 39.0 58.4

Manual Integrations

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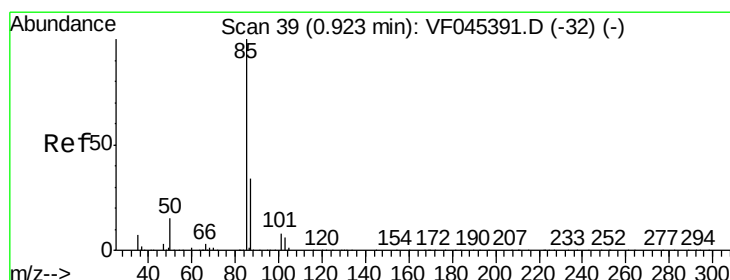
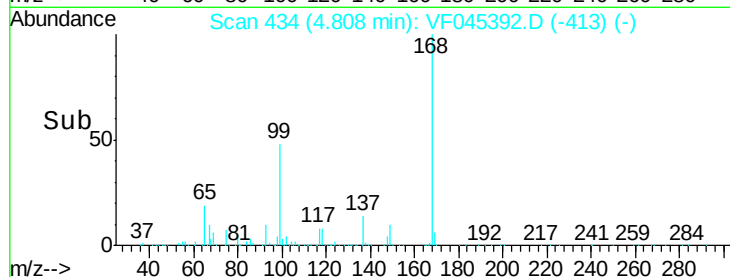
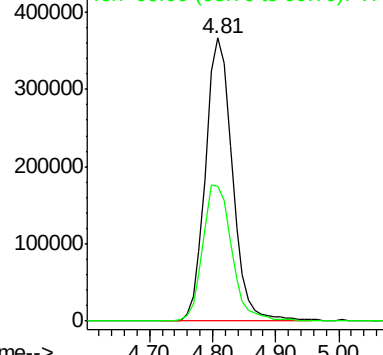
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 79.11 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045392.D

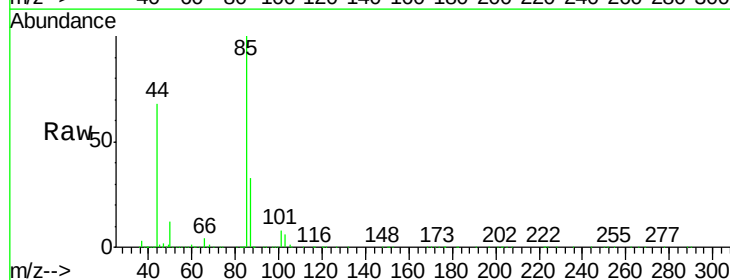
Acq: 16 Sep 2015 15:08

Tgt Ion: 85 Resp: 694214

Ion Ratio Lower Upper

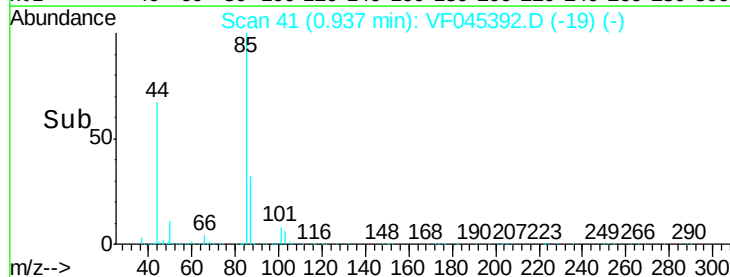
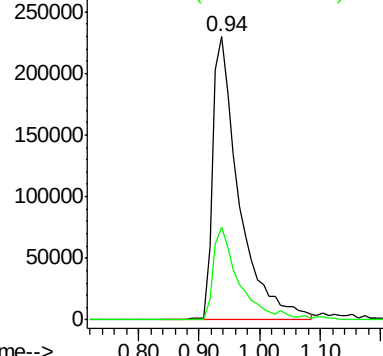
85 100

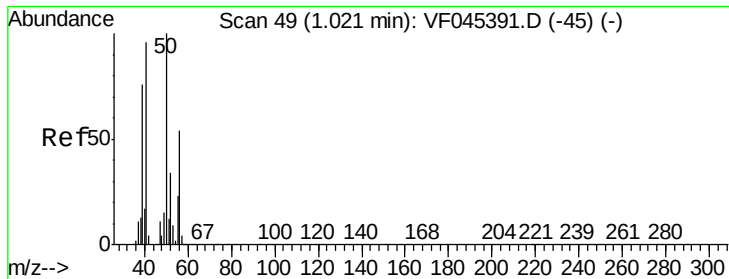
87 32.5 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 60.79 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 586040

Ion Ratio Lower Upper

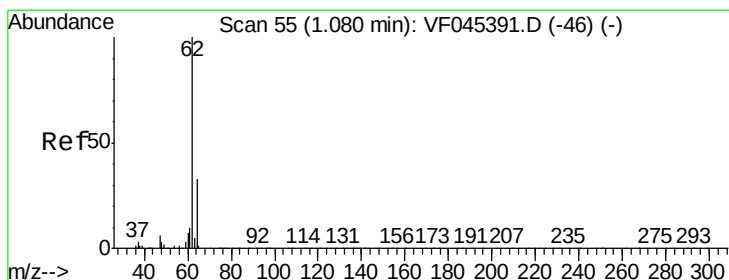
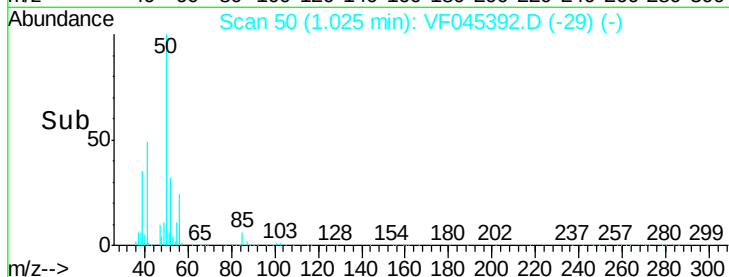
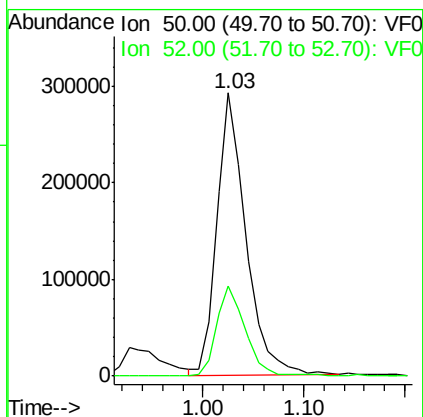
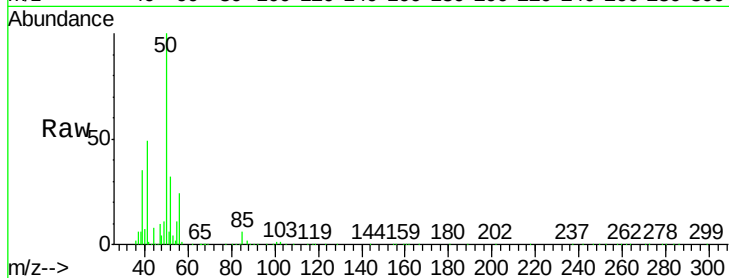
50 100

52 31.8 23.8 35.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 69.33 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF045392.D

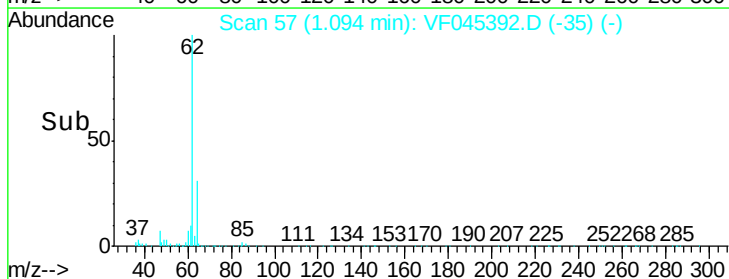
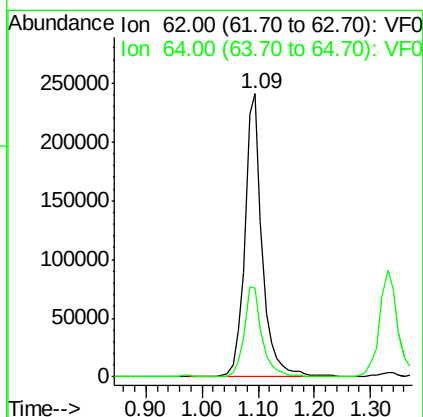
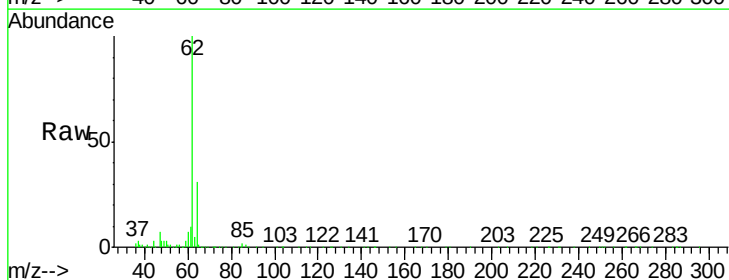
Acq: 16 Sep 2015 15:08

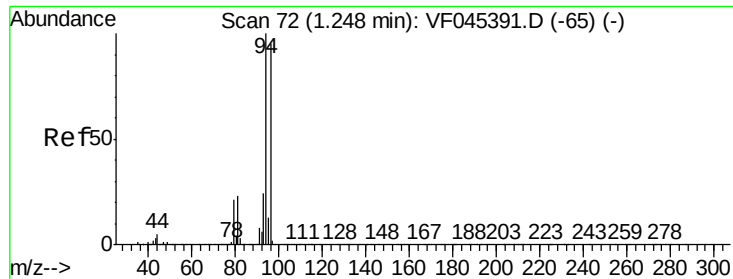
Tgt Ion: 62 Resp: 515564

Ion Ratio Lower Upper

62 100

64 31.5 26.6 39.8





#5

Bromomethane

Concen: 86.69 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tot Ion: 94 Resp: 314657

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.4

Instrument :

MSVOA_F

ClientSampleId :

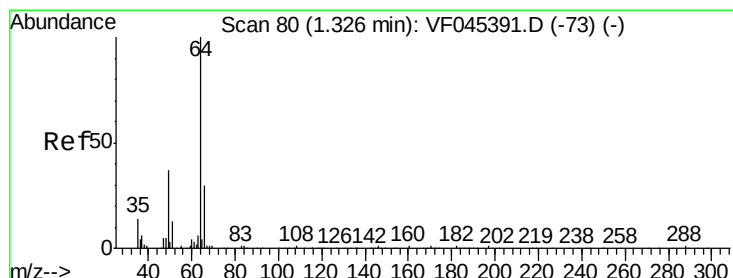
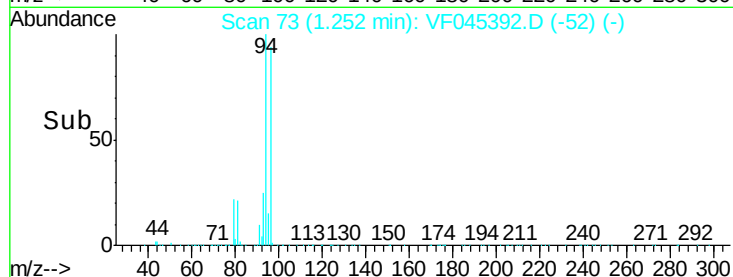
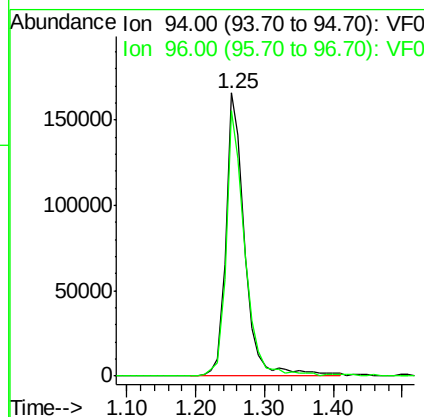
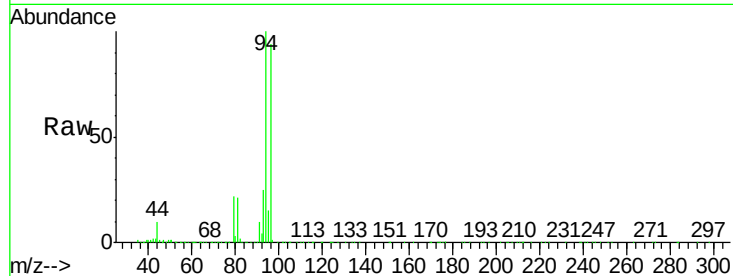
VSTDIC075

Manual Integrations

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#6

Chloroethane

Concen: 85.10 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF045392.D

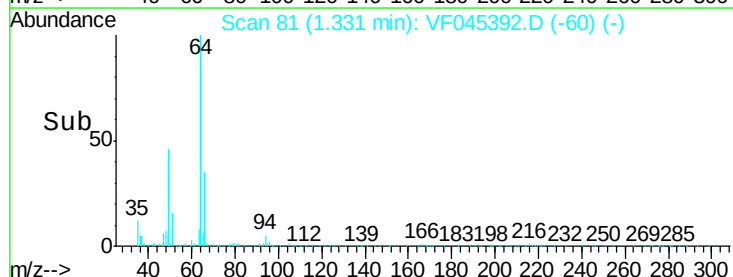
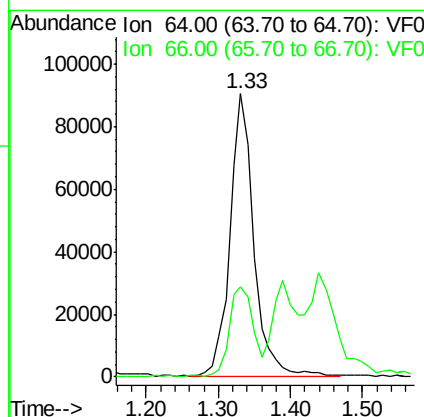
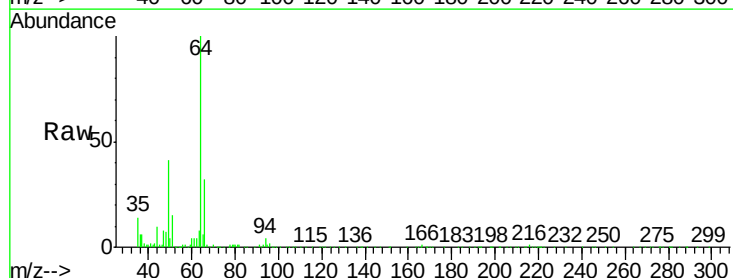
Acq: 16 Sep 2015 15:08

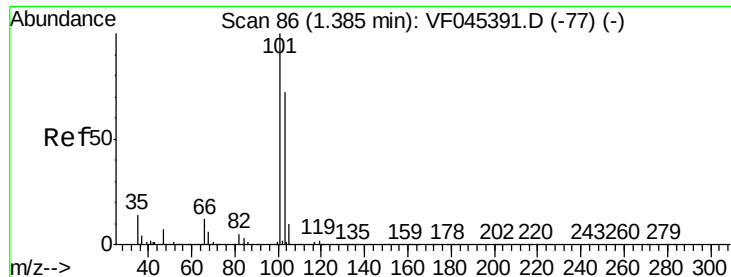
Tgt Ion: 64 Resp: 210094

Ion Ratio Lower Upper

64 100

66 31.8 27.3 40.9





#7

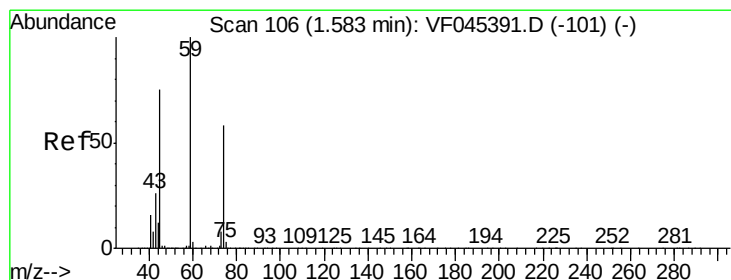
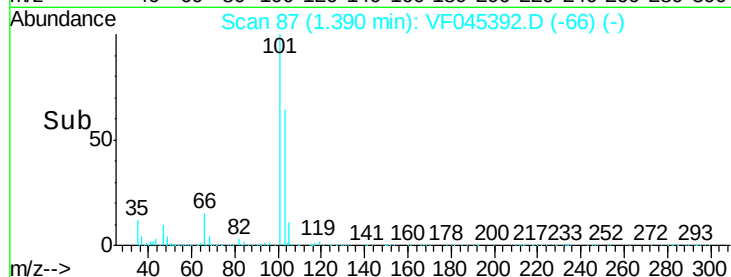
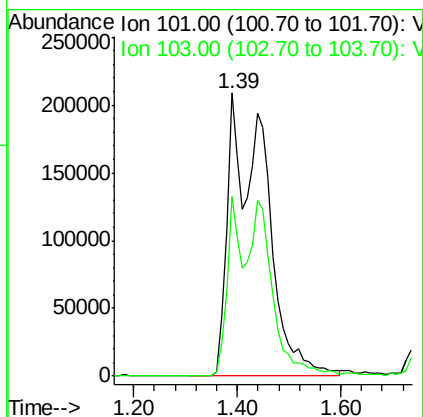
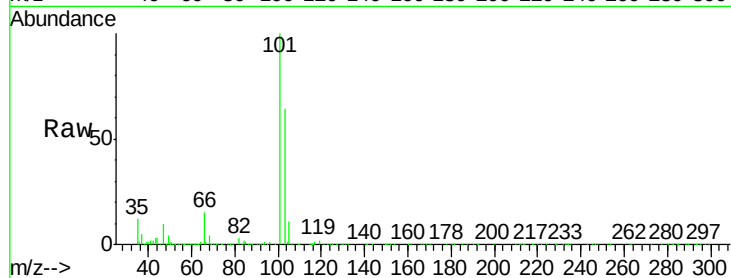
Trichlorofluoromethane
Concen: 85.84 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.6	50.8	76.2	

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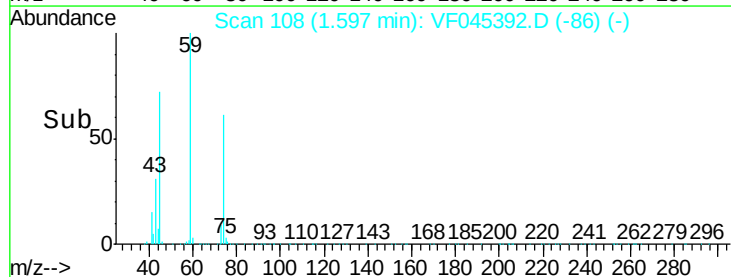
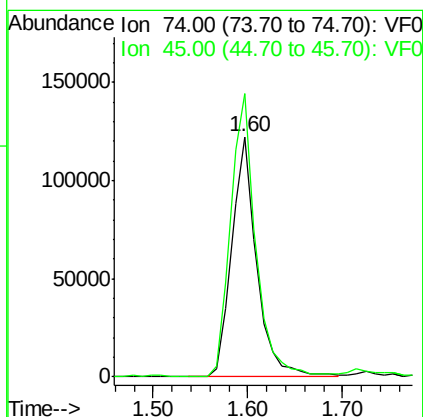
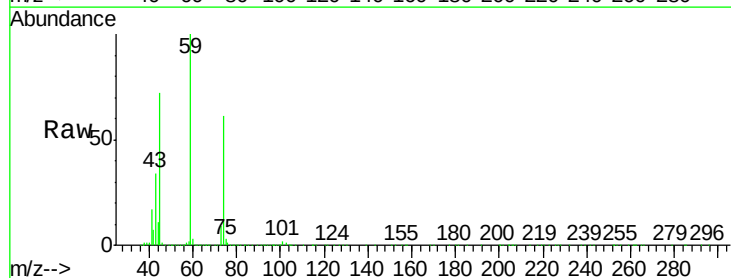
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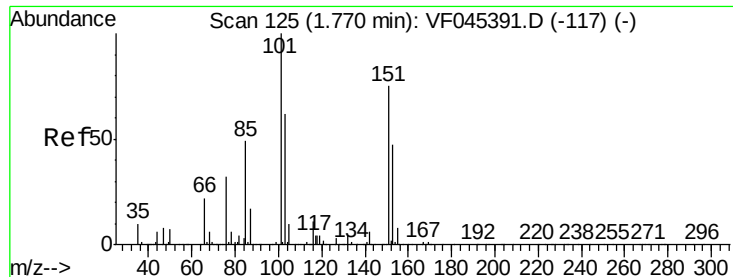


#8

Diethyl Ether
Concen: 73.17 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	118.0	60.9	182.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 76.41 ug/l

RT: 1.77 min Scan# 126

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

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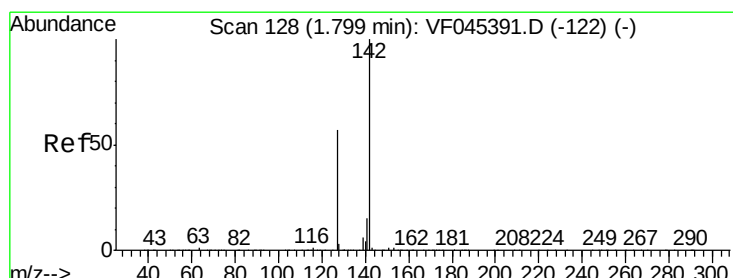
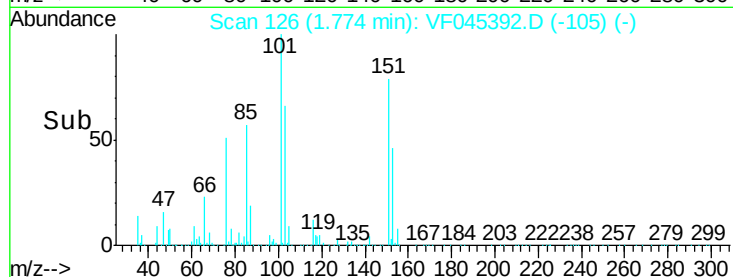
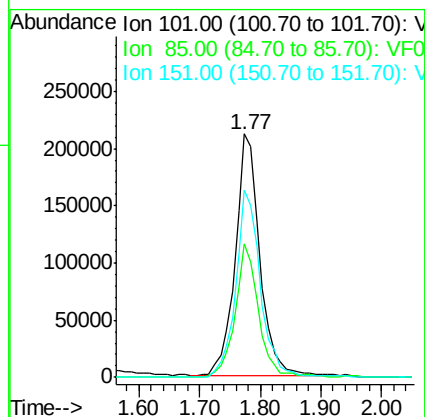
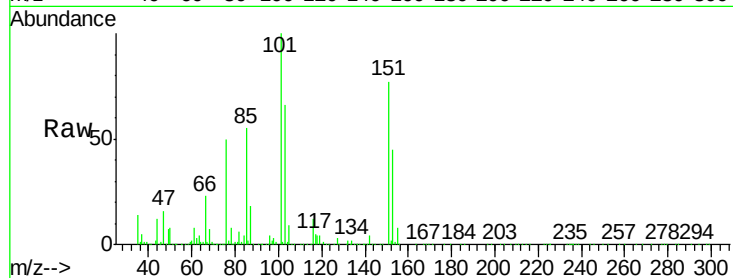
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	592535
Ion Ratio	Lower	Upper	
101	100		
85	55.0	40.0	60.0
151	77.0	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 82.50 ug/l

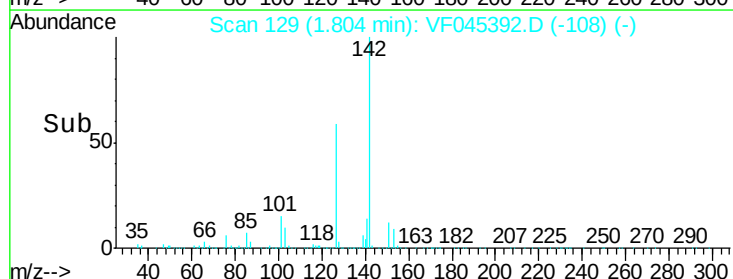
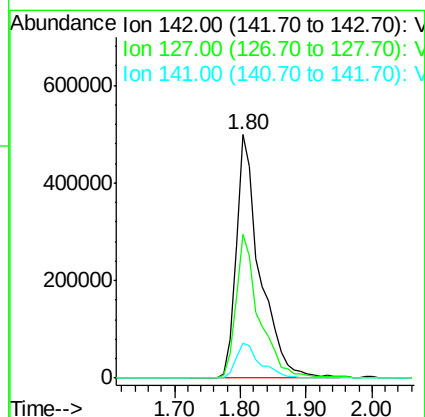
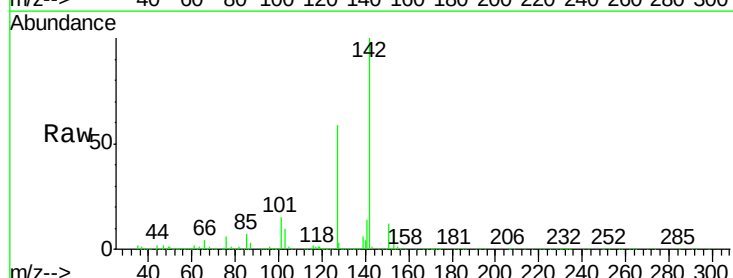
RT: 1.80 min Scan# 129

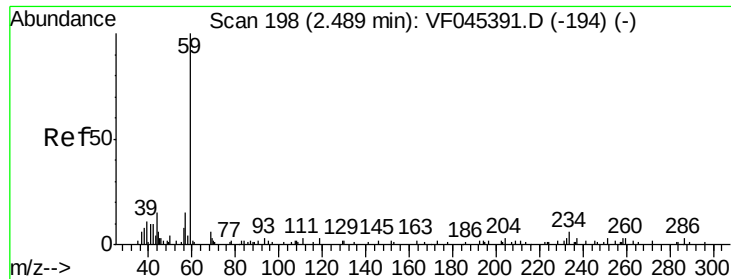
Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion:	142	Resp:	1255742
Ion Ratio	Lower	Upper	
142	100		
127	59.2	43.3	64.9
141	14.4	12.1	18.1





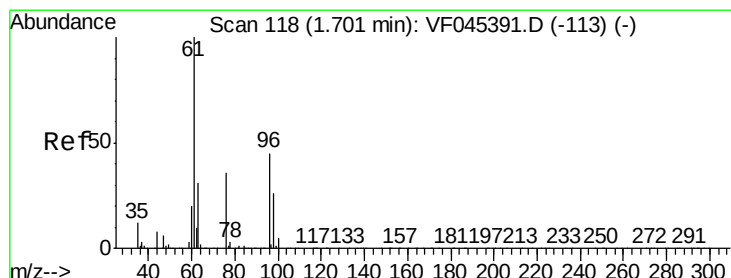
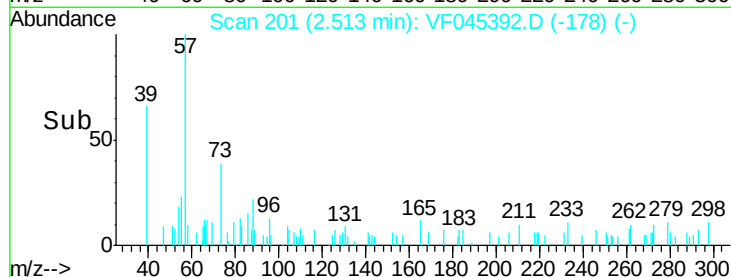
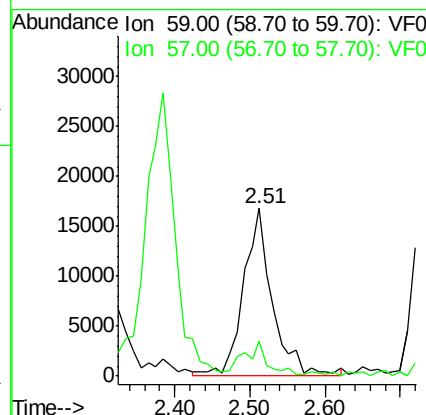
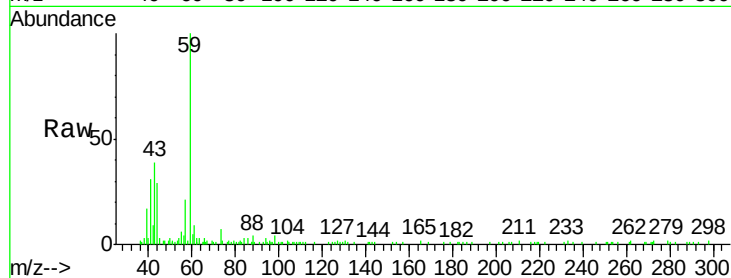
#11
Tert butyl alcohol
Concen: 352.32 ug/l m
RT: 2.51 min Scan# 201
Delta R.T. 0.02 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 45572
Ion Ratio Lower Upper
59 100
57 21.2 8.6 13.0#

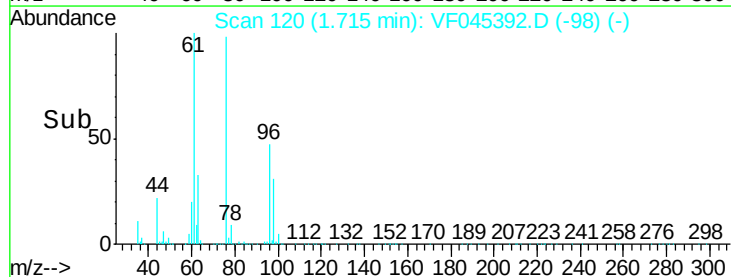
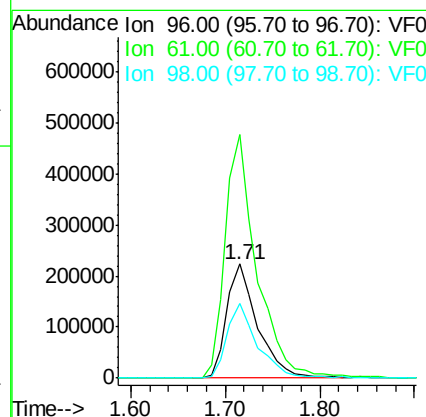
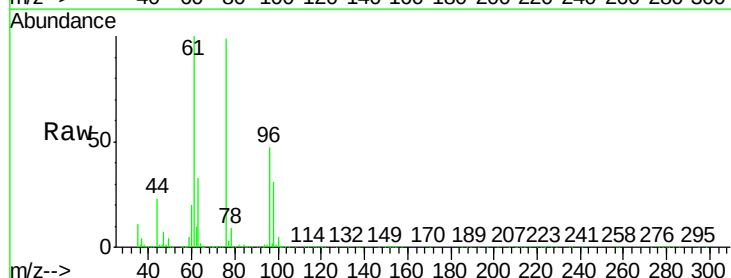
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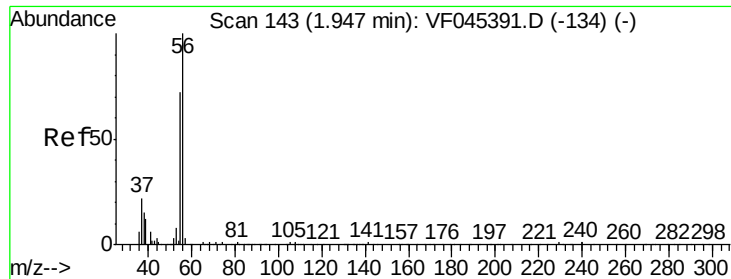
MMDadoda
9/17/2015 12:50:55 PM



#12
1,1-Dichloroethene
Concen: 77.75 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion: 96 Resp: 503652
Ion Ratio Lower Upper
96 100
61 213.4 165.8 248.8
98 65.2 51.2 76.8





#13

Acrolein

Concen: 310.56 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 209736

Ion Ratio Lower Upper

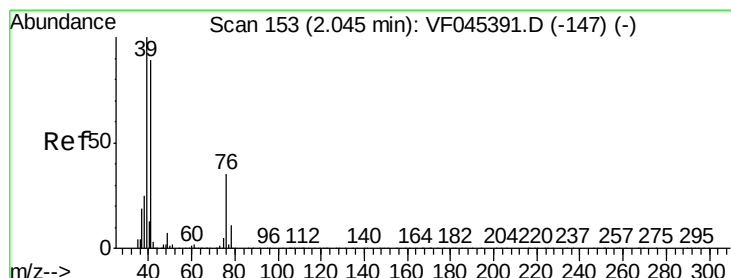
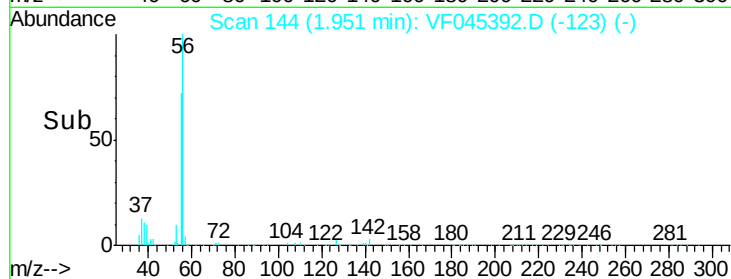
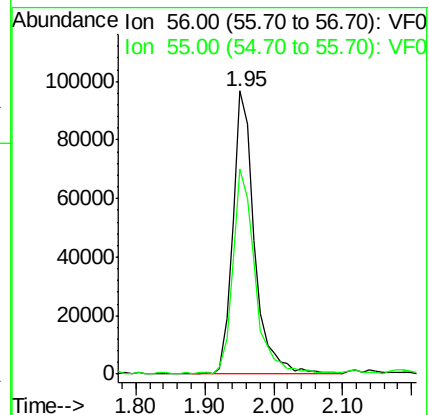
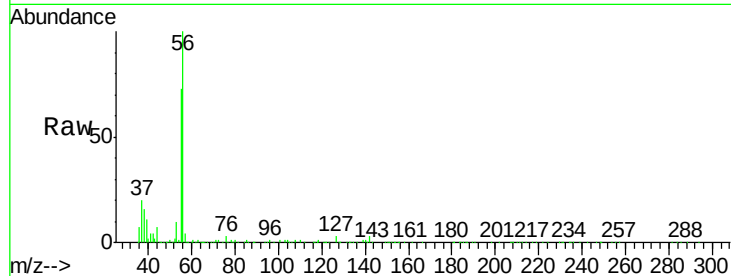
56 100

55 72.5 60.5 90.7

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#14

Allyl chloride

Concen: 68.23 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

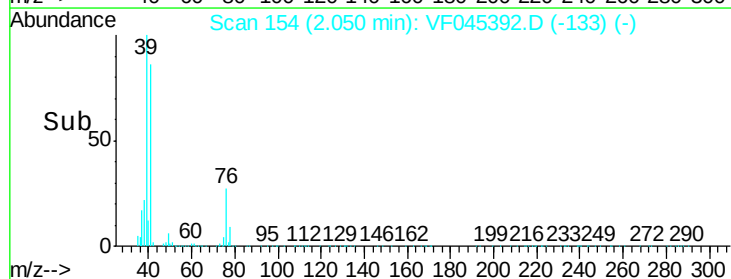
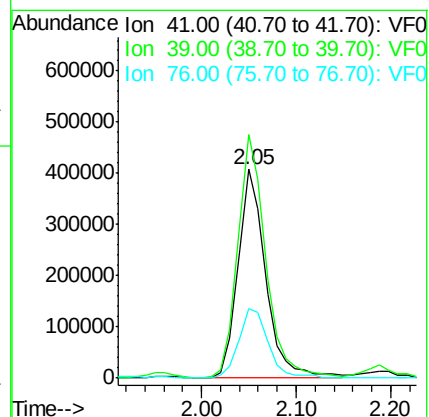
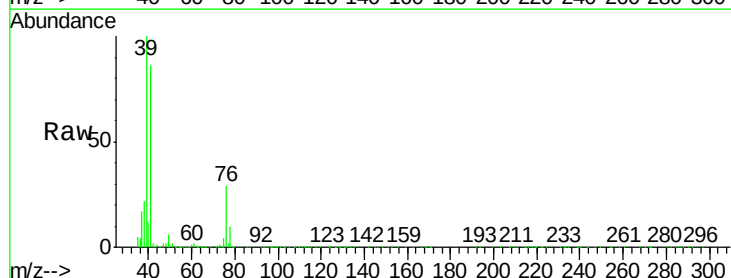
Tgt Ion: 41 Resp: 824873

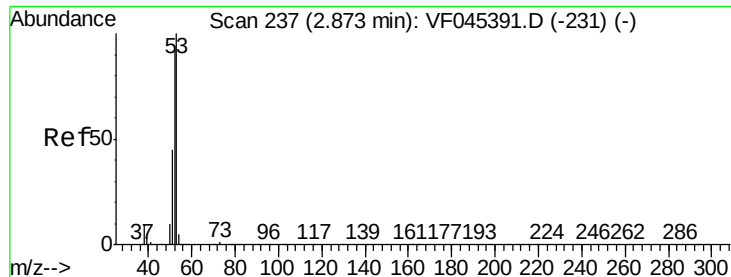
Ion Ratio Lower Upper

41 100

39 116.8 92.8 139.2

76 33.7 27.7 41.5





#15

Acrylonitrile

Concen: 293.61 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

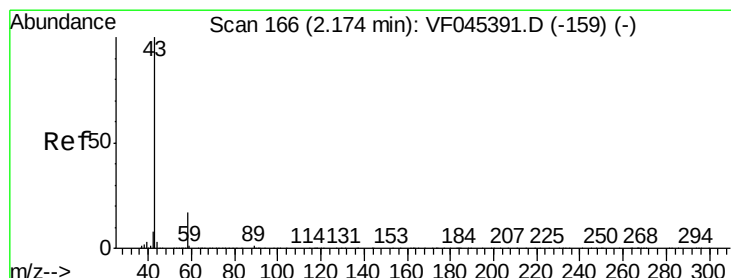
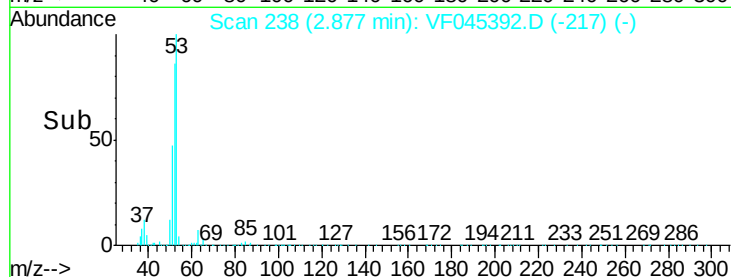
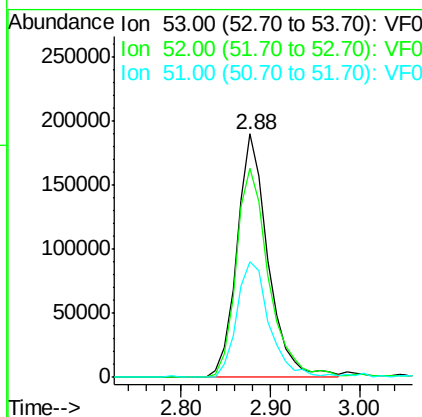
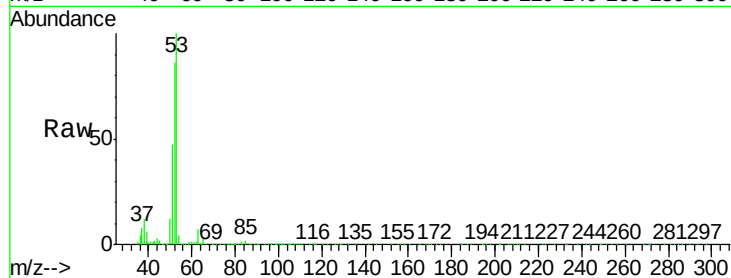
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	460578
Ion	Ratio	Lower	Upper
53	100		
52	85.8	72.7	109.1
51	47.5	42.2	63.2

Manual Integrations
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#16

Acetone

Concen: 381.76 ug/l

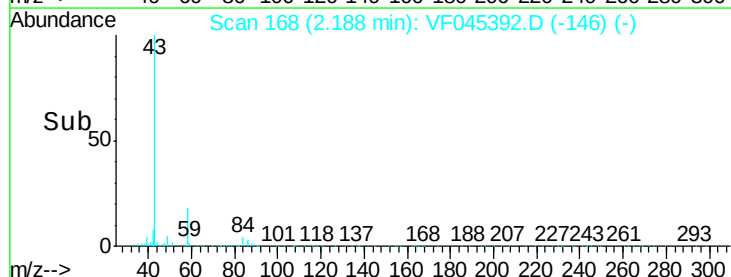
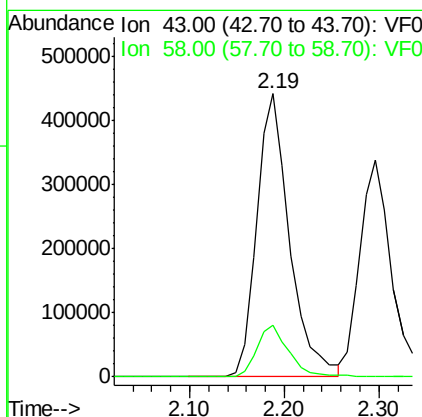
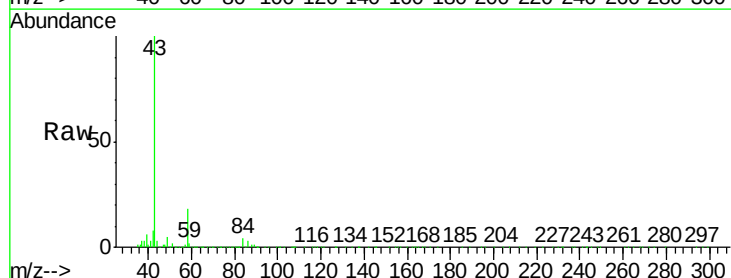
RT: 2.19 min Scan# 168

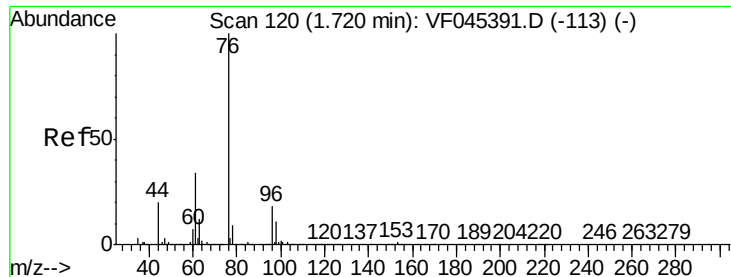
Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion:	43	Resp:	1065456
Ion	Ratio	Lower	Upper
43	100		
58	18.1	13.9	20.9





#17

Carbon Disulfide

Concen: 80.12 ug/l

RT: 1.72 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 1722393

Ion Ratio Lower Upper

76 100

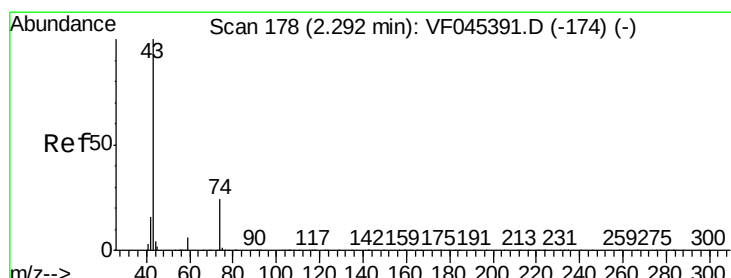
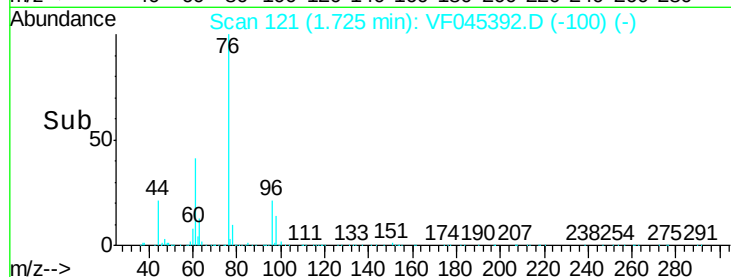
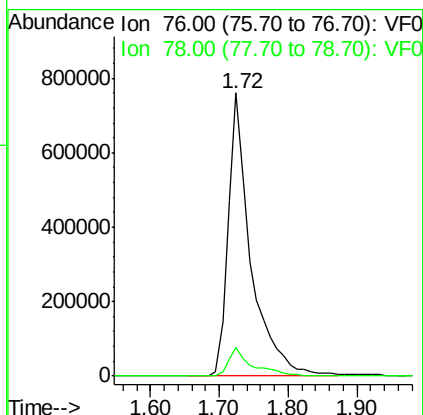
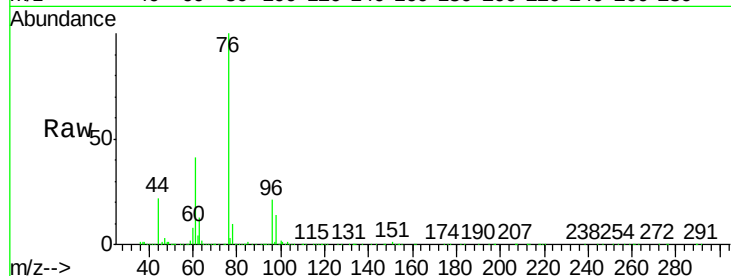
78 9.9 7.6 11.4

Manual Integrations

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#18

Methyl Acetate

Concen: 60.24 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF045392.D

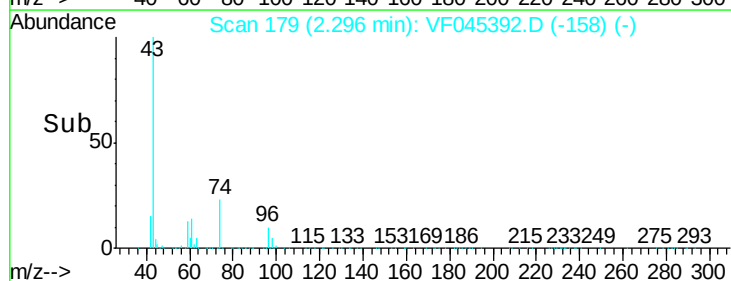
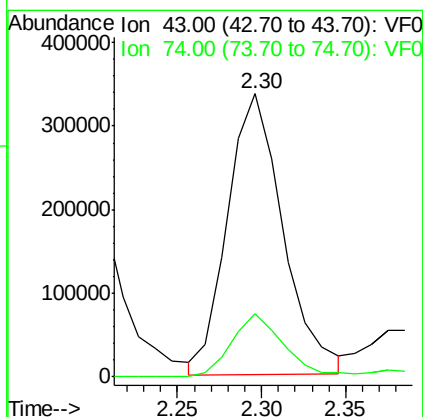
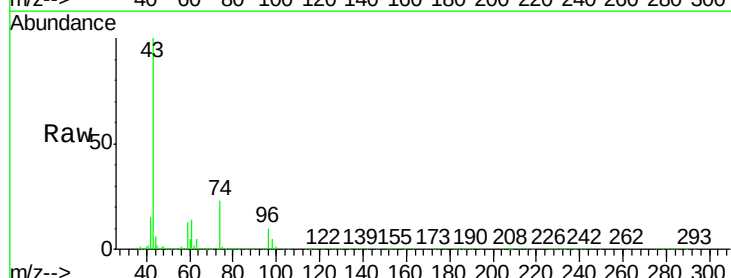
Acq: 16 Sep 2015 15:08

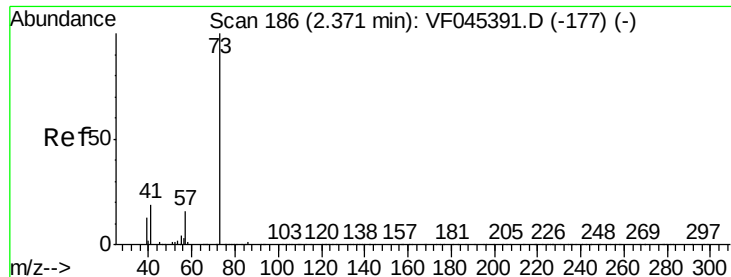
Tgt Ion: 43 Resp: 771401

Ion Ratio Lower Upper

43 100

74 22.5 15.1 22.7





#19

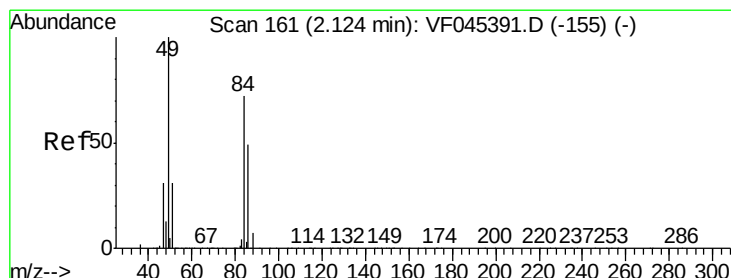
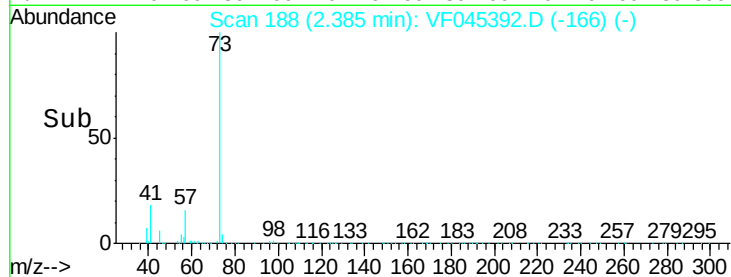
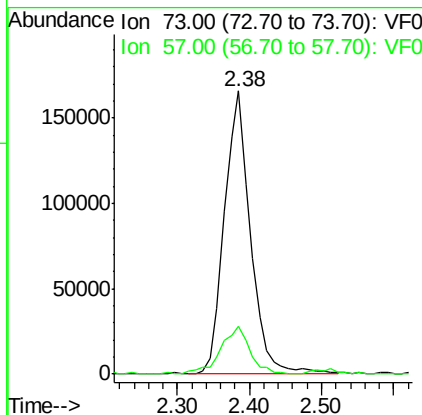
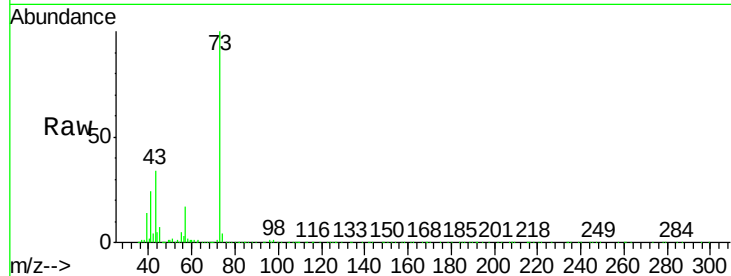
Methyl tert-butyl Ether
 Concen: 81.95 ug/l
 RT: 2.38 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.1	12.9	19.3

Manual Integrations
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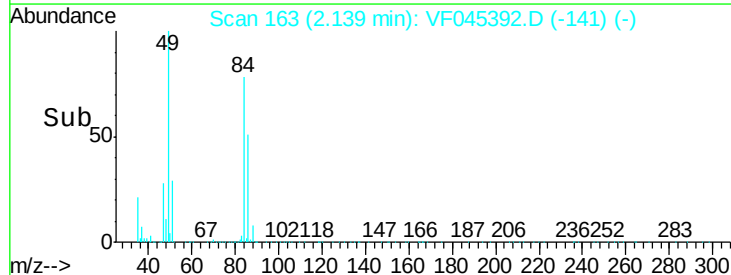
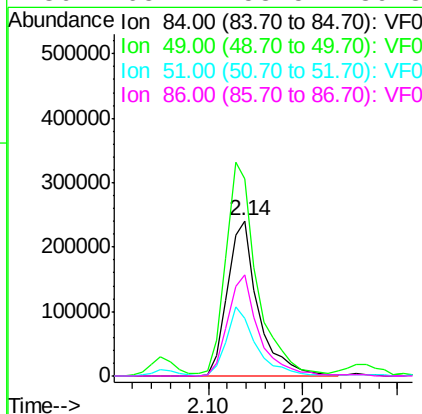
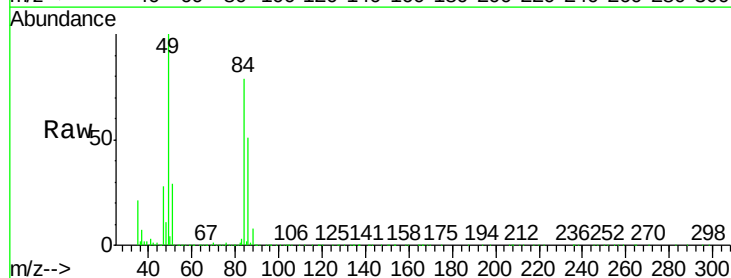
MMDadoda
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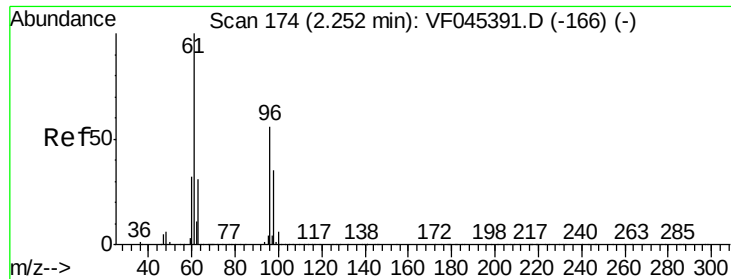


#20

Methylene Chloride
 Concen: 74.34 ug/l
 RT: 2.14 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	122.8	184.2
51	37.4	35.4	53.2
86	65.2	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 76.98 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

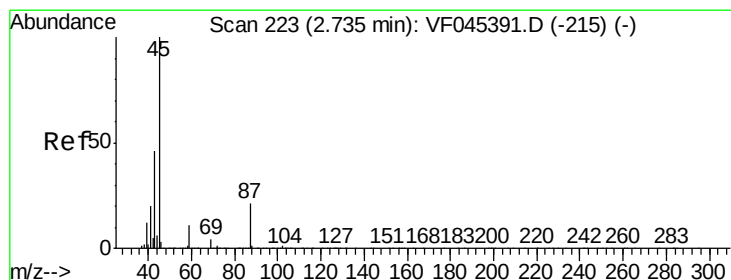
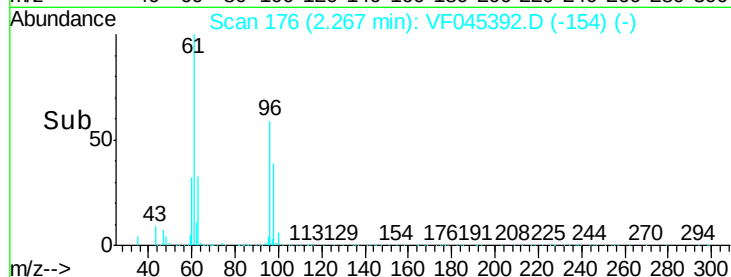
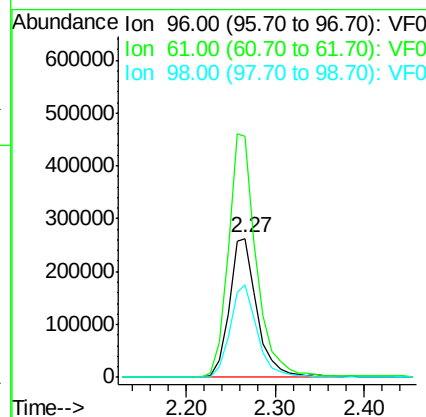
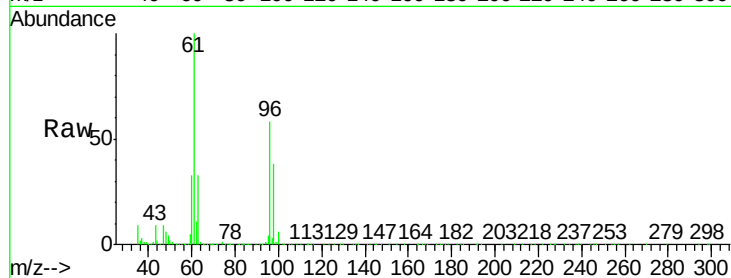
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	577597
Ion Ratio	Lower	Upper	
96	100		
61	173.2	136.8	205.2
98	66.2	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 63.23 ug/l

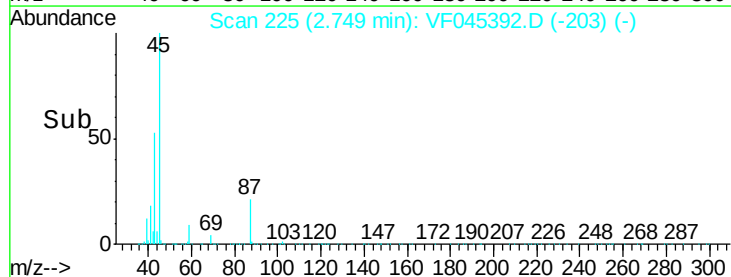
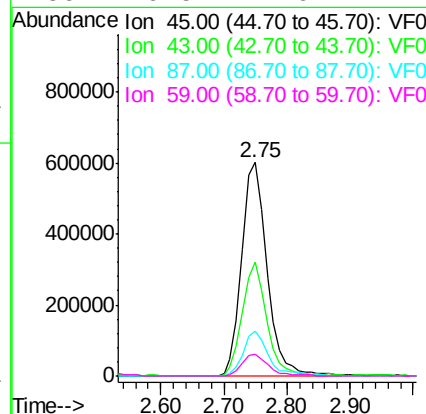
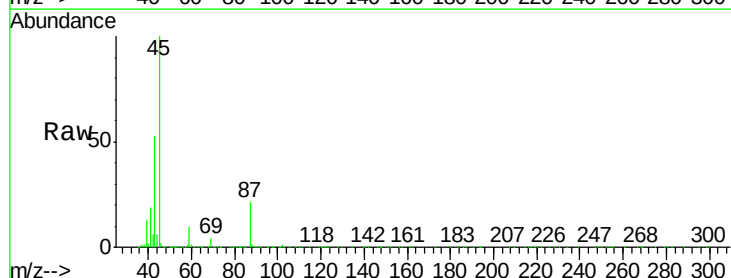
RT: 2.75 min Scan# 225

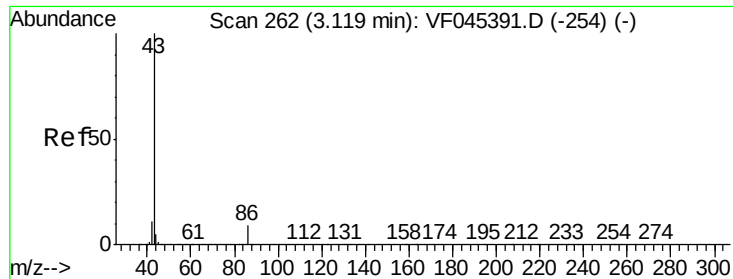
Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion:	45	Resp:	1672065
Ion Ratio	Lower	Upper	
45	100		
43	53.1	42.2	63.4
87	21.0	16.6	25.0
59	10.5	7.6	11.4





#23

Vinyl Acetate

Concen: 304.28 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tot Ion: 43 Resp: 2455618

Ion Ratio Lower Upper

43 100

86 8.4 6.3 9.5

Instrument :

MSVOA_F

ClientSampleId :

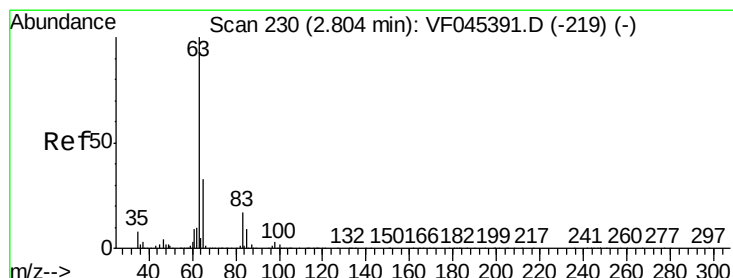
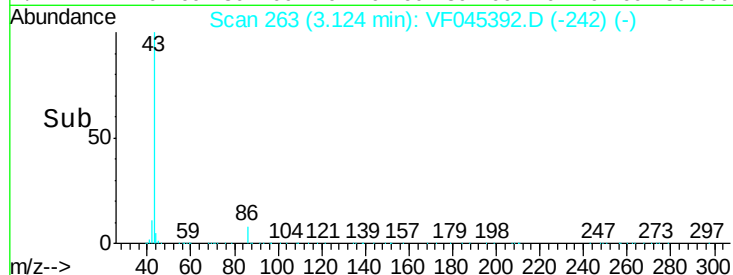
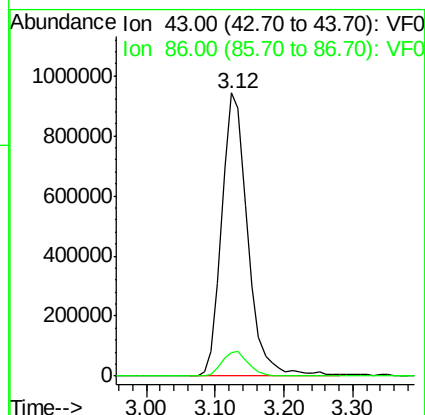
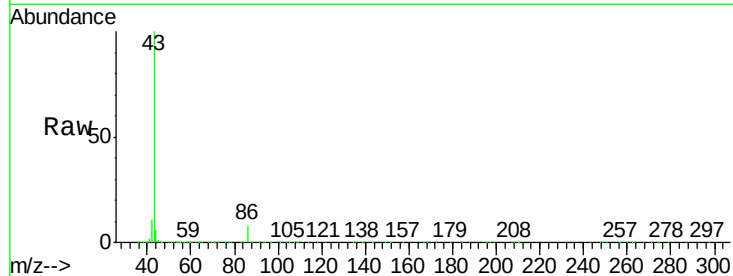
VSTDIC075

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 74.33 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

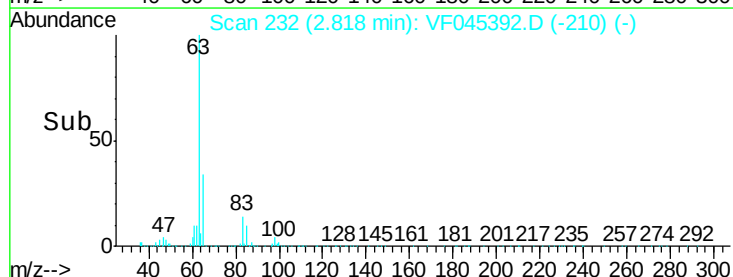
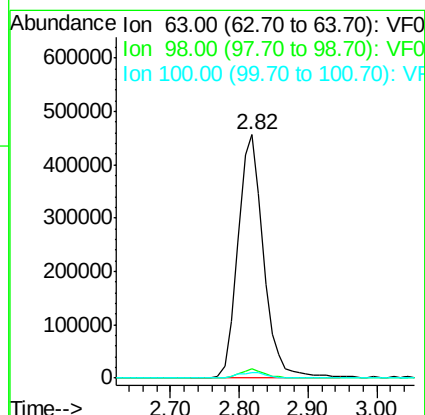
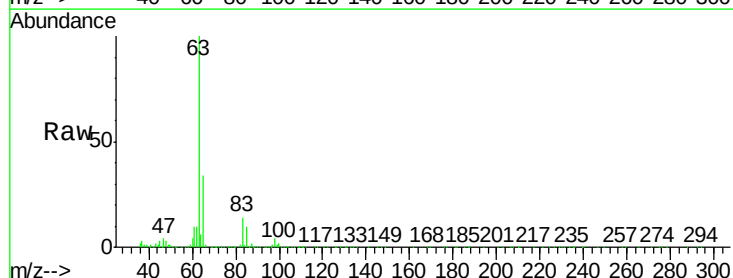
Tgt Ion: 63 Resp: 1170803

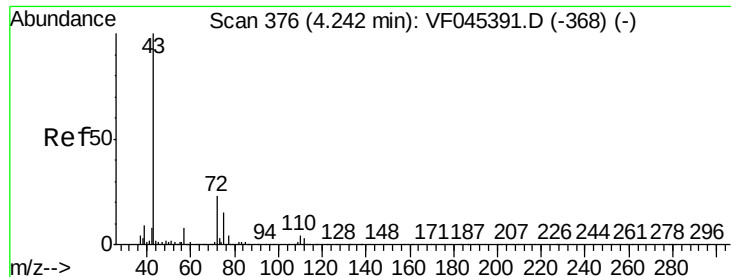
Ion Ratio Lower Upper

63 100

98 4.0 2.2 6.6

100 2.5 1.1 3.5





#25

2-Butanone

Concen: 283.84 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tot Ion: 43 Resp: 1358561

Ion Ratio Lower Upper

43 100

72 23.3 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

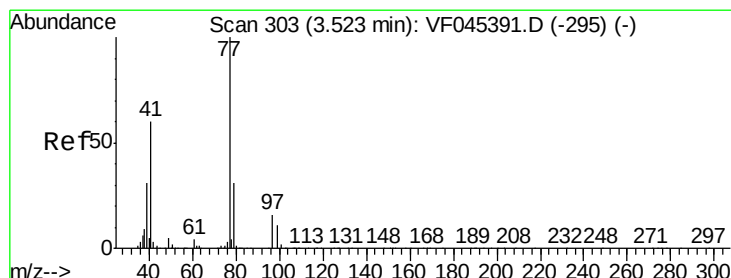
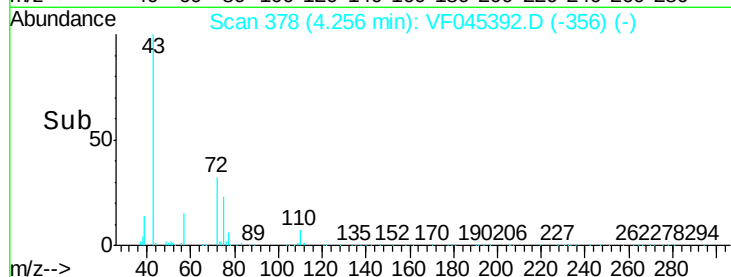
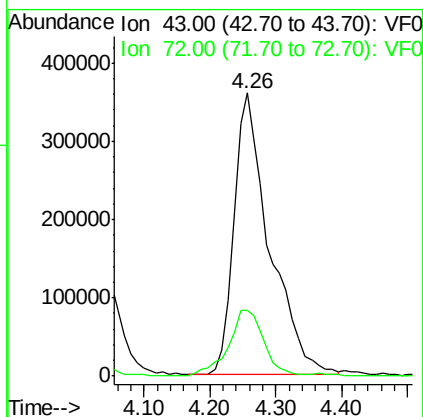
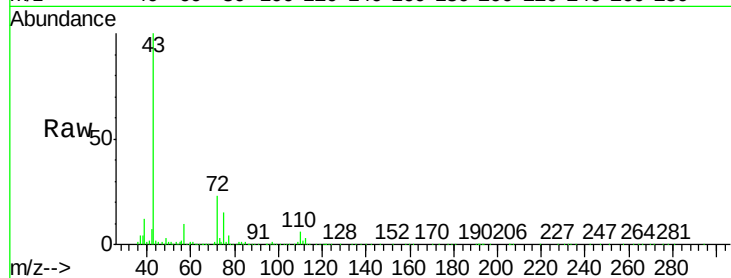
VSTDIC075

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 74.53 ug/l

RT: 3.54 min Scan# 305

Delta R.T. 0.01 min

Lab File: VF045392.D

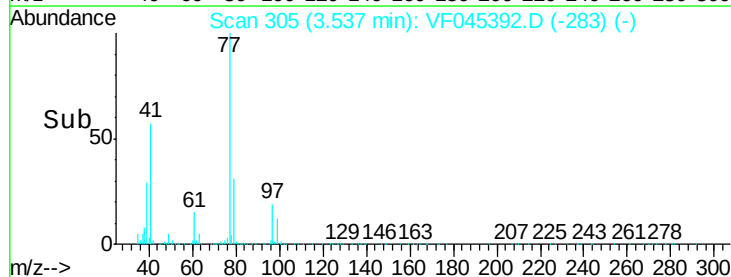
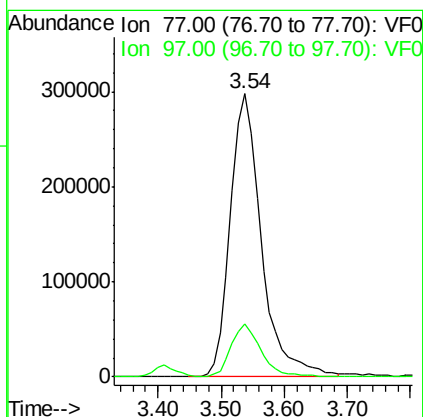
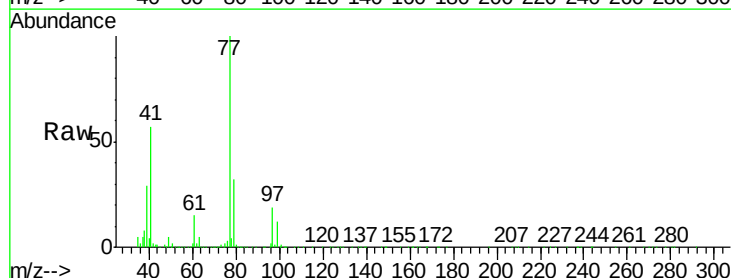
Acq: 16 Sep 2015 15:08

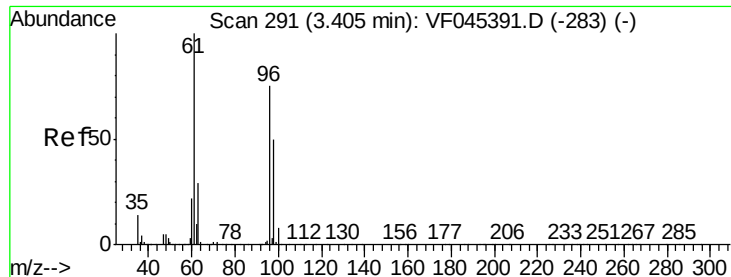
Tgt Ion: 77 Resp: 1020454

Ion Ratio Lower Upper

77 100

97 18.6 9.2 27.4





#27

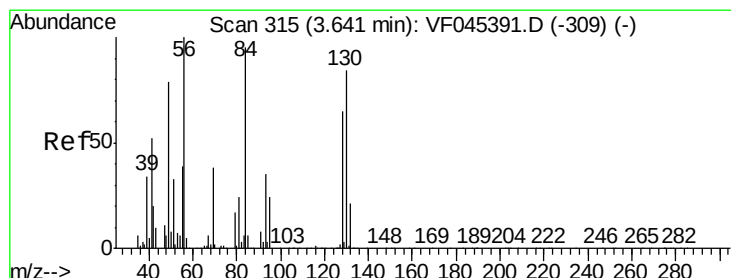
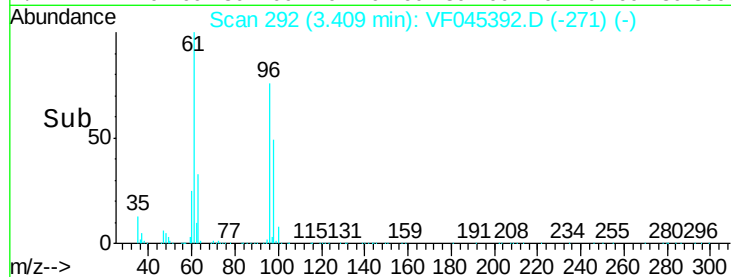
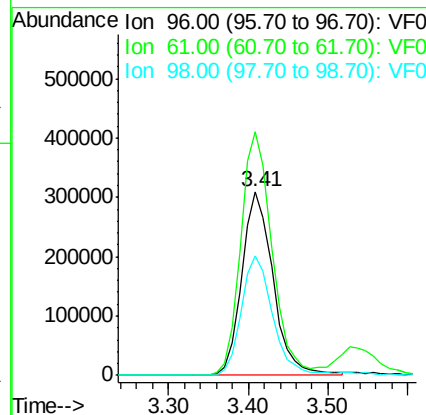
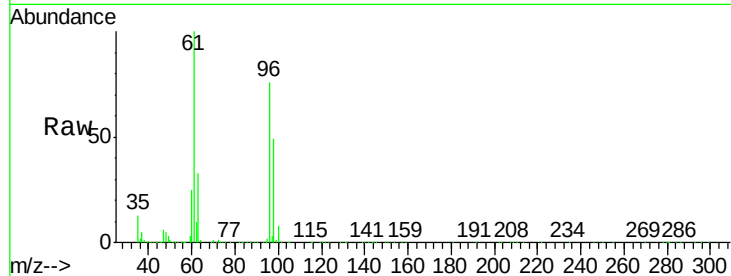
cis-1,2-Dichloroethene
Concen: 70.83 ug/l
RT: 3.41 min Scan# 292
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	839865		
61	132.3	0.0	268.6	
98	65.0	0.0	135.8	

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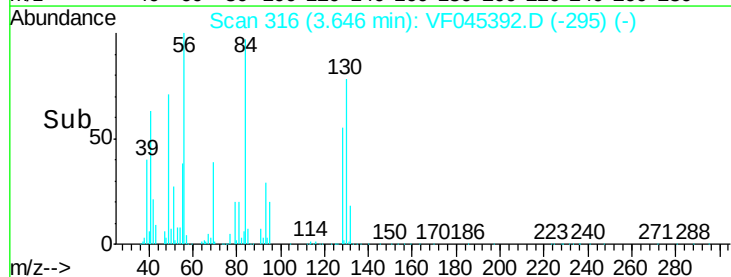
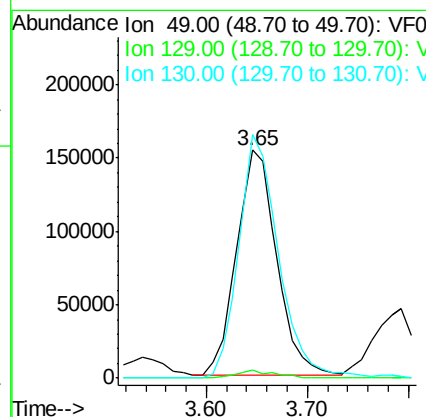
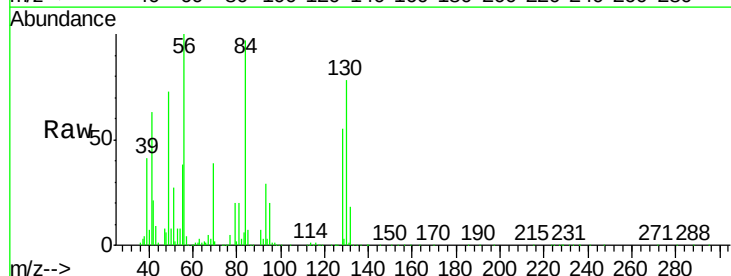
MMDadoda
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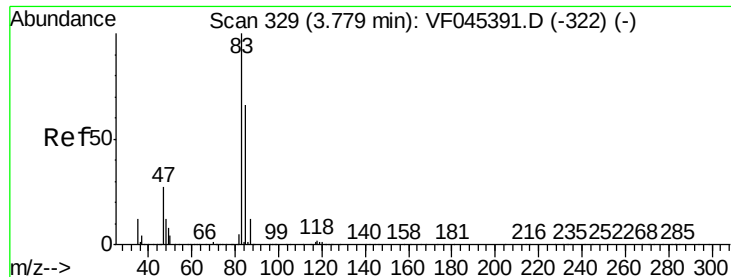


#28

Bromochloromethane
Concen: 51.76 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	426700		
129	3.5	0.0	0.0#	
130	106.8	79.6	119.4	





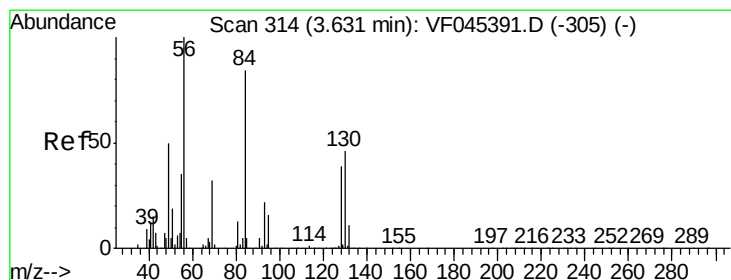
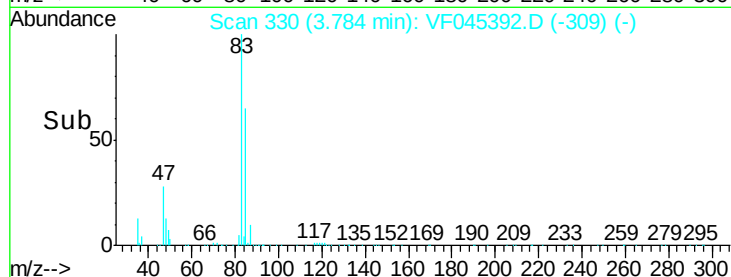
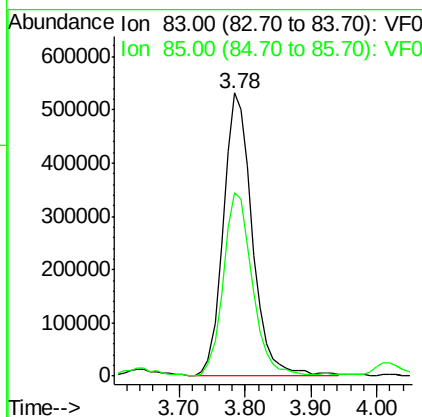
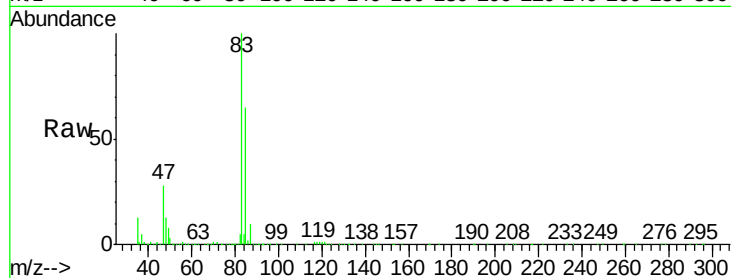
#29
Chloroform
Concen: 77.33 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 1614643
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4

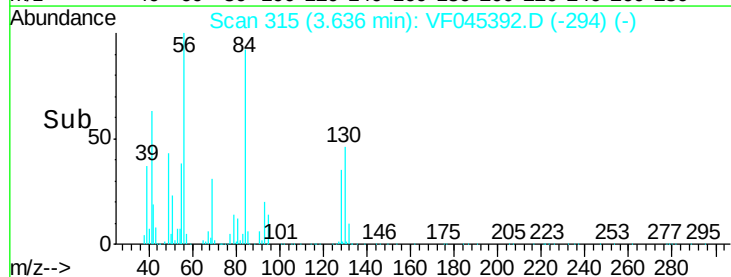
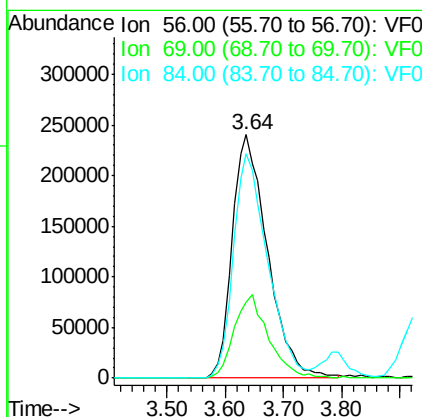
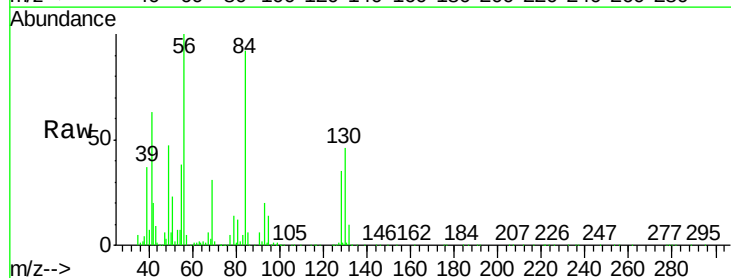
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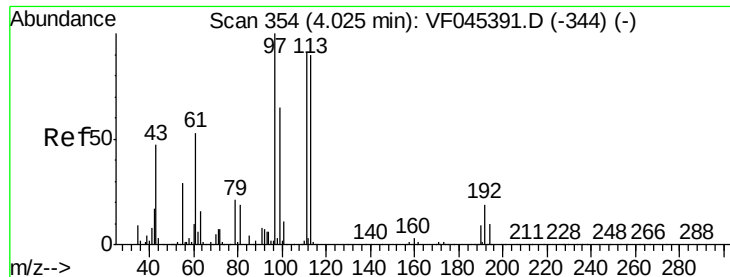
MMDadoda
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#30
Cyclohexane
Concen: 61.52 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion: 56 Resp: 1012725
Ion Ratio Lower Upper
56 100
69 31.1 26.1 39.1
84 92.4 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 81.24 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 1314885

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

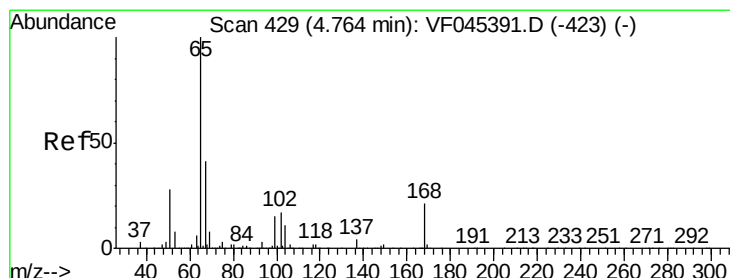
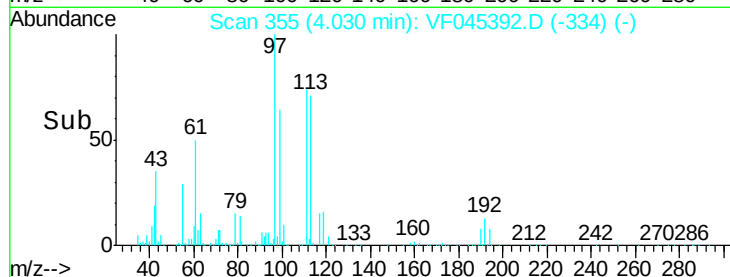
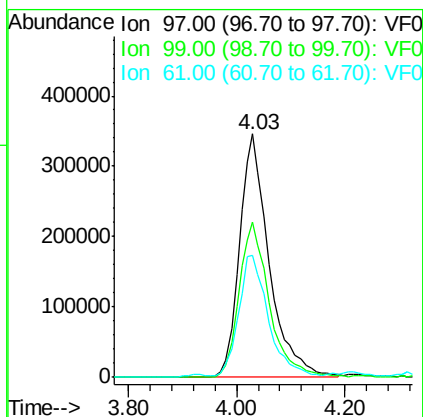
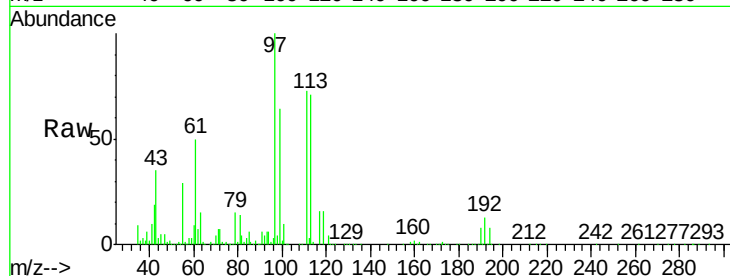
61 49.9 37.8 56.6

Manual Integrations

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9/17/2015 12:50:55 PM



#32

1,2-Dichloroethane-d4

Concen: 72.87 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF045392.D

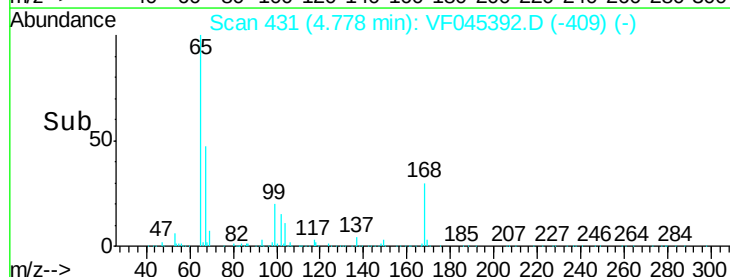
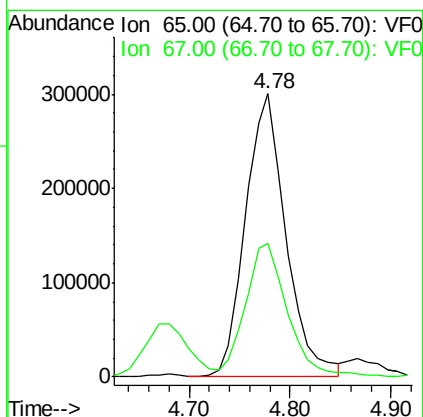
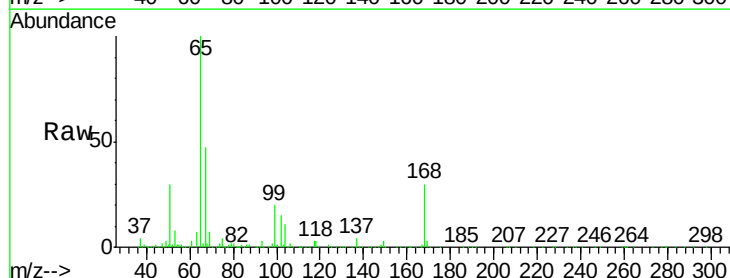
Acq: 16 Sep 2015 15:08

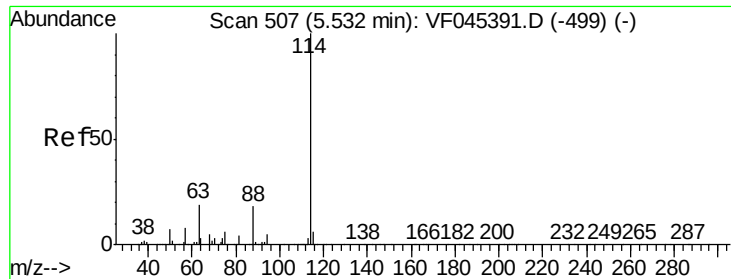
Tgt Ion: 65 Resp: 831981

Ion Ratio Lower Upper

65 100

67 47.0 0.0 102.2





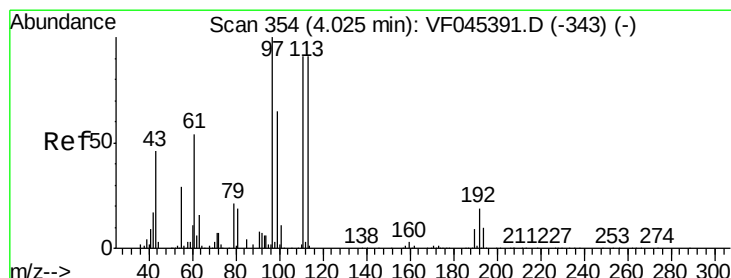
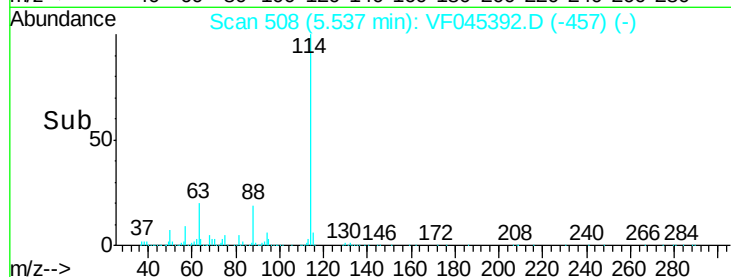
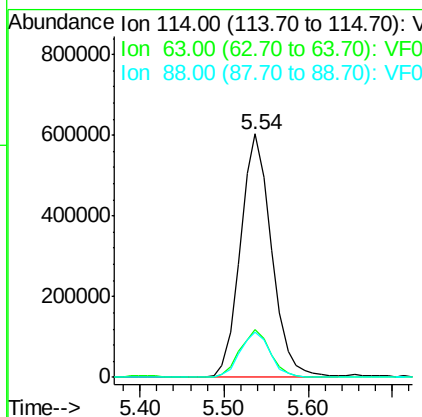
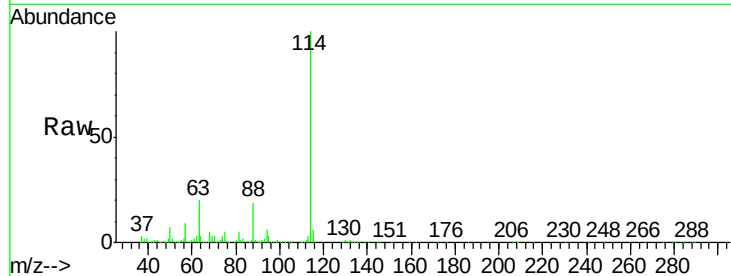
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.2
88	18.6	0.0	37.0

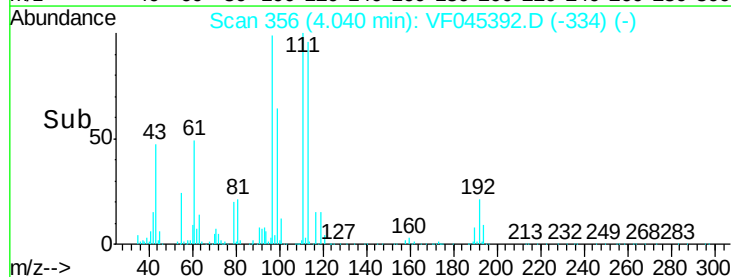
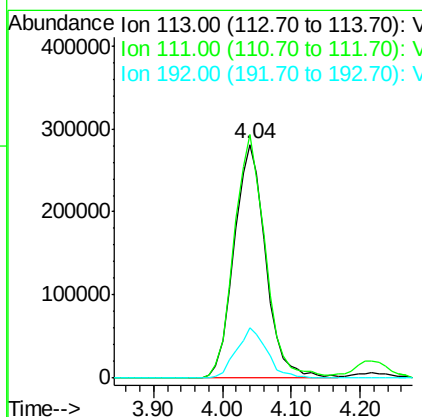
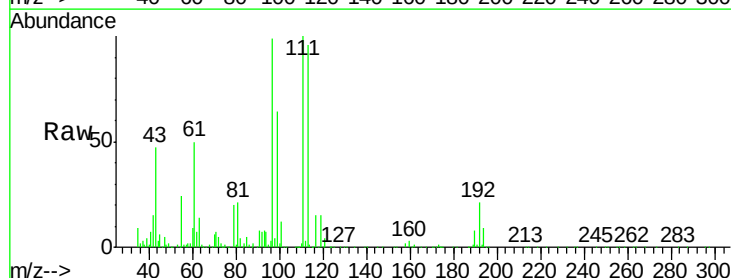
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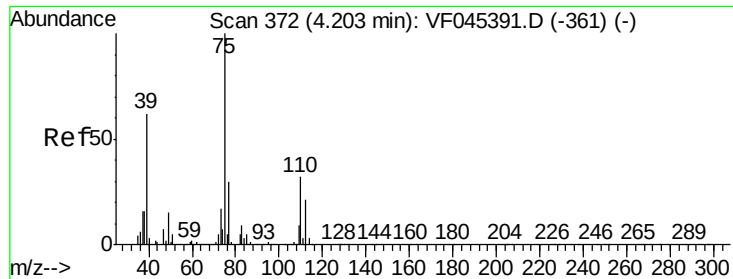
MMDadoda
 9/17/2015 12:50:55 PM



#34
 Dibromofluoromethane
 Concen: 74.28 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	75.5	113.3
192	21.8	15.6	23.4





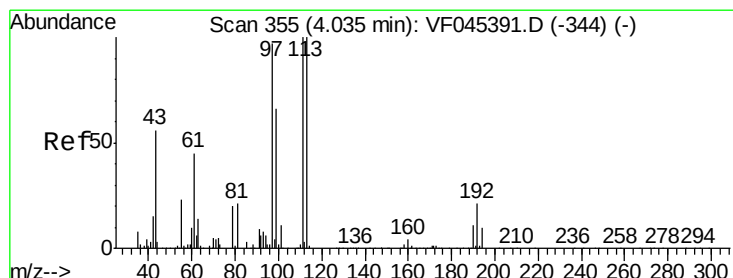
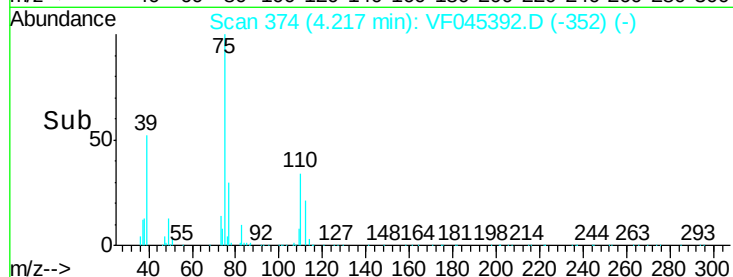
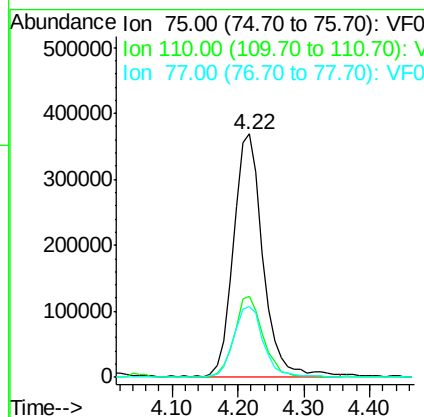
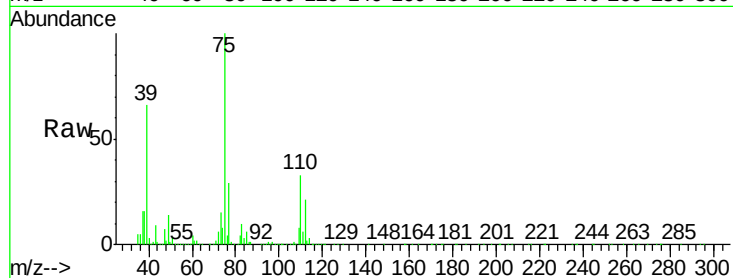
#35
 1,1-Dichloropropene
 Concen: 77.01 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	15.9	47.6
77	29.1	24.2	36.4

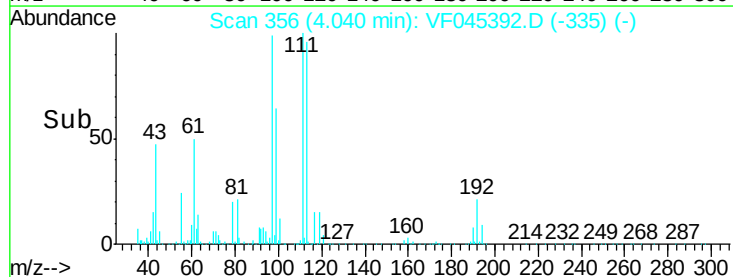
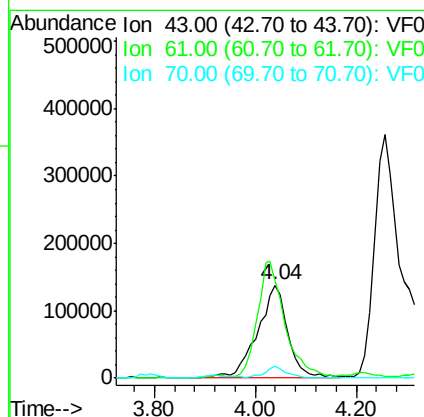
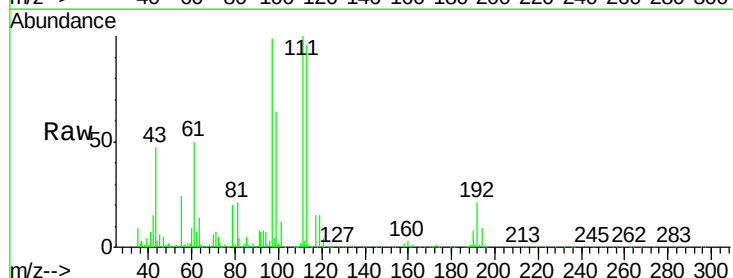
Manual Integrations
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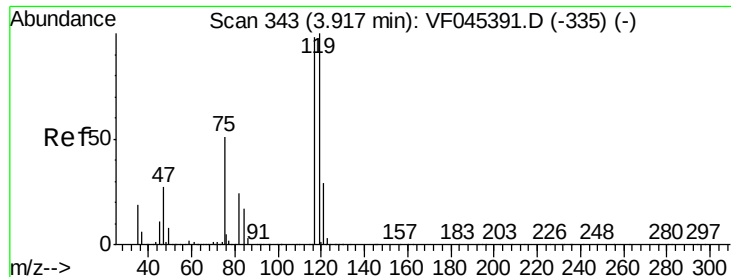
MMDadoda
 9/17/2015 12:50:55 PM



#36
 Ethyl Acetate
 Concen: 62.90 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	105.3	49.4	74.0#
70	12.2	10.8	16.2





#37

Carbon Tetrachloride

Concen: 97.62 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:117 Resp: 1249399

Ion Ratio Lower Upper

117 100

119 96.9 77.8 116.8

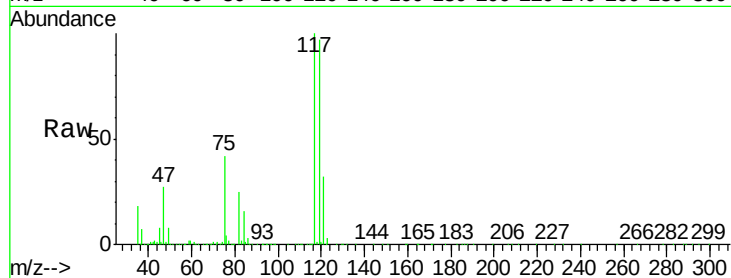
121 31.7 25.4 38.0

Manual Integrations

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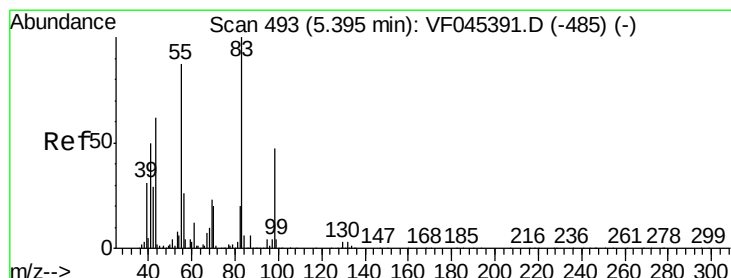
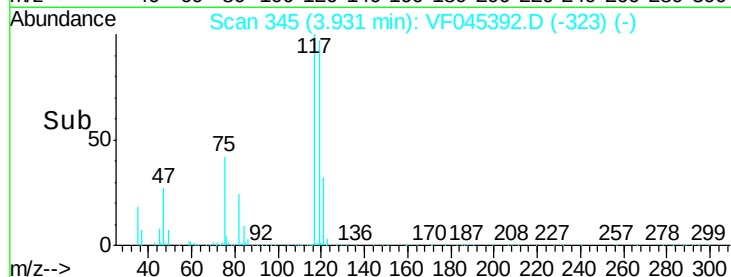
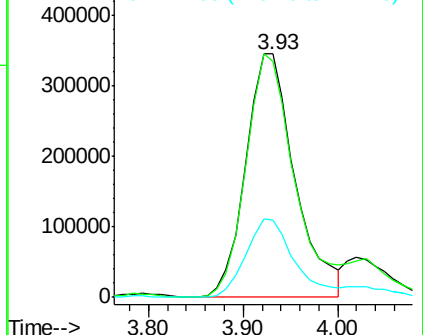
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Methylcyclohexane

Concen: 73.32 ug/l

RT: 5.40 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

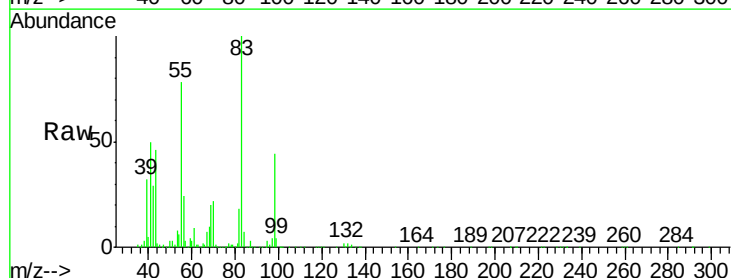
Tgt Ion: 83 Resp: 1179676

Ion Ratio Lower Upper

83 100

55 78.4 60.5 90.7

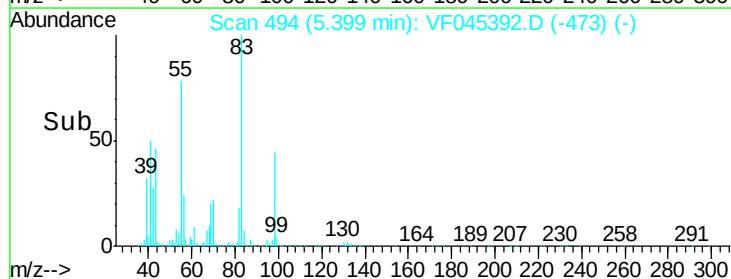
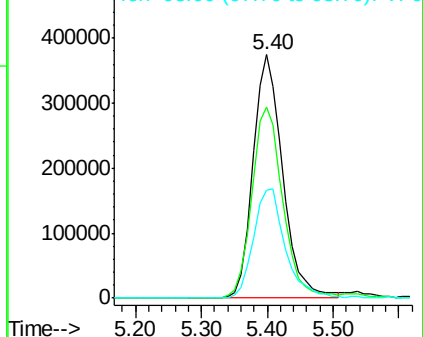
98 44.2 38.1 57.1

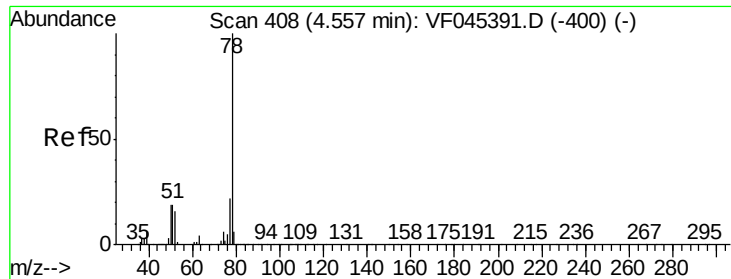


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 72.38 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 78 Resp: 2703611

Ion Ratio Lower Upper

78 100

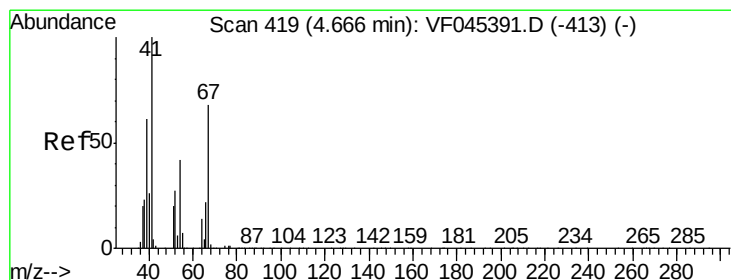
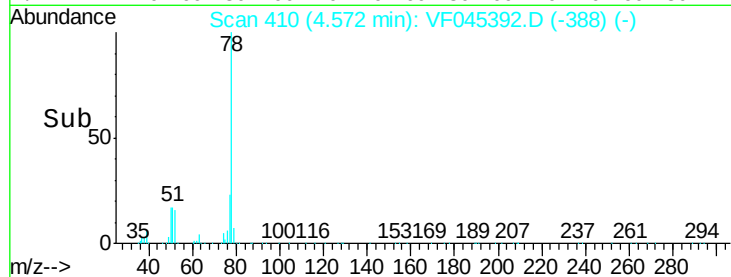
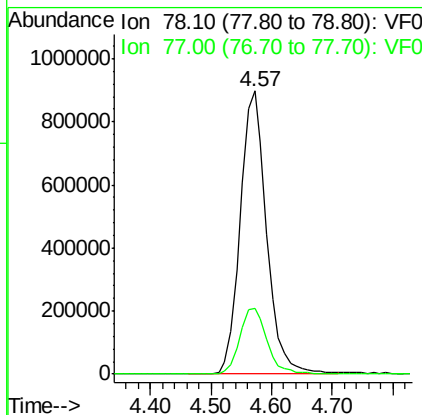
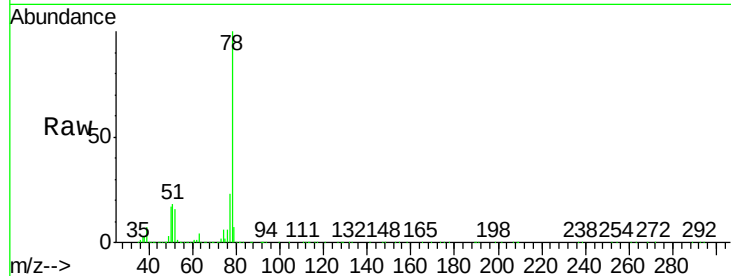
77 23.1 18.6 28.0

Manual Integrations

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9/17/2015 12:50:55 PM



#40

Methacrylonitrile

Concen: 61.90 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion: 41 Resp: 262306

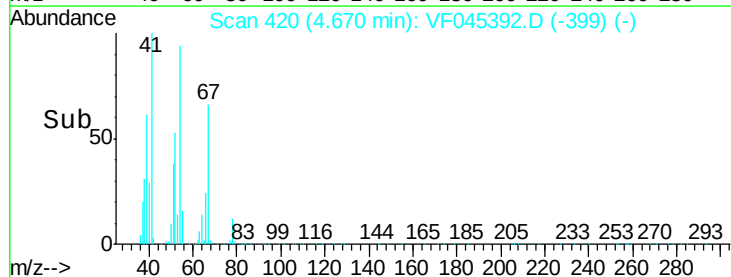
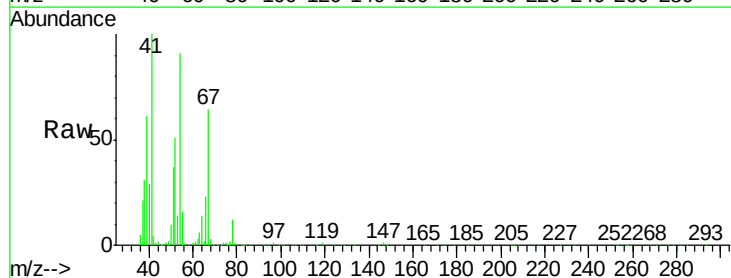
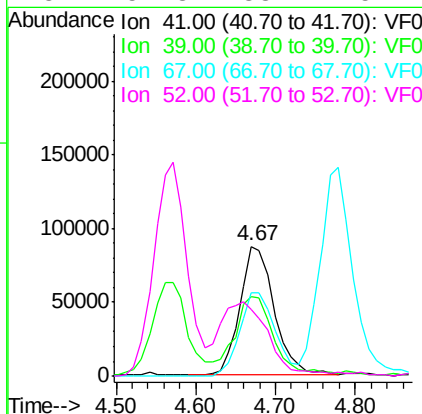
Ion Ratio Lower Upper

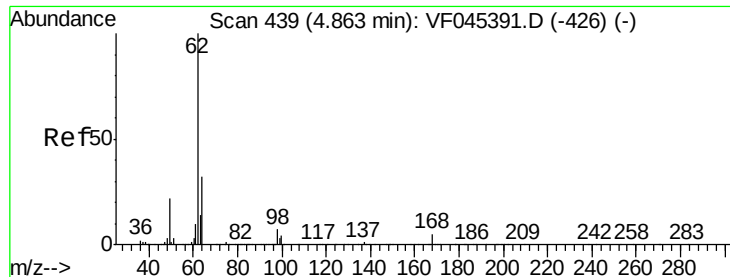
41 100

39 61.5 44.9 67.3

67 64.4 49.0 73.4

52 51.3 38.2 57.2





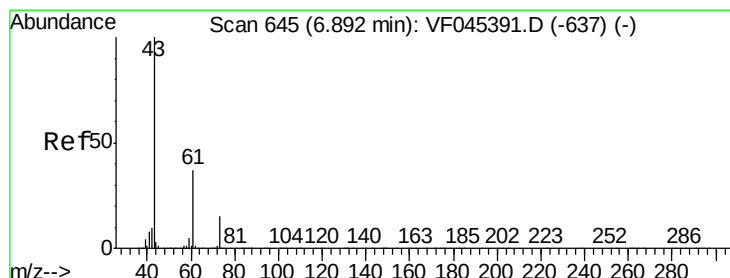
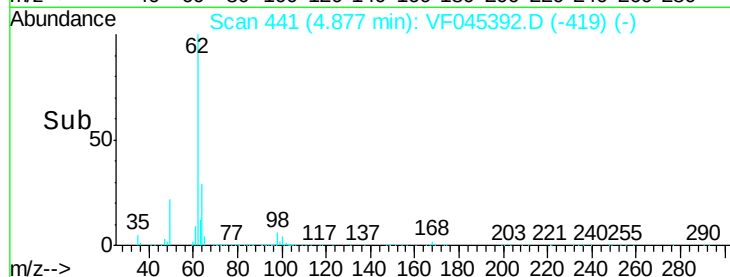
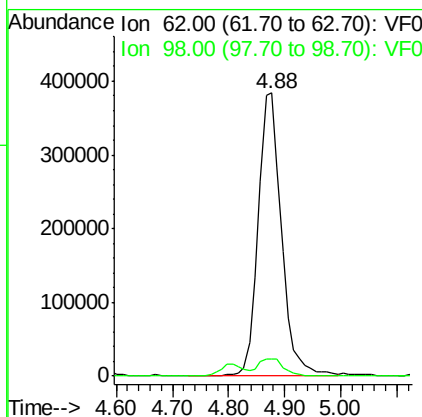
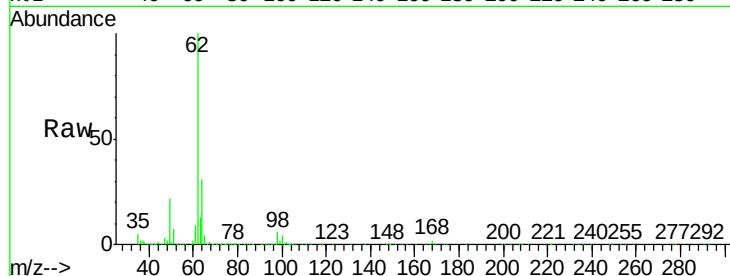
#41
 1,2-Dichloroethane
 Concen: 87.70 ug/l
 RT: 4.88 min Scan# 441
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	17.0

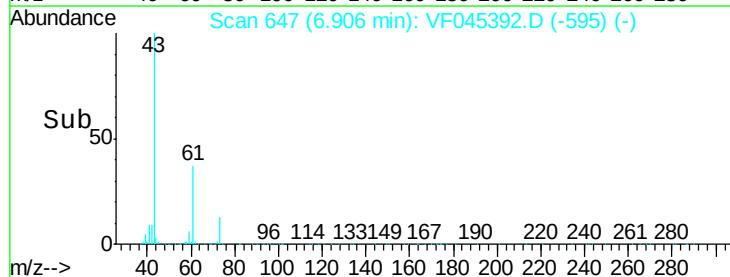
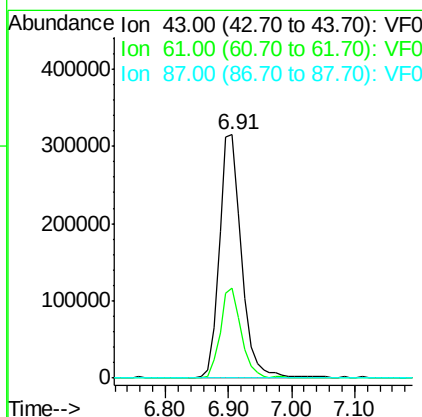
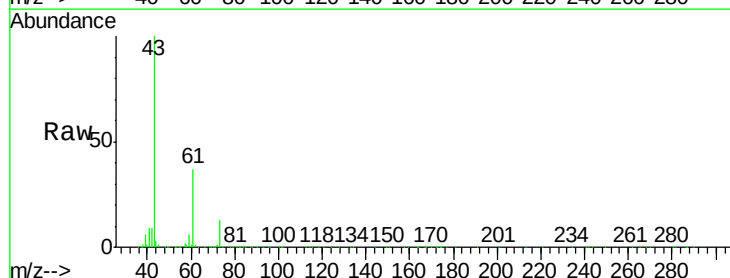
Manual Integrations
 APPROVED

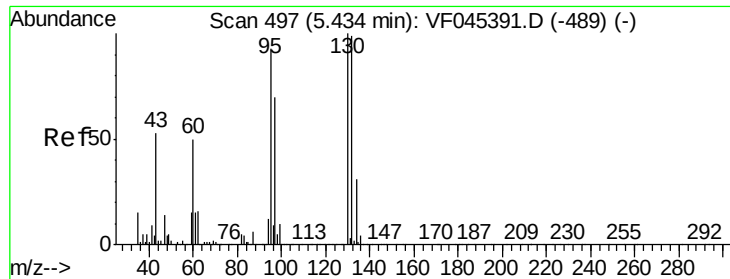
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#42
 Isopropyl Acetate
 Concen: 63.39 ug/l
 RT: 6.91 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	36.8	29.8	44.6
87	0.3	0.2	0.2#





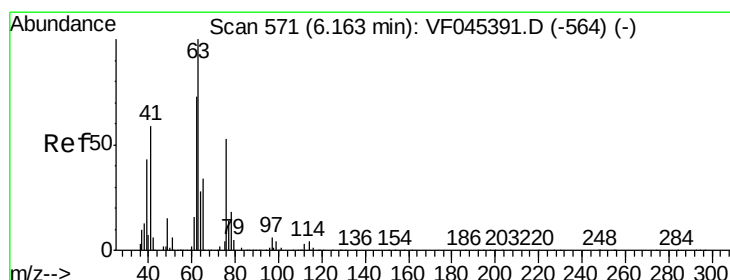
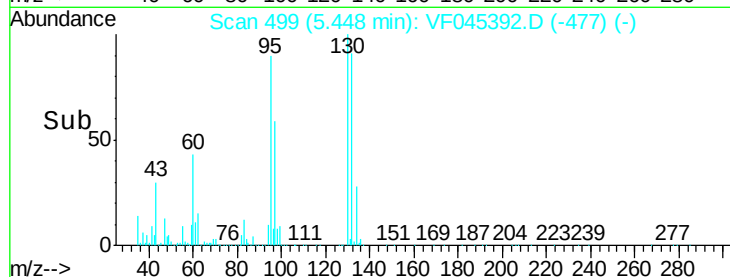
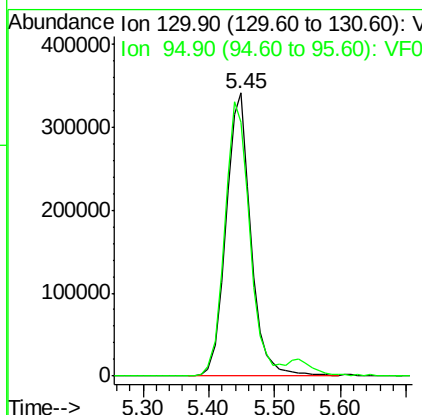
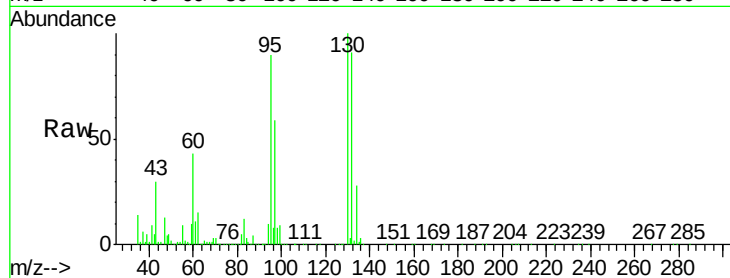
#43
 Trichloroethene
 Concen: 83.65 ug/l
 RT: 5.45 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
130	100	897335		
95	89.7	0.0	192.2	

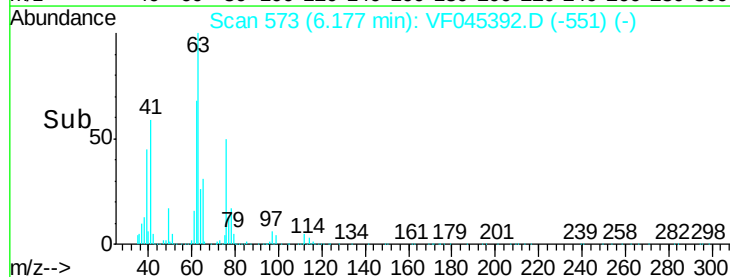
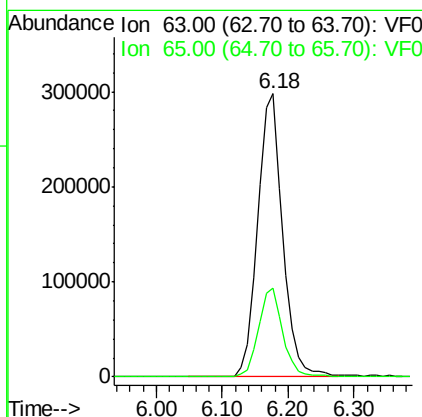
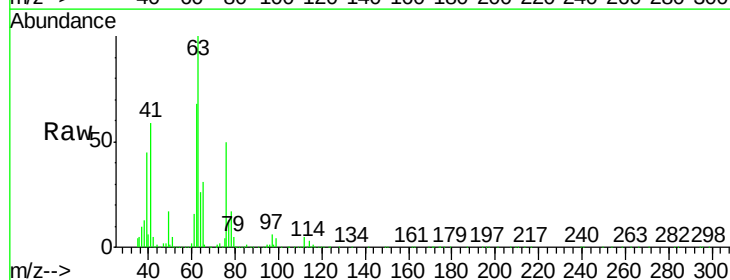
Manual Integrations
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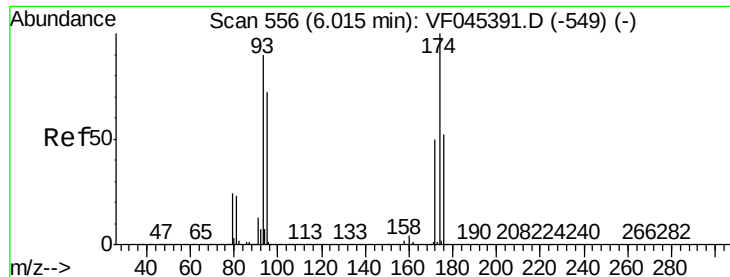
MMDadoda
 9/17/2015 12:50:55 PM



#44
 1,2-Dichloropropane
 Concen: 70.49 ug/l
 RT: 6.18 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	792788		
65	31.2	25.6	38.4	





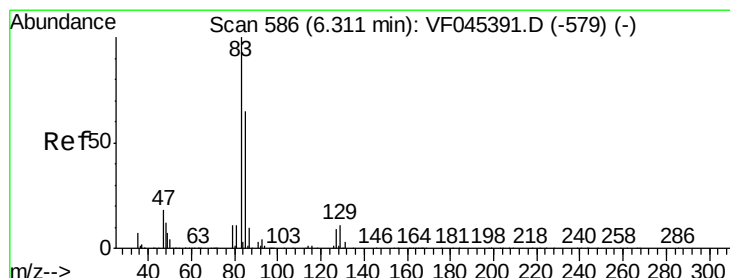
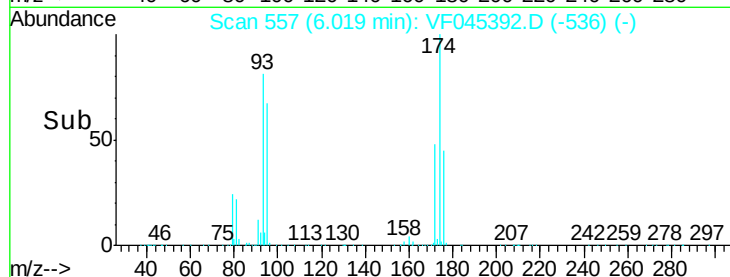
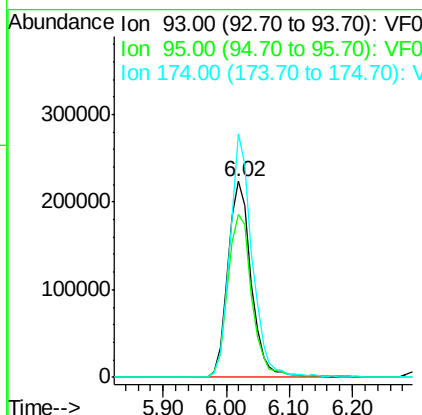
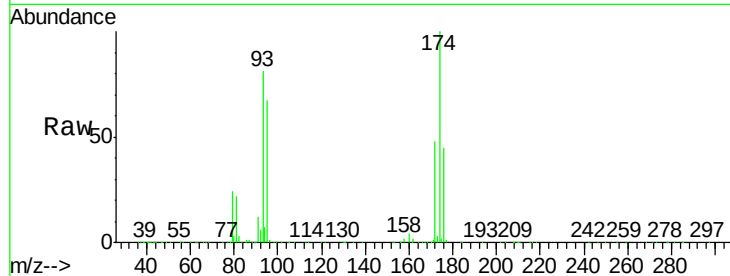
#45
Dibromomethane
Concen: 81.61 ug/l
RT: 6.02 min Scan# 557
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
93	100		
95	82.8	69.8	104.6
174	124.1	90.5	135.7

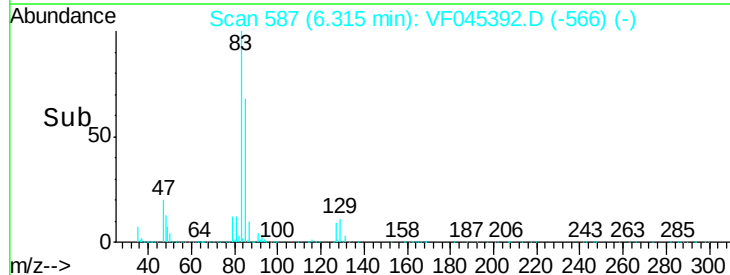
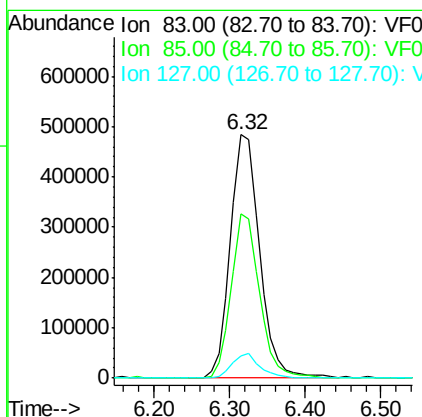
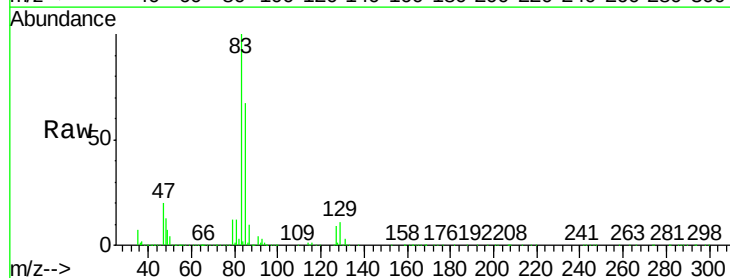
Manual Integrations
APPROVED

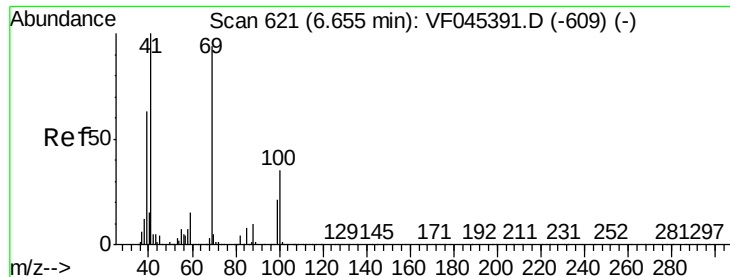
MMDadoda
9/17/2015 12:50:55 PM



#46
Bromodichloromethane
Concen: 87.40 ug/l
RT: 6.32 min Scan# 587
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.6	75.8
127	9.4	7.7	11.5





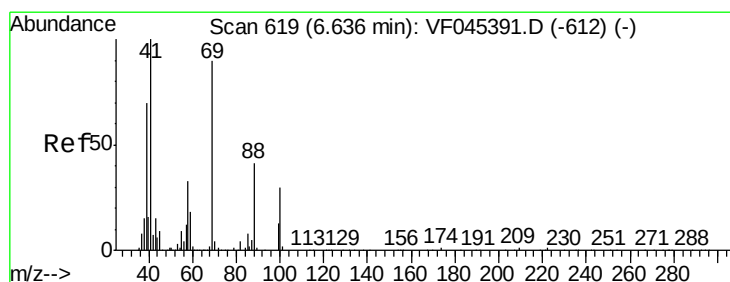
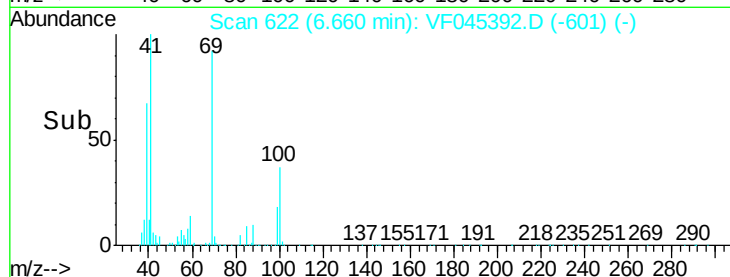
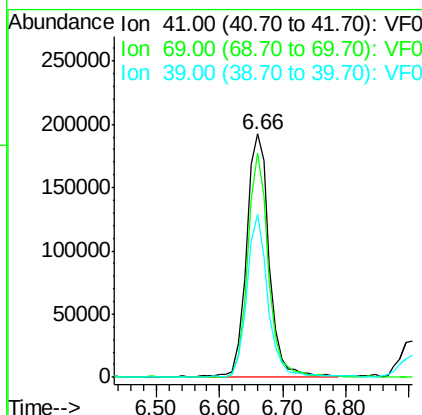
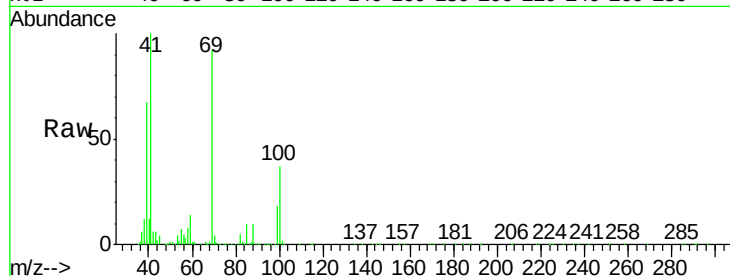
#47
Methvl methacrylate
Concen: 67.83 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
69	92.0	63.3	94.9
39	66.9	48.9	73.3

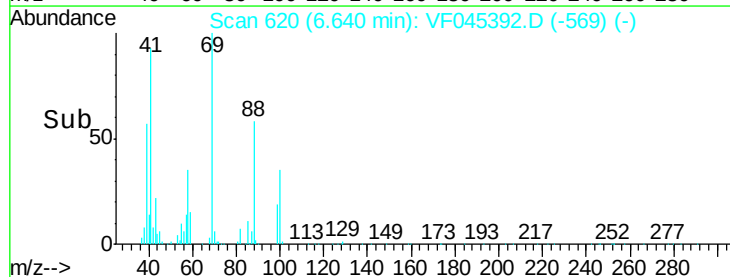
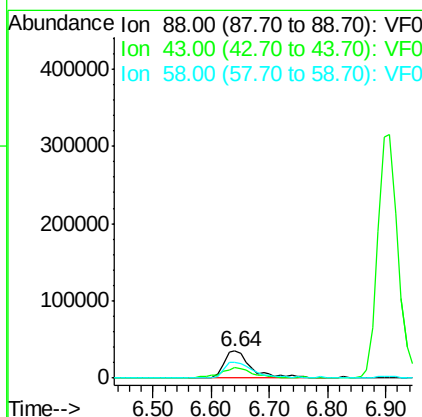
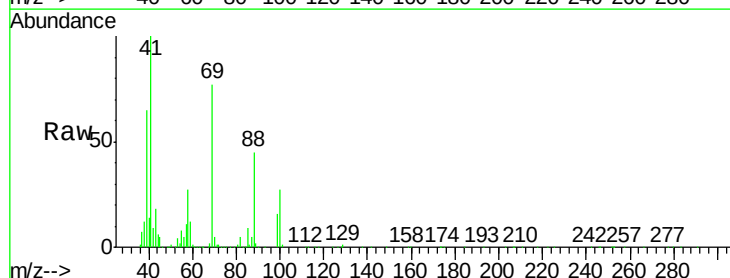
Manual Integrations
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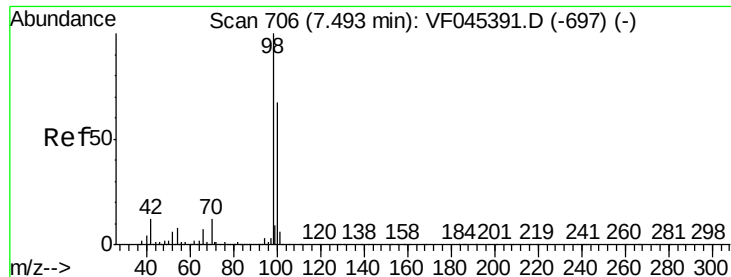
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9/17/2015 12:50:55 PM



#48
1,4-Dioxane
Concen: 1599.03 ug/l
RT: 6.64 min Scan# 620
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.9	34.5	51.7
58	60.0	46.5	69.7





#49

Toluene-d8

Concen: 70.66 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 98 Resp: 2544665

Ion Ratio Lower Upper

98 100

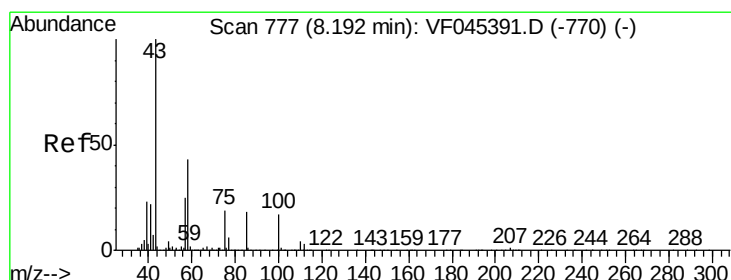
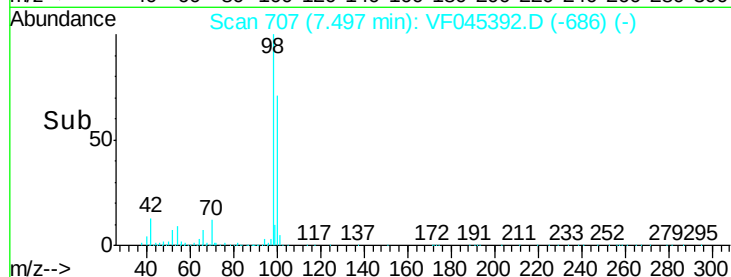
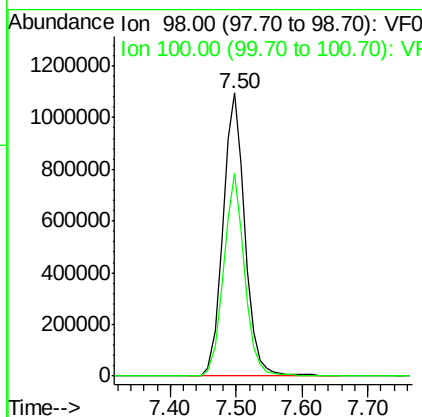
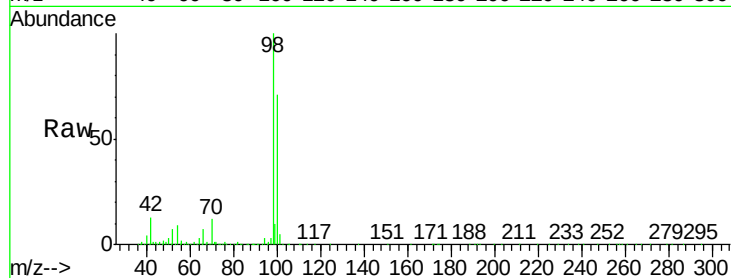
100 71.5 54.4 81.6

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 304.45 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.00 min

Lab File: VF045392.D

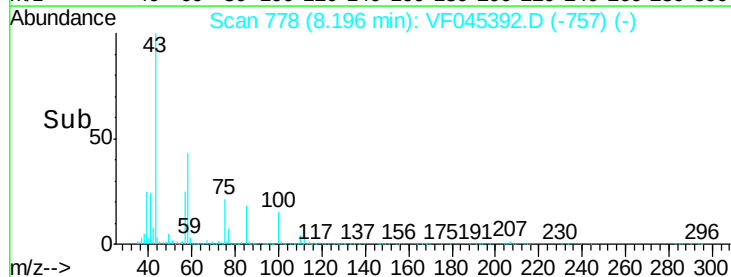
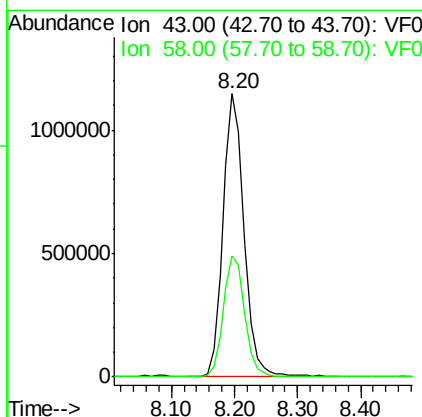
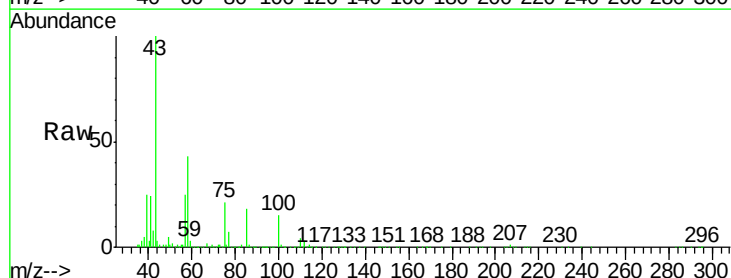
Acq: 16 Sep 2015 15:08

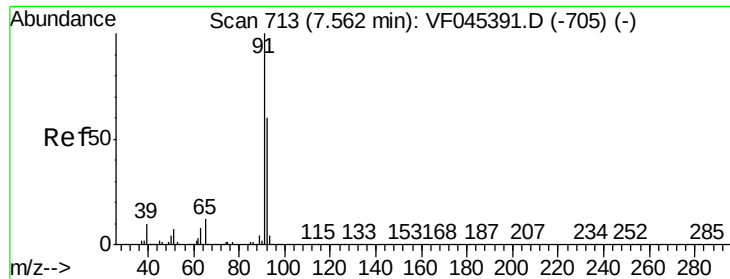
Tgt Ion: 43 Resp: 2652910

Ion Ratio Lower Upper

43 100

58 42.6 33.6 50.4





#51

Toluene

Concen: 75.97 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 92 Resp: 1944265

Ion Ratio Lower Upper

92 100

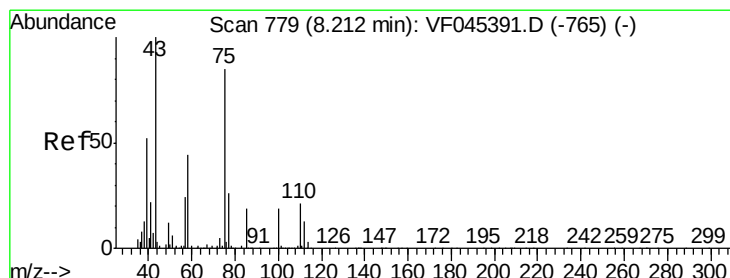
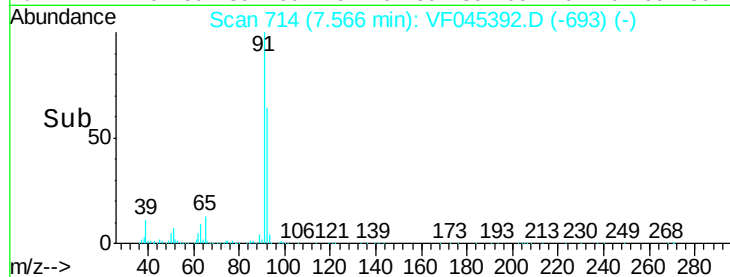
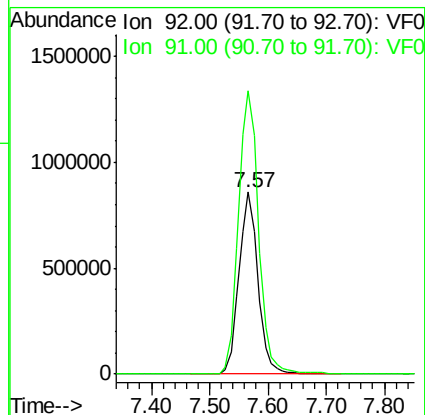
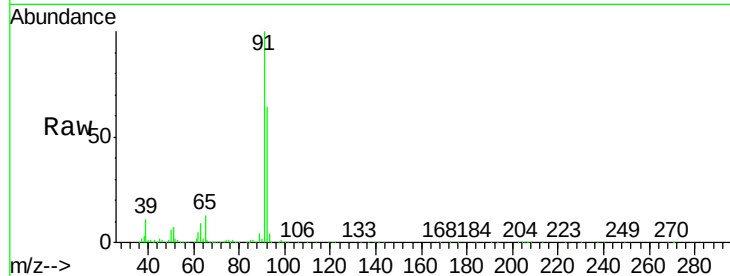
91 155.8 133.4 200.0

Manual Integrations

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9/17/2015 12:50:55 PM



#52

t-1,3-Dichloropropene

Concen: 81.06 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.00 min

Lab File: VF045392.D

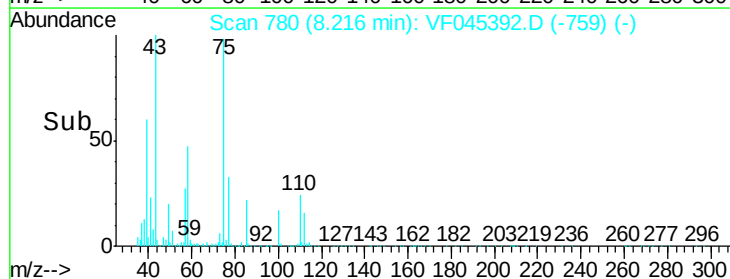
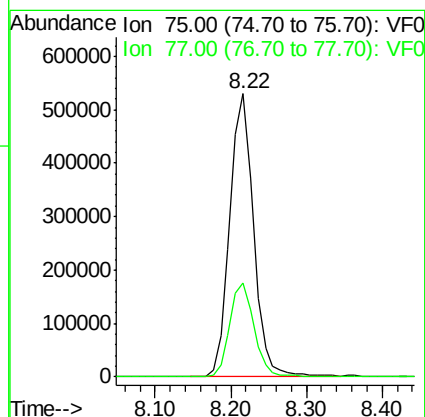
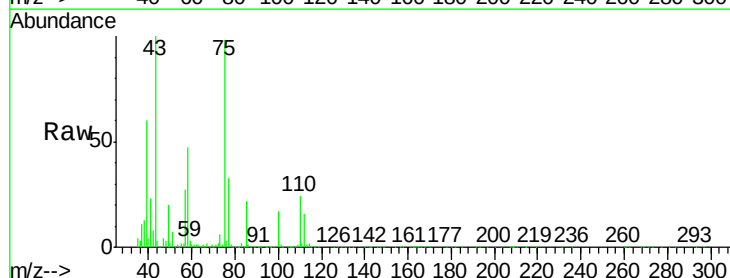
Acq: 16 Sep 2015 15:08

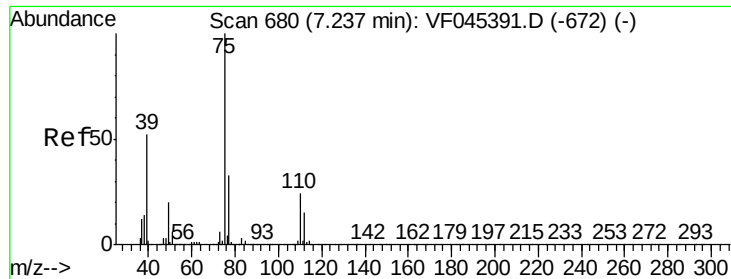
Tgt Ion: 75 Resp: 1151413

Ion Ratio Lower Upper

75 100

77 33.2 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 77.57 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

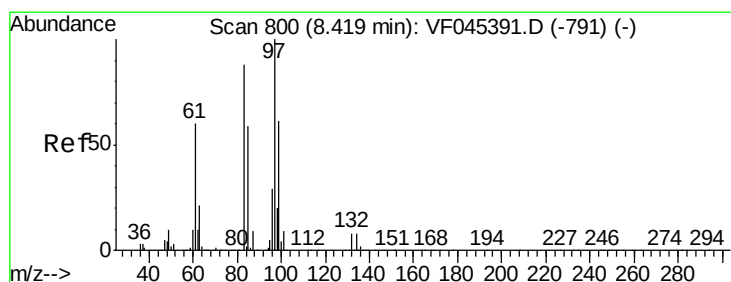
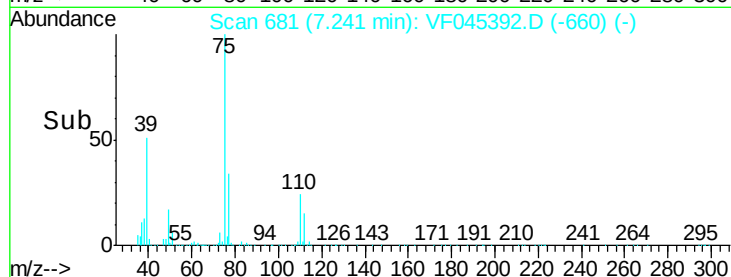
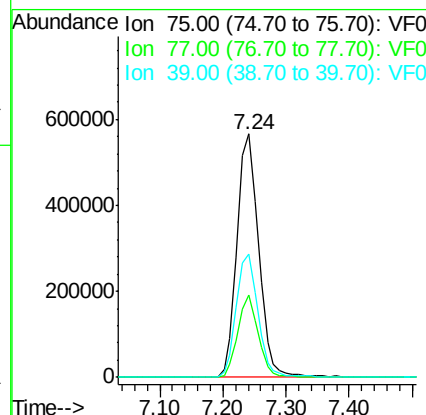
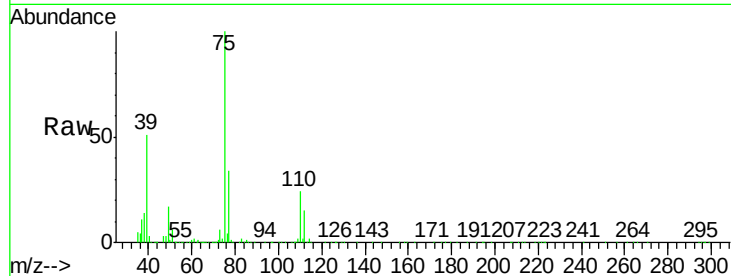
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	1346312
Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.5	38.3
39	50.7	41.6	62.4

Manual Integrations
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#54

1,1,2-Trichloroethane

Concen: 80.10 ug/l

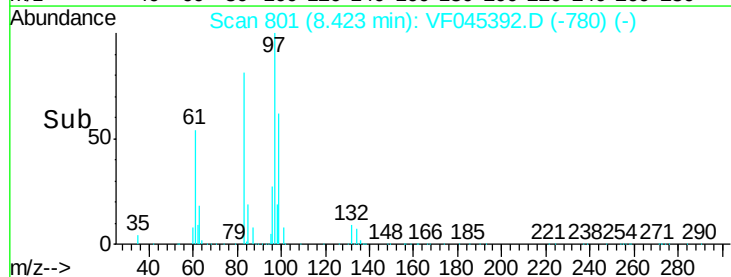
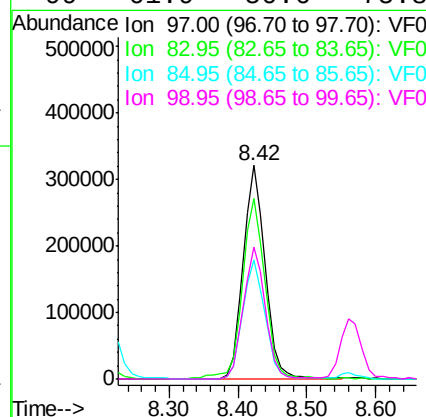
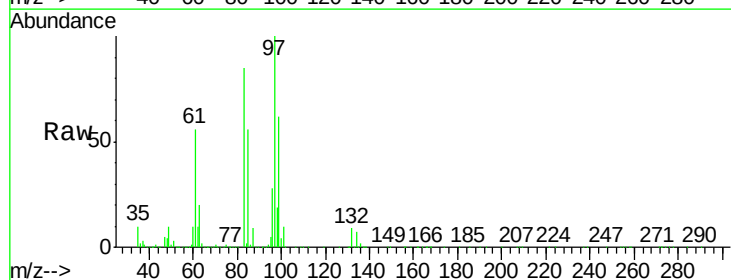
RT: 8.42 min Scan# 801

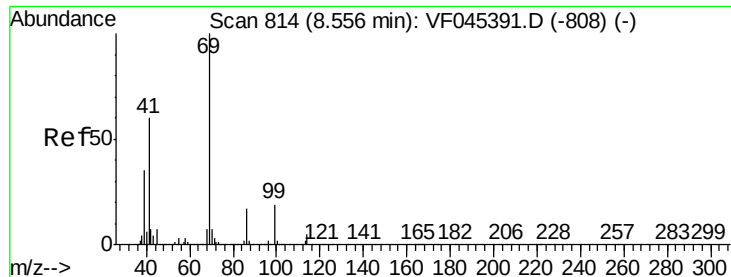
Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion:	97	Resp:	710488
Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.1	105.1
85	55.6	47.4	71.2
99	61.9	50.6	75.8





#55

Ethyl methacrylate

Concen: 75.01 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

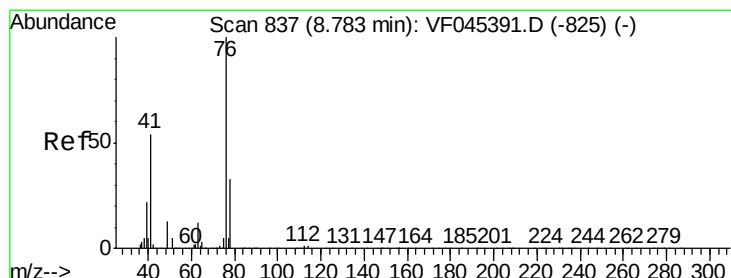
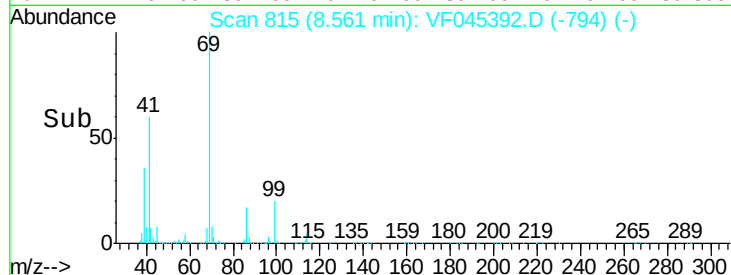
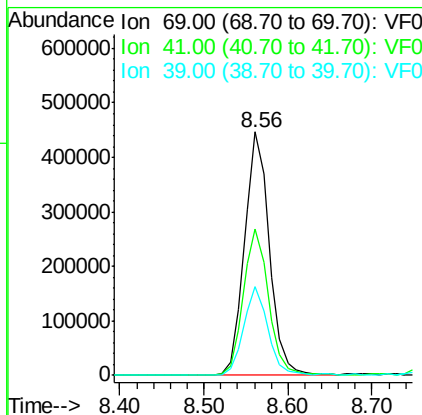
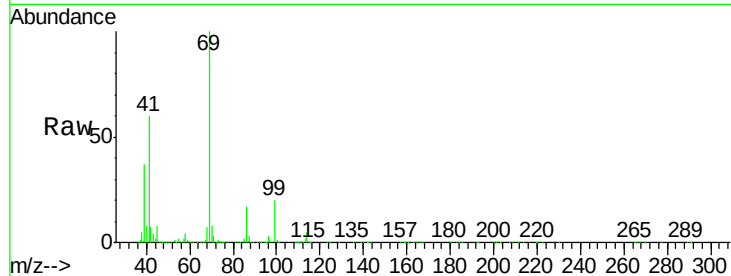
ClientSampleId :

VSTDIC075

Tot Ion:	69	Resp:	926838
Ion Ratio	Lower	Upper	
69	100		
41	60.2	51.0	76.4
39	36.6	29.1	43.7

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#56

1,3-Dichloropropane

Concen: 73.05 ug/l

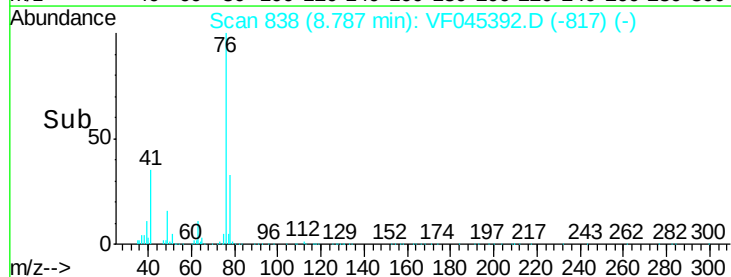
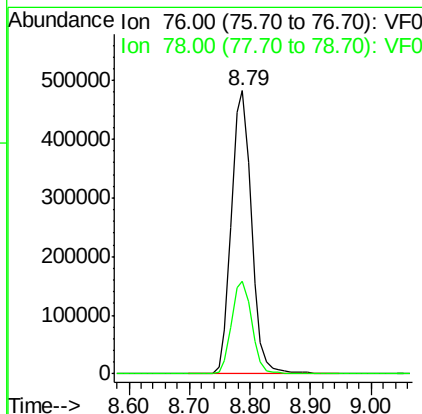
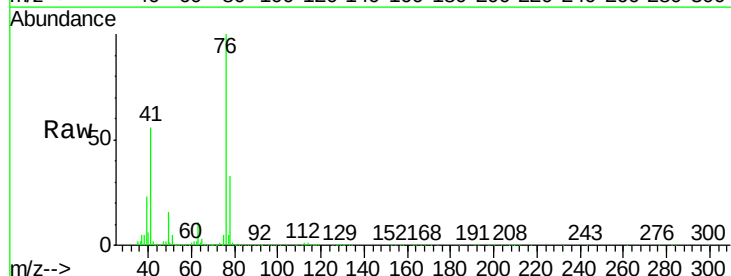
RT: 8.79 min Scan# 838

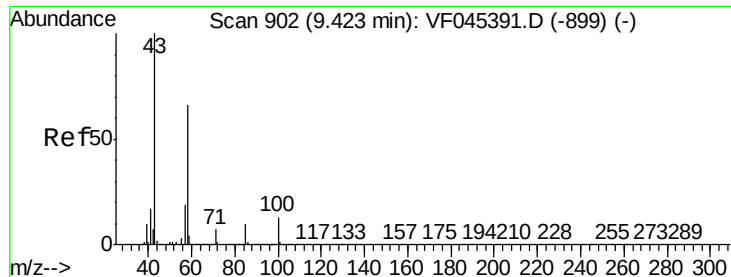
Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion:	76	Resp:	1121808
Ion Ratio	Lower	Upper	
76	100		
78	32.6	26.1	39.1





#58

2-Hexanone

Concen: 290.09 ug/l

RT: 9.43 min Scan# 903

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 2004027

Ion Ratio Lower Upper

43 100

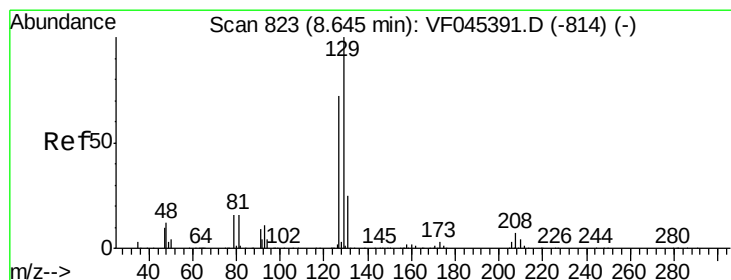
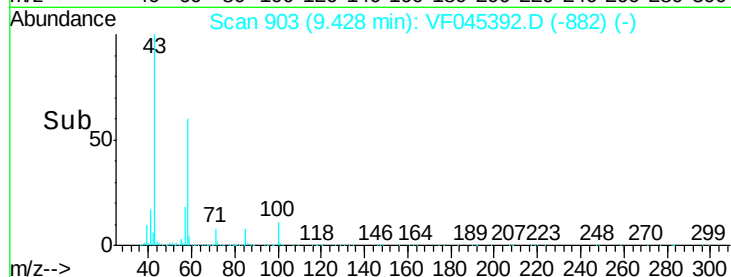
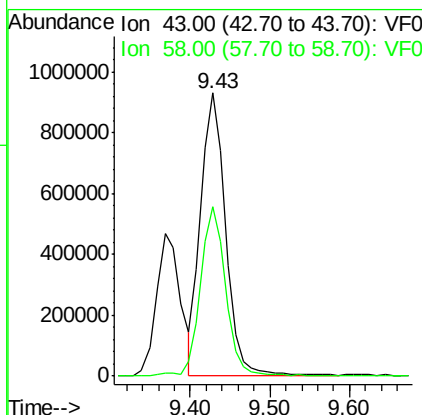
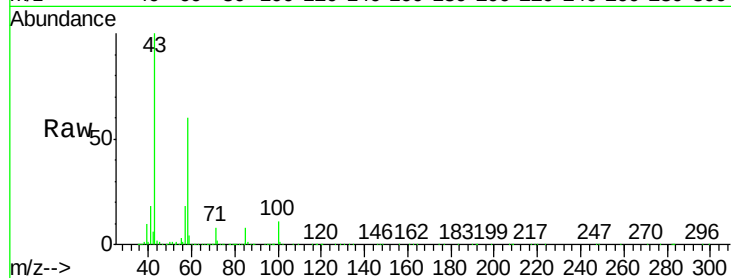
58 59.9 28.8 86.5

Manual Integrations

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9/17/2015 12:50:55 PM



#59

Dibromochloromethane

Concen: 90.50 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF045392.D

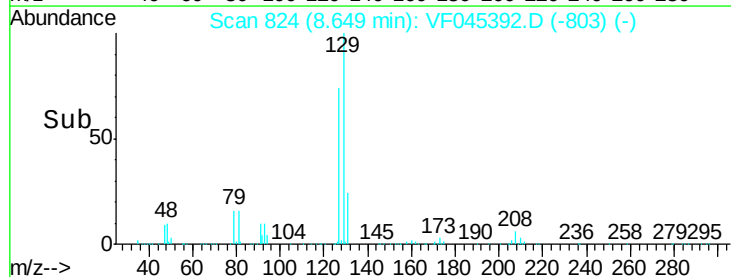
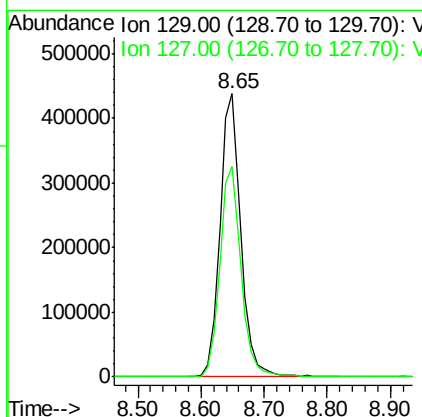
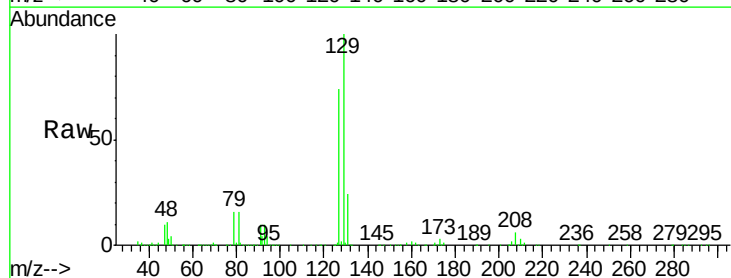
Acq: 16 Sep 2015 15:08

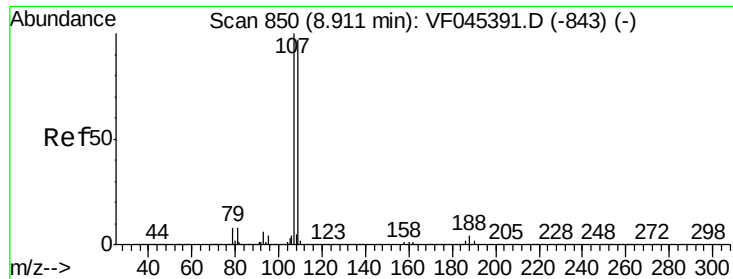
Tgt Ion: 129 Resp: 1012907

Ion Ratio Lower Upper

129 100

127 74.3 38.2 114.6





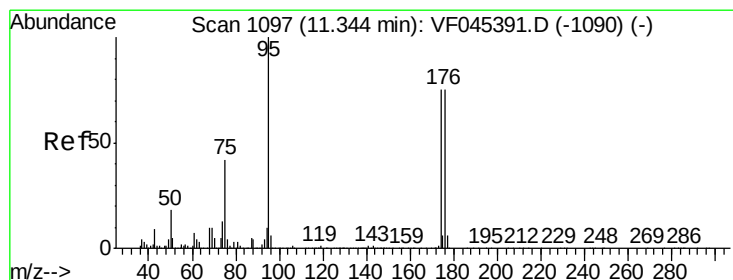
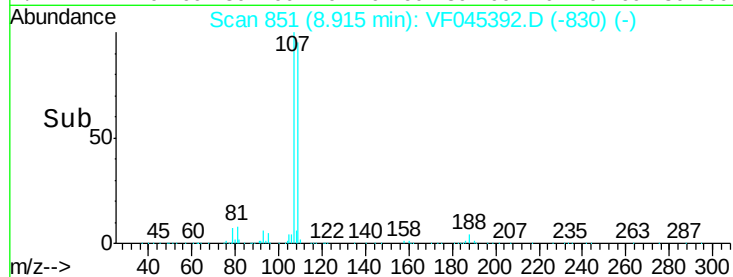
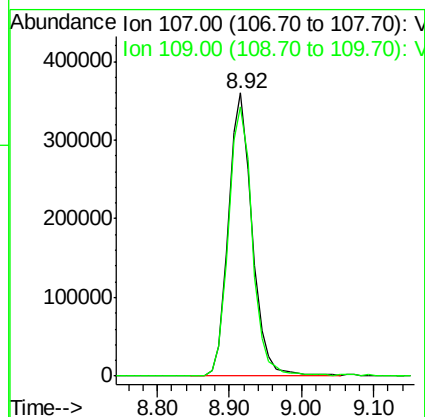
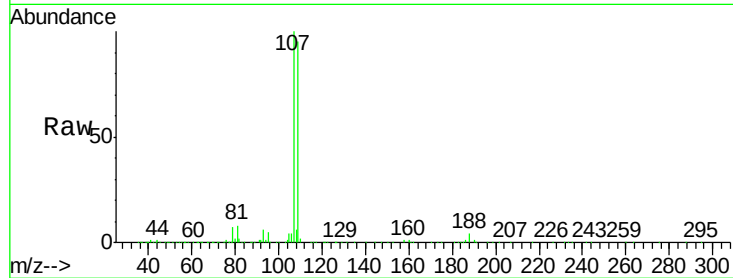
#60
 1,2-Dibromoethane
 Concen: 82.61 ug/l
 RT: 8.92 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	79.4	119.0

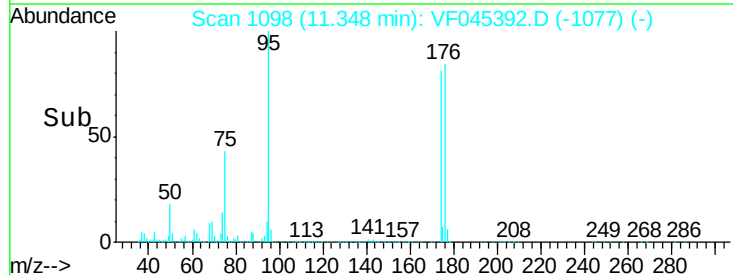
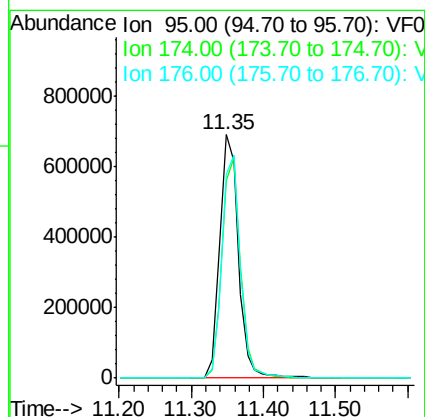
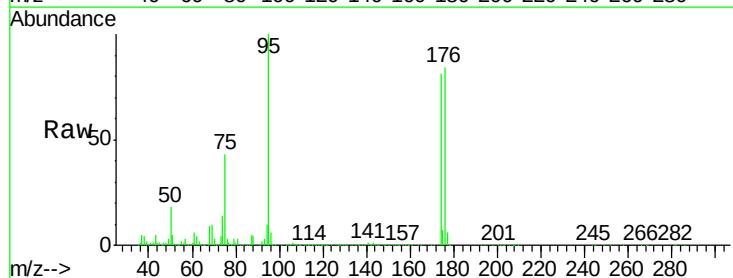
Manual Integrations
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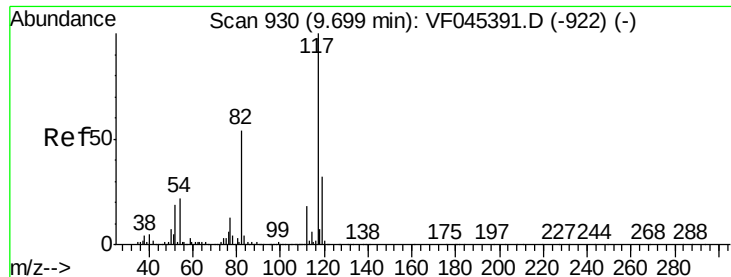
MMDadoda
 9/17/2015 12:50:55 PM



#61
 4-Bromofluorobenzene
 Concen: 74.13 ug/l
 RT: 11.35 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	177.8
176	83.8	0.0	176.2





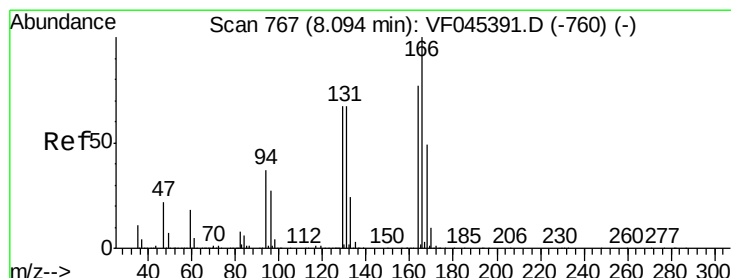
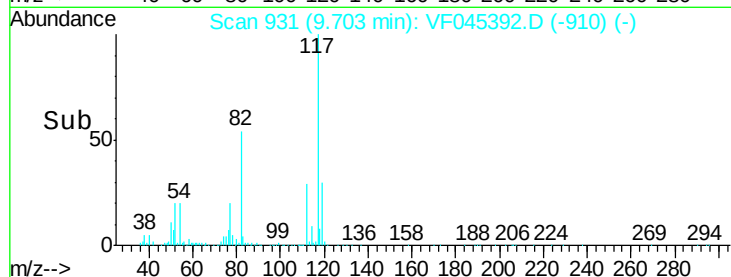
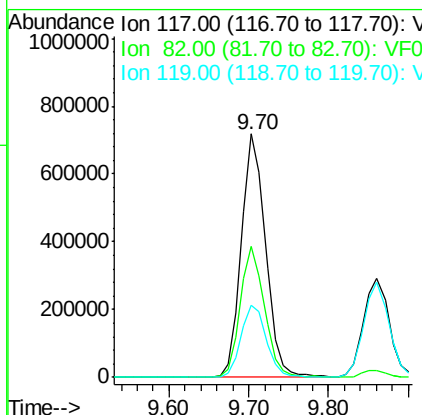
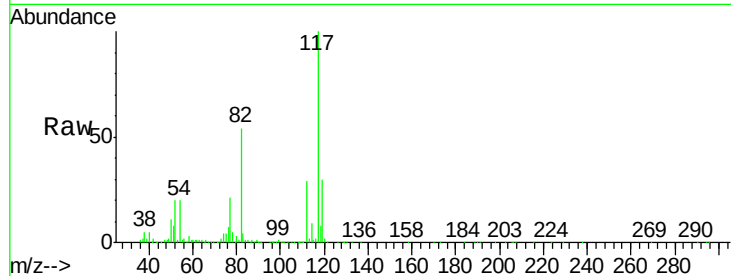
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.6
119	29.6	26.2	39.4

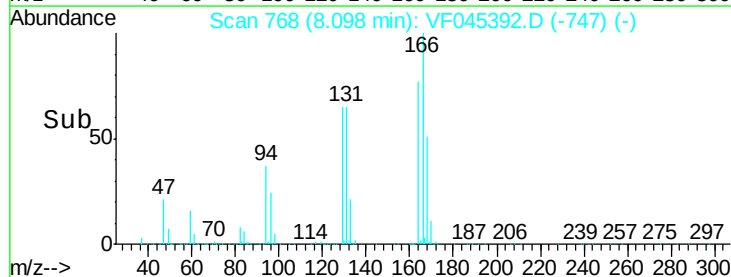
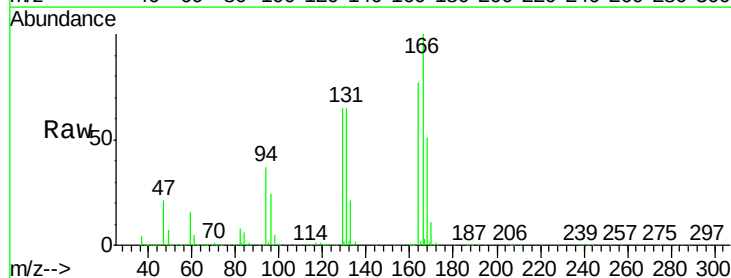
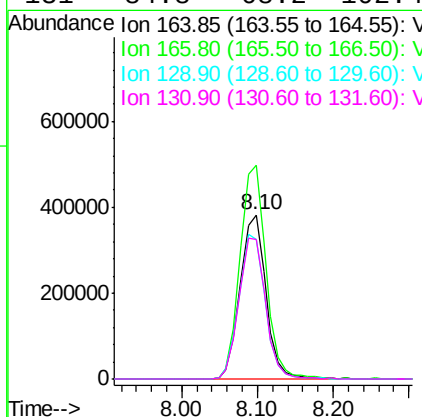
Manual Integrations
APPROVED

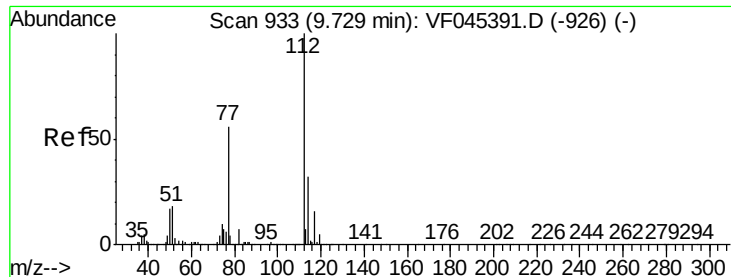
MMDadoda
9/17/2015 12:50:55 PM



#63
Tetrachloroethene
Concen: 87.08 ug/l
RT: 8.10 min Scan# 768
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	106.0	159.0
129	84.9	69.8	104.6
131	84.8	68.2	102.4





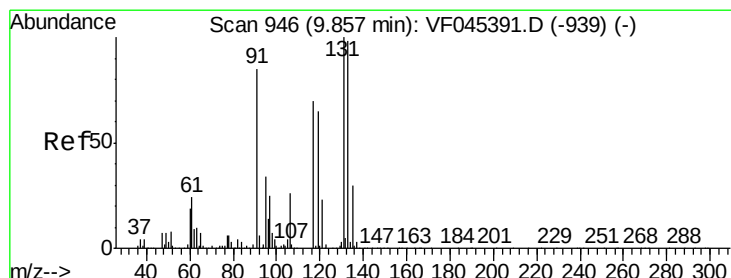
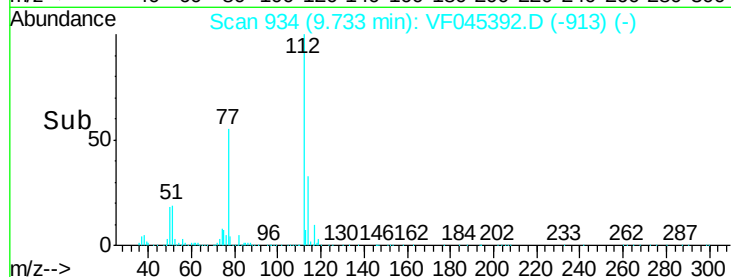
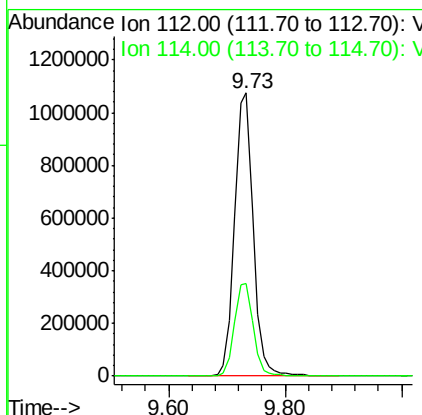
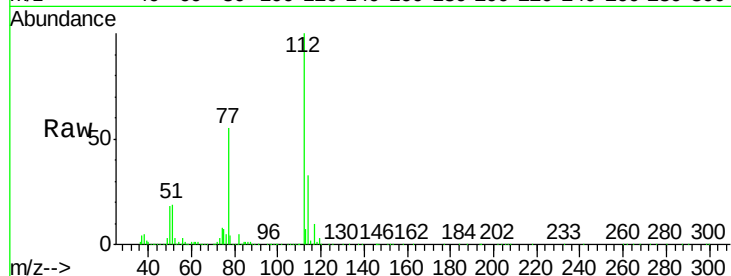
#64
Chlorobenzene
Concen: 76.69 ug/l
RT: 9.73 min Scan# 934
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 2384076
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4

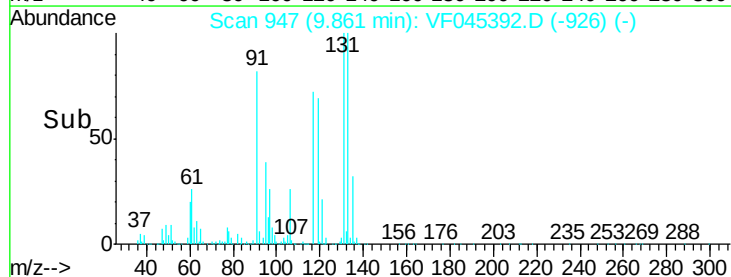
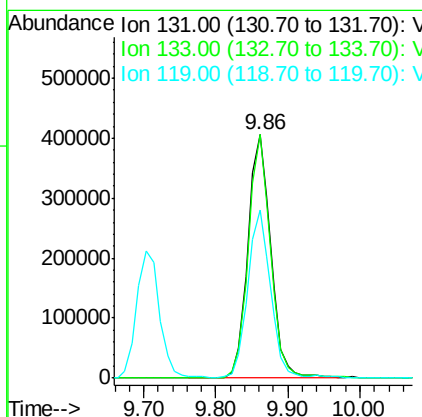
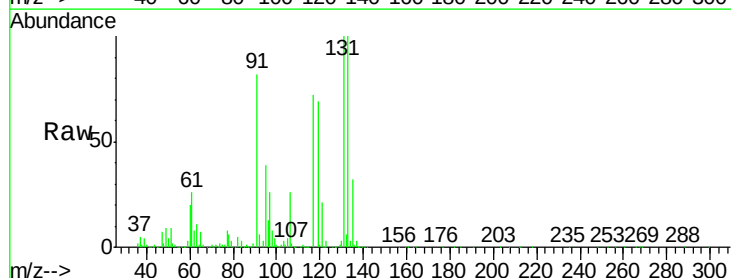
Manual Integrations
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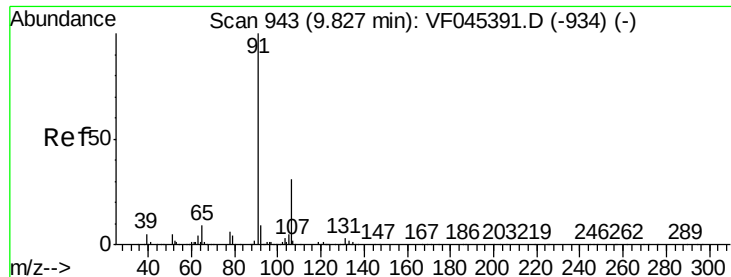
MMDadoda
9/17/2015 12:50:55 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 84.75 ug/l
RT: 9.86 min Scan# 947
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion:131 Resp: 904837
Ion Ratio Lower Upper
131 100
133 99.8 48.1 144.4
119 69.2 34.8 104.5





#66

Ethyl Benzene

Concen: 72.46 ug/l

RT: 9.83 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 4000240

Ion Ratio Lower Upper

91 100

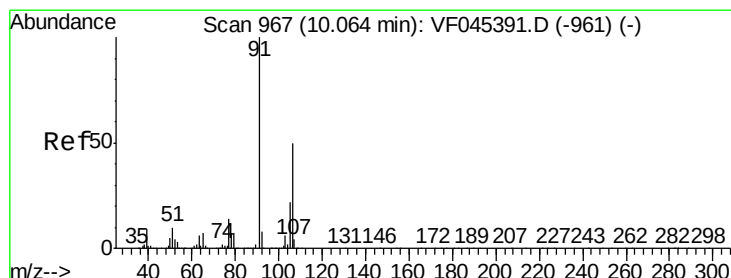
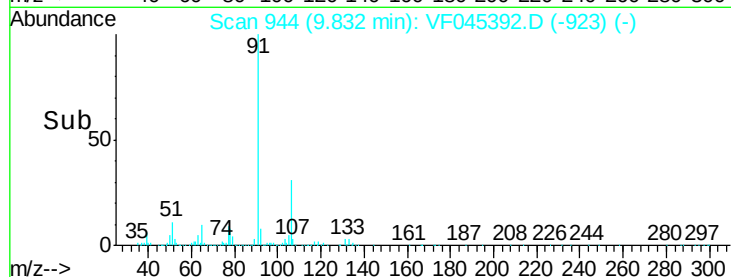
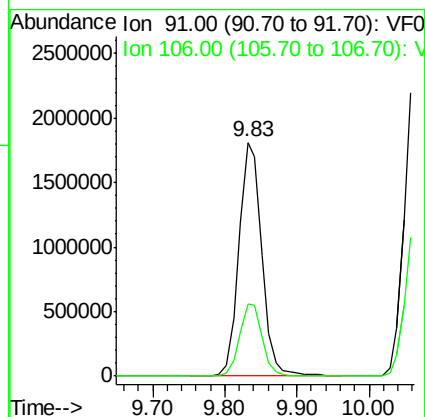
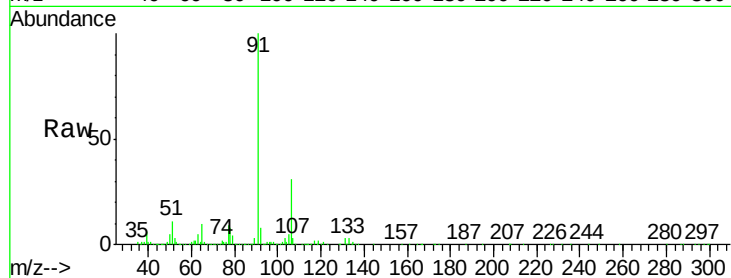
106 30.9 23.6 35.4

Manual Integrations

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9/17/2015 12:50:55 PM



#67

m/p-Xylenes

Concen: 150.03 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF045392.D

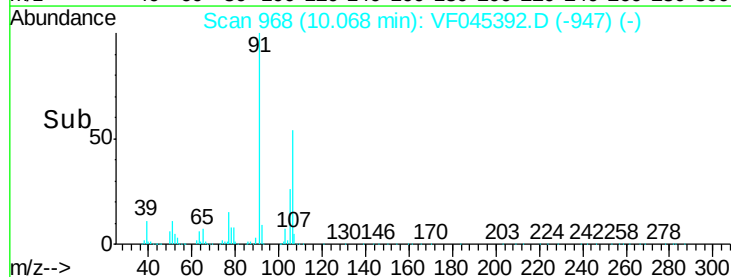
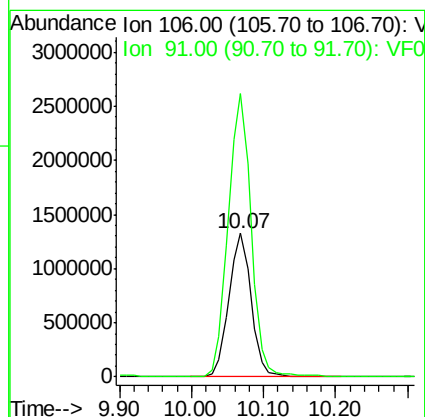
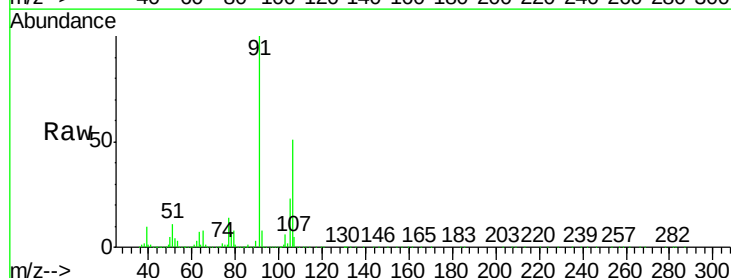
Acq: 16 Sep 2015 15:08

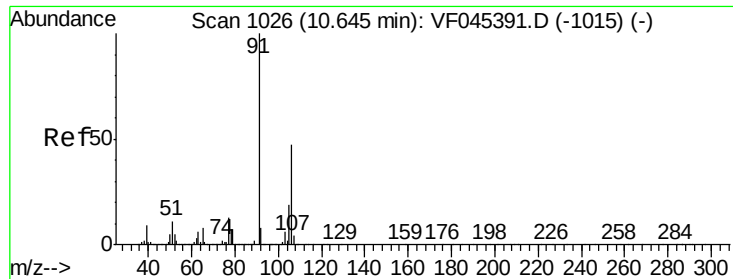
Tgt Ion: 106 Resp: 2871058

Ion Ratio Lower Upper

106 100

91 197.0 166.1 249.1





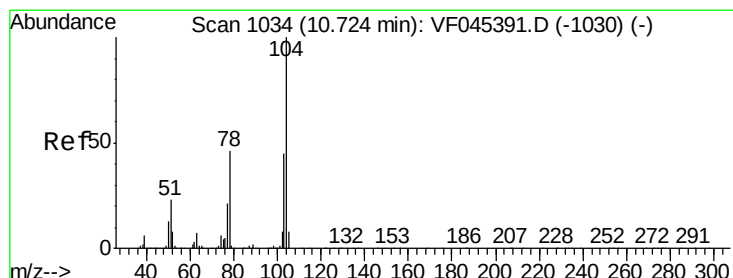
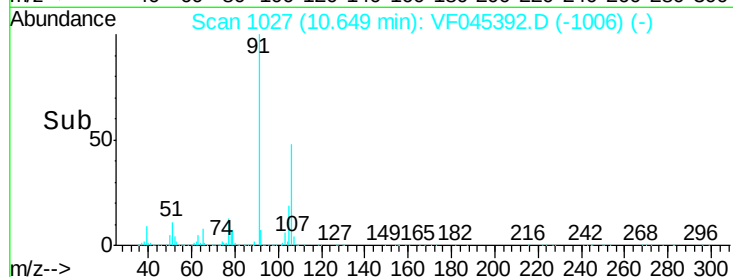
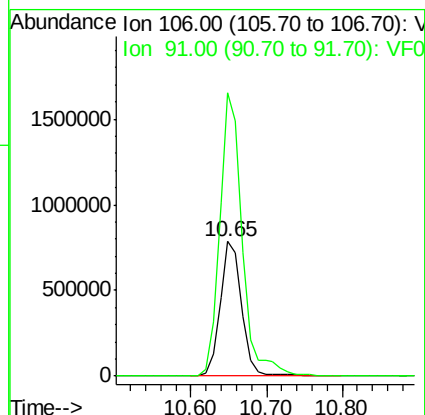
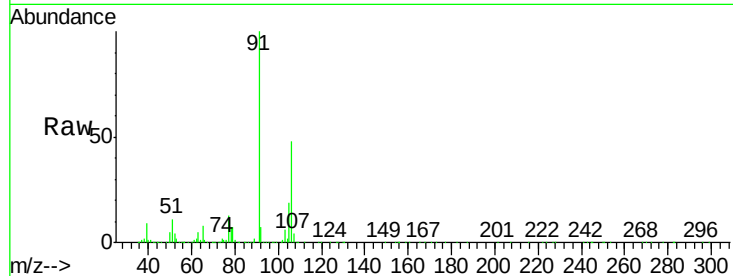
#68
o-Xylene
Concen: 77.71 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 1557452
Ion Ratio Lower Upper
106 100
91 210.2 108.1 324.2

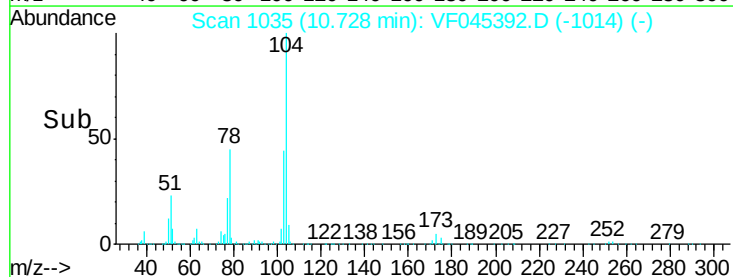
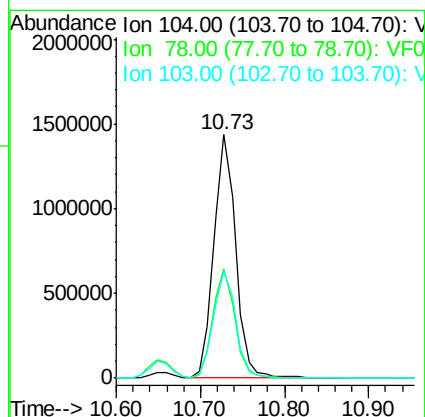
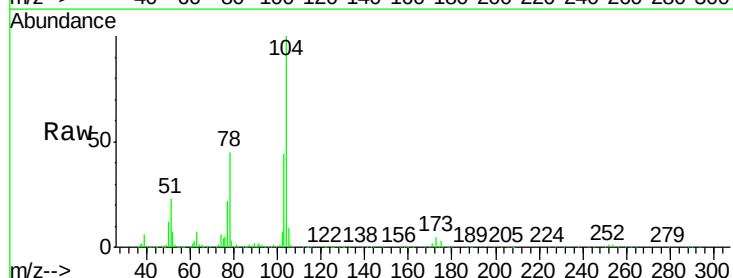
Manual Integrations
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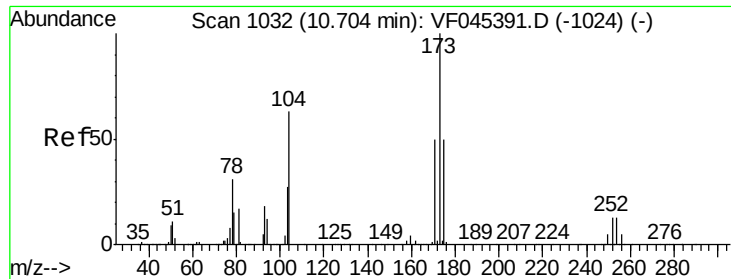
MMDadoda
9/17/2015 12:50:55 PM



#69
Styrene
Concen: 80.36 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion:104 Resp: 2582402
Ion Ratio Lower Upper
104 100
78 45.0 34.2 51.4
103 43.7 36.7 55.1





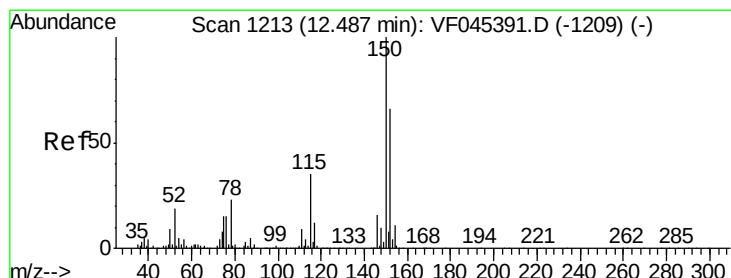
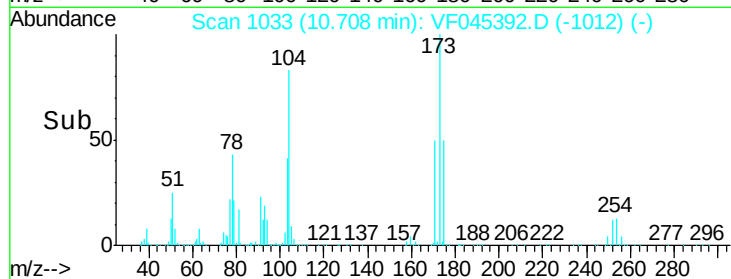
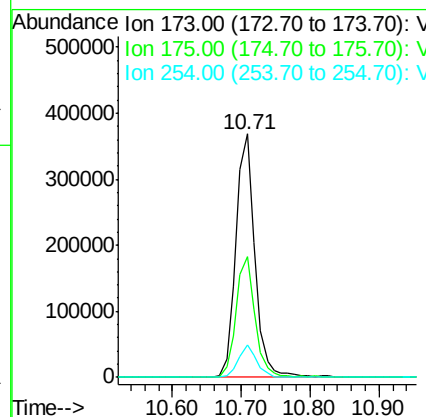
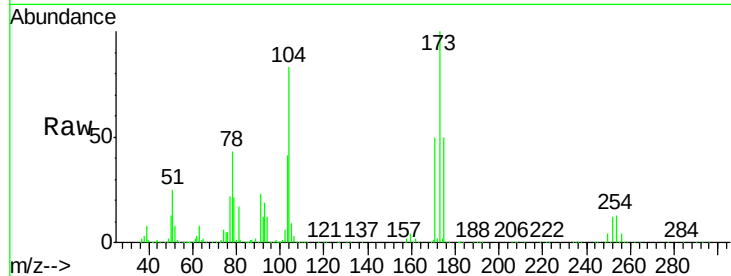
#70
Bromoform
Concen: 93.32 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	25.7	77.0
254	13.3	9.8	14.6

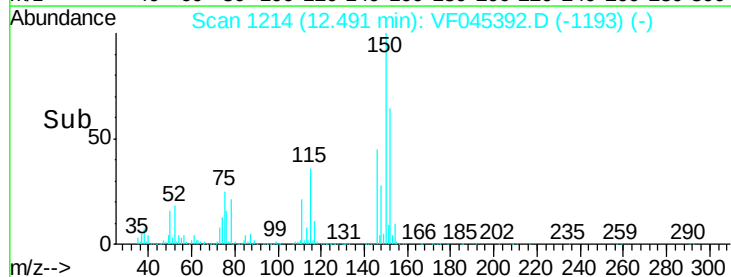
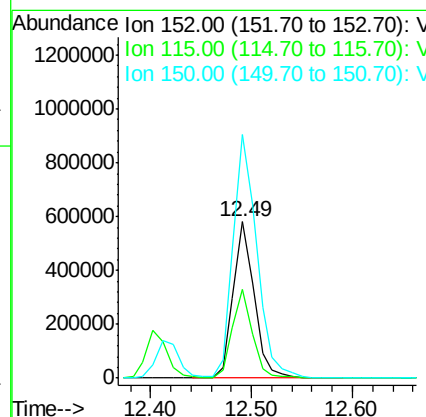
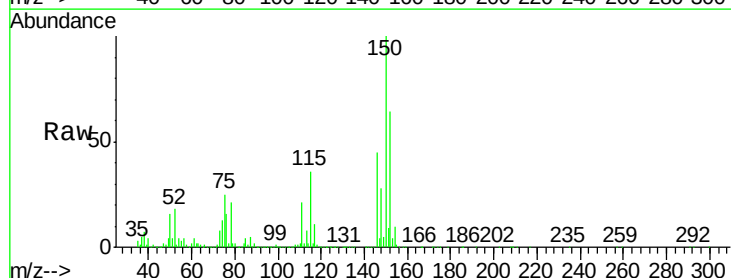
Manual Integrations
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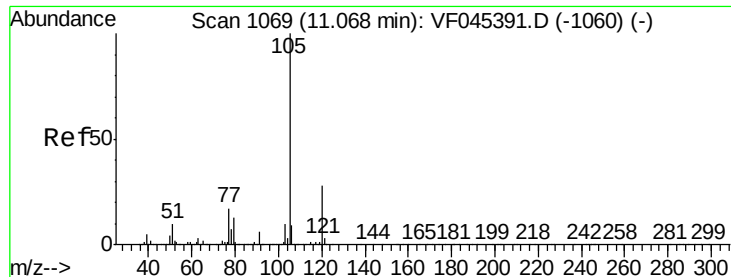
MMDadoda
9/17/2015 12:50:55 PM



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.3	85.0
150	155.6	0.0	324.2





#72

Isopropylbenzene

Concen: 67.58 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 4161681

Ion Ratio Lower Upper

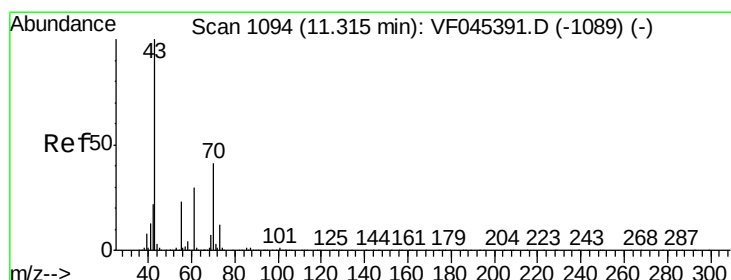
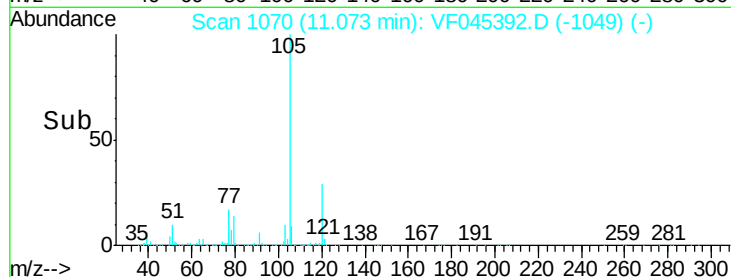
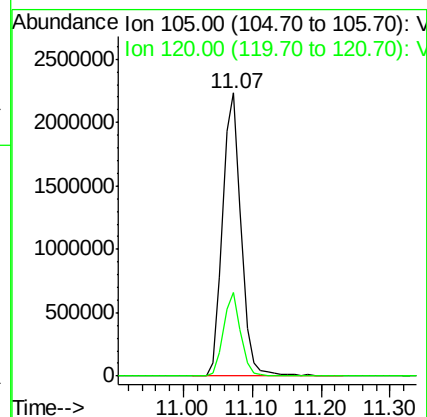
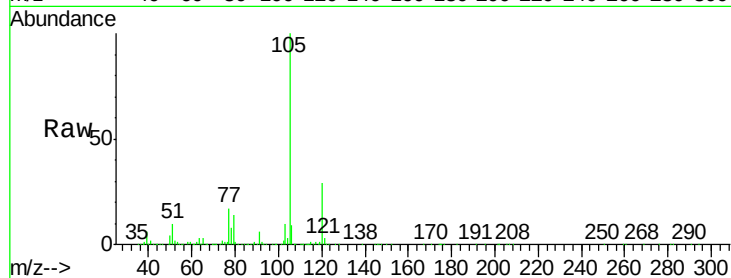
105 100

120 29.4 13.0 39.0

Manual Integrations
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9/17/2015 12:50:55 PM



#73

N-ethyl acetate

Concen: 56.82 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion: 43 Resp: 1209321

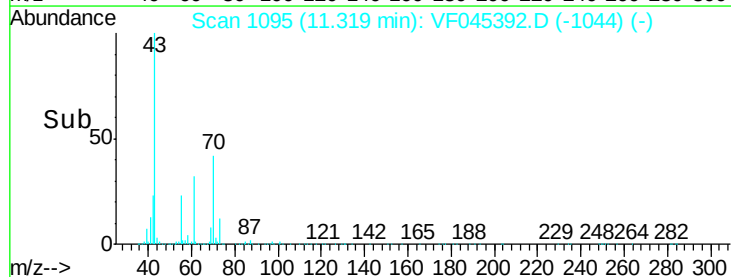
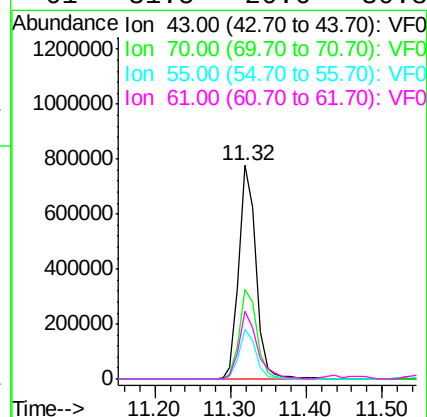
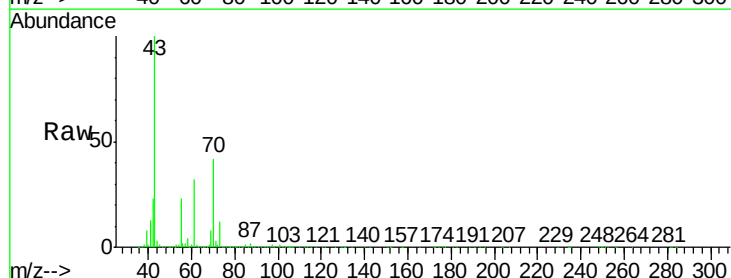
Ion Ratio Lower Upper

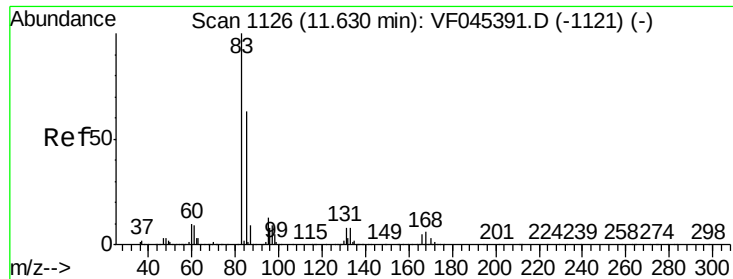
43 100

70 41.9 30.0 45.0

55 23.2 16.8 25.2

61 31.5 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 63.66 ug/l

RT: 11.63 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

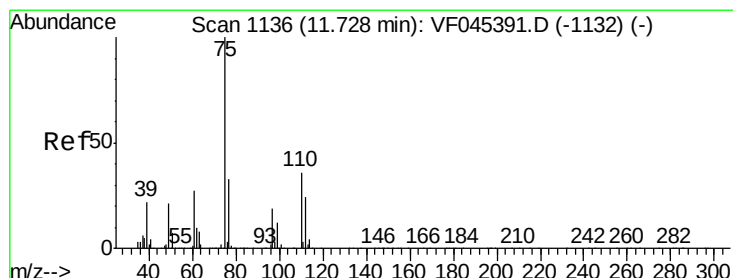
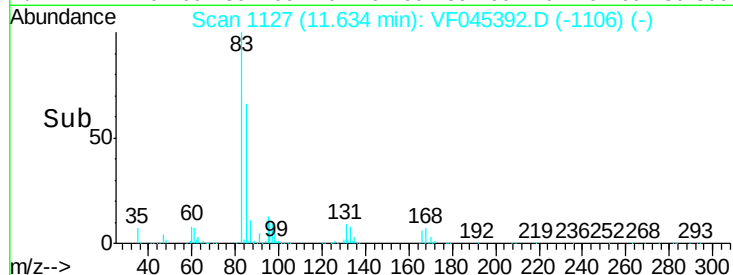
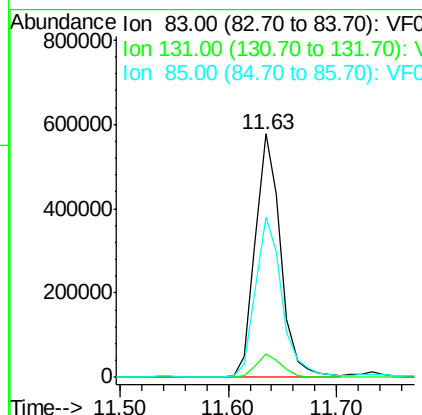
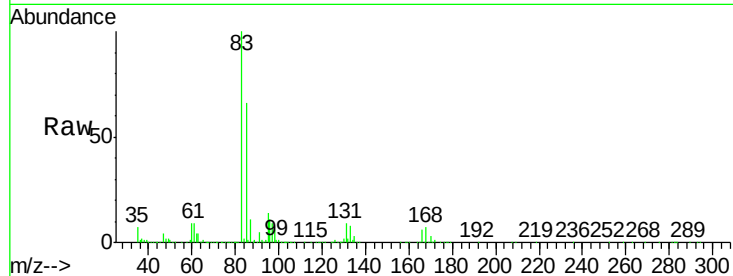
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	941176
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.2	12.6
85	66.0	32.5	97.5

Manual Integrations
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#75

1,2,3-Trichloropropane

Concen: 63.46 ug/l

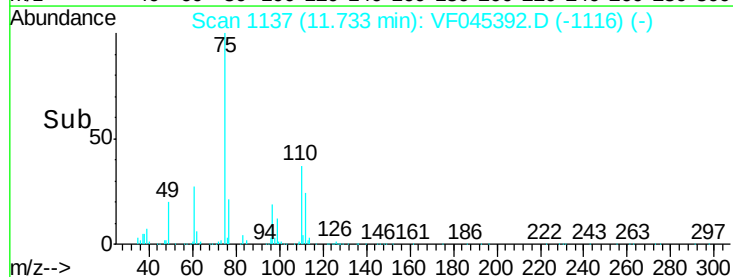
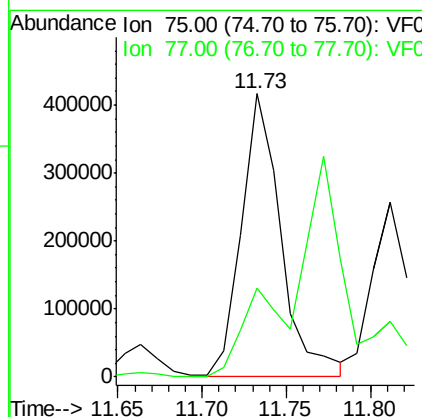
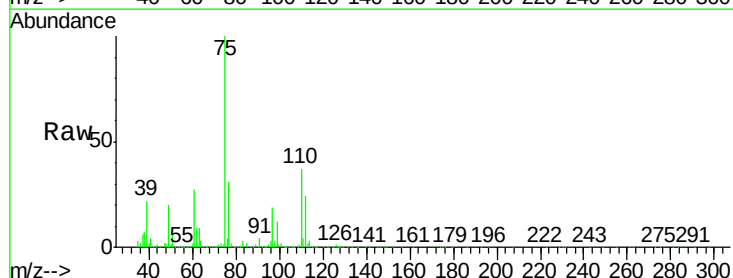
RT: 11.73 min Scan# 1137

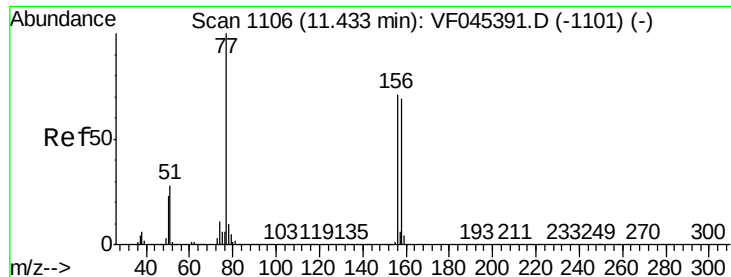
Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Tgt Ion:	75	Resp:	675351
Ion Ratio	Lower	Upper	
75	100		
77	31.2	15.0	45.1





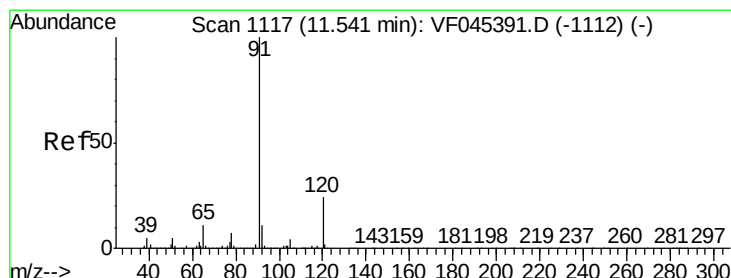
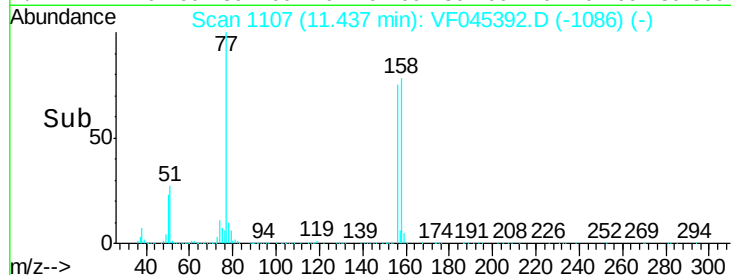
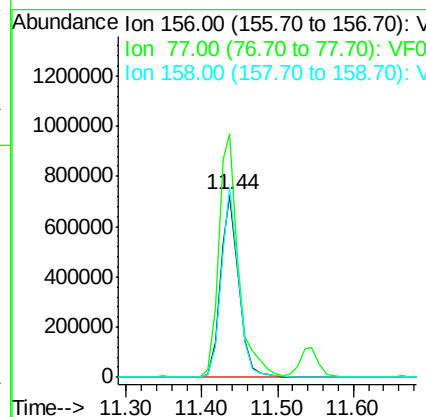
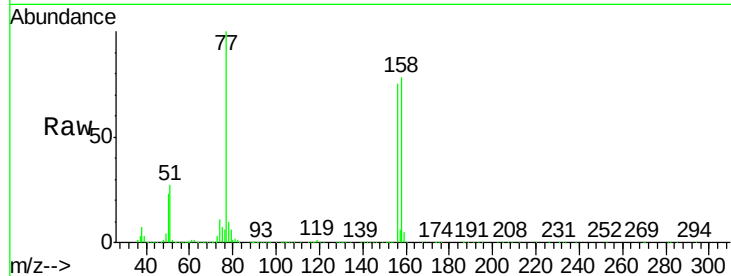
#76
Bromobenzene
Concen: 77.66 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.2	74.8	224.3
158	104.2	49.5	148.7

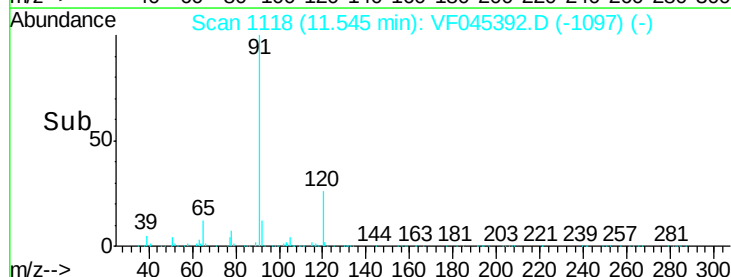
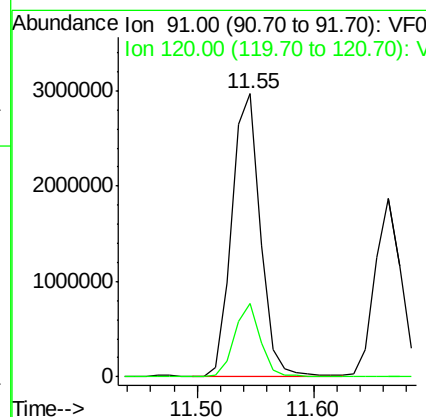
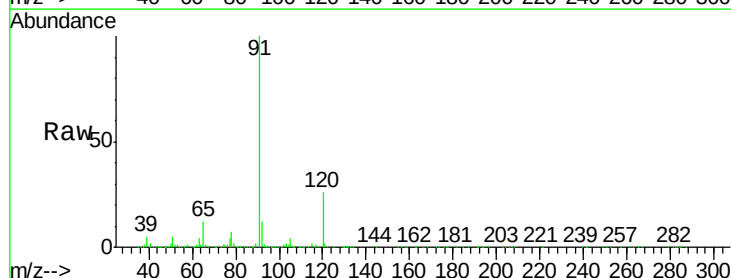
Manual Integrations
APPROVED

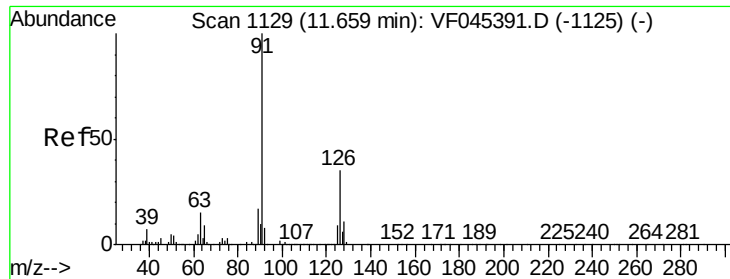
MMDadoda
9/17/2015 12:50:55 PM



#77
n-propylbenzene
Concen: 64.22 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.8	11.6	34.7





#78

2-Chlorotoluene

Concen: 66.65 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 2922844

Ion Ratio Lower Upper

91 100

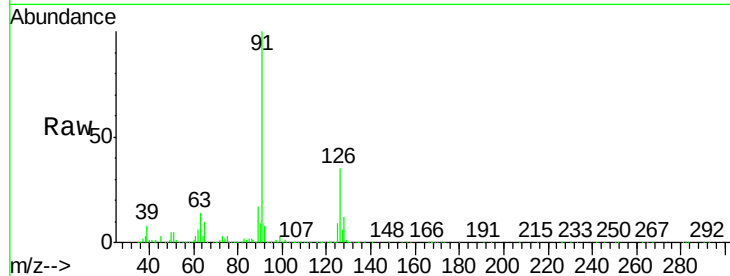
126 35.5 16.9 50.7

Manual Integrations

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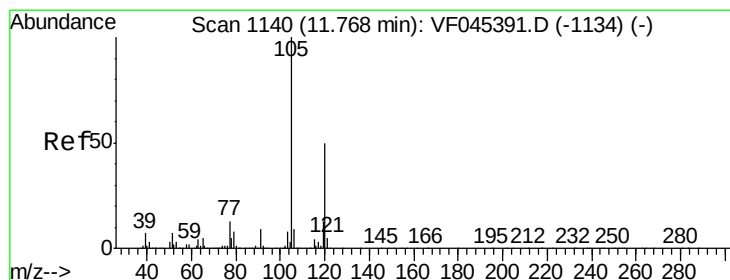
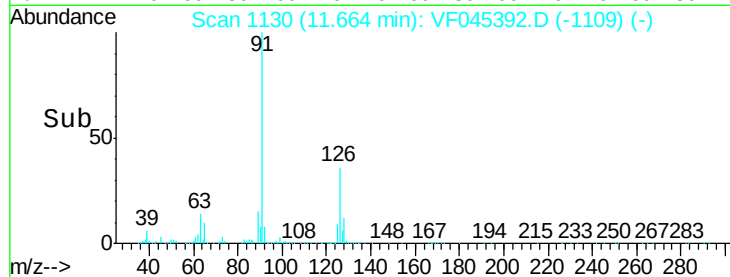
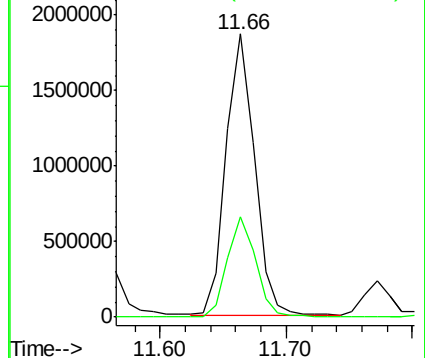
MMDadoda

9/17/2015 12:50:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#79

1,3,5-Trimethylbenzene

Concen: 69.56 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF045392.D

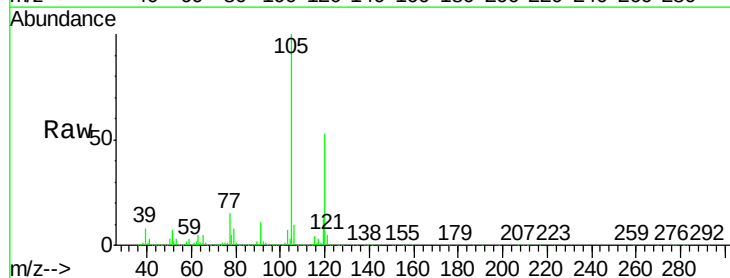
Acq: 16 Sep 2015 15:08

Tgt Ion:105 Resp: 3429037

Ion Ratio Lower Upper

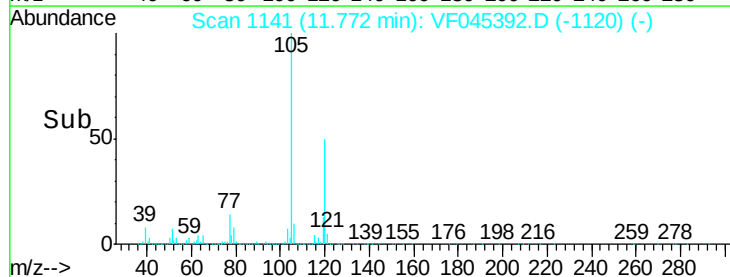
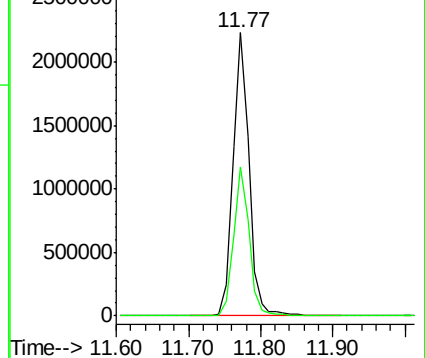
105 100

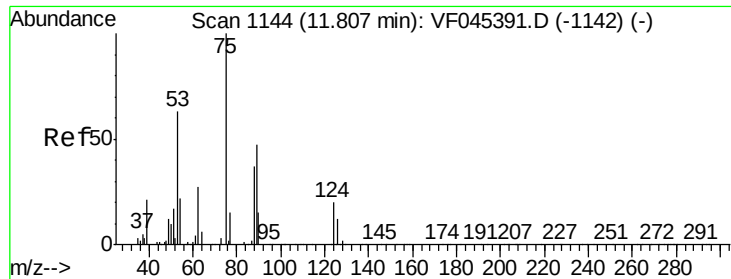
120 52.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





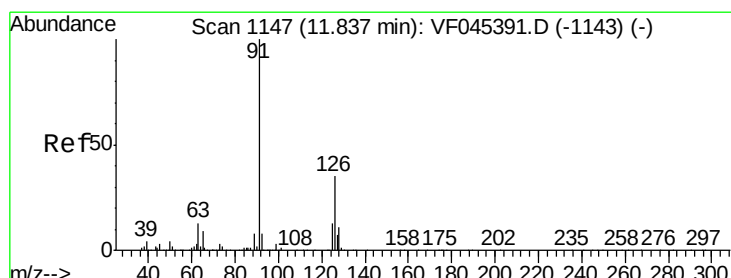
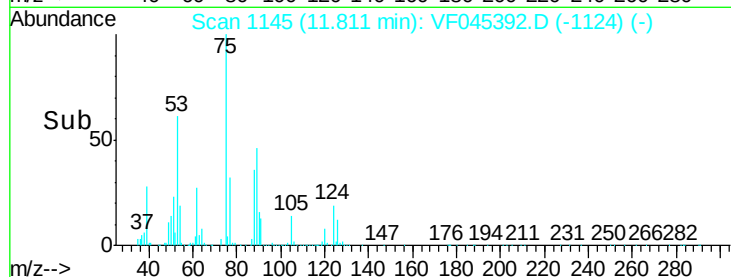
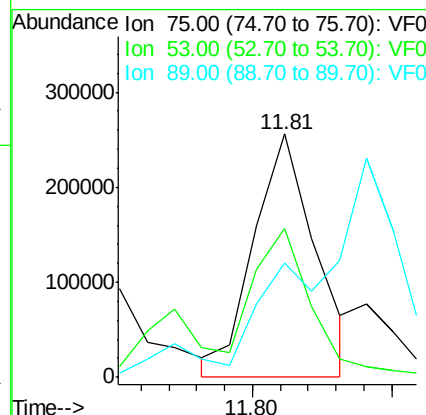
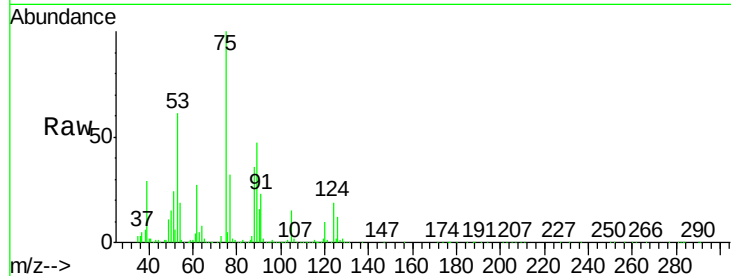
#80
trans-1,4-Dichloro-2-butene
Concen: 75.25 ug/l m
RT: 11.81 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	61.0	51.0	76.6
89	46.8	38.6	57.8

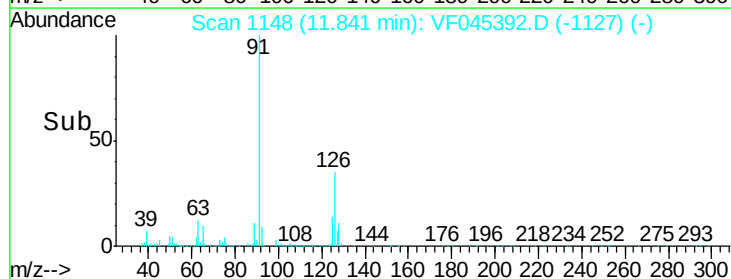
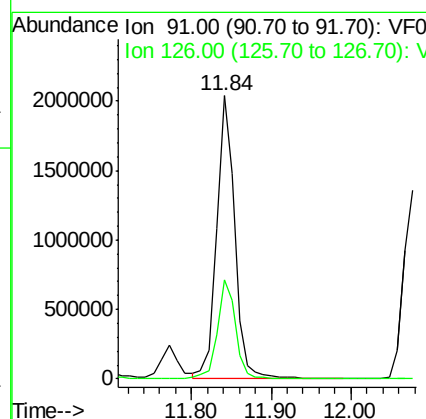
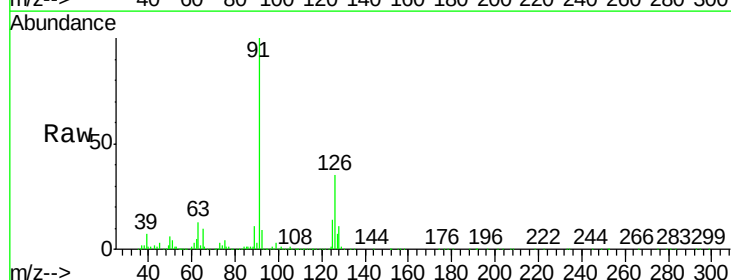
Manual Integrations
APPROVED

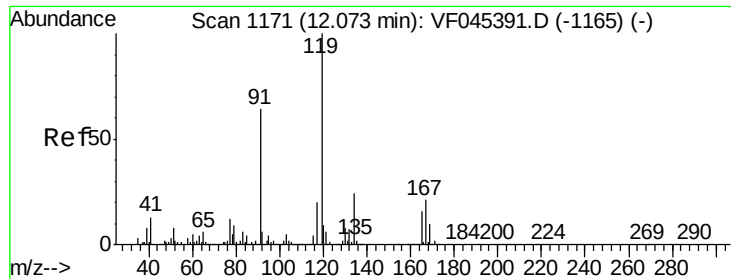
MMDadoda
9/17/2015 12:50:55 PM



#81
4-Chlorotoluene
Concen: 69.02 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	15.8	47.4





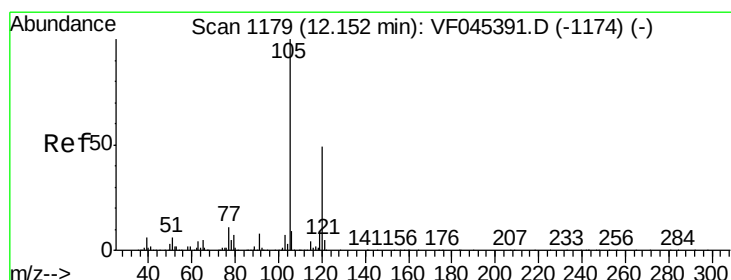
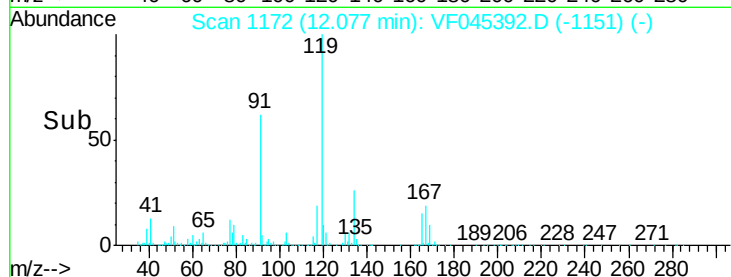
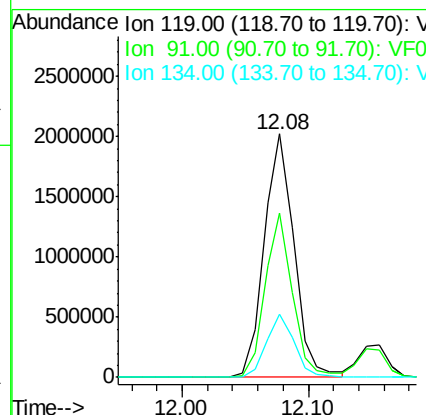
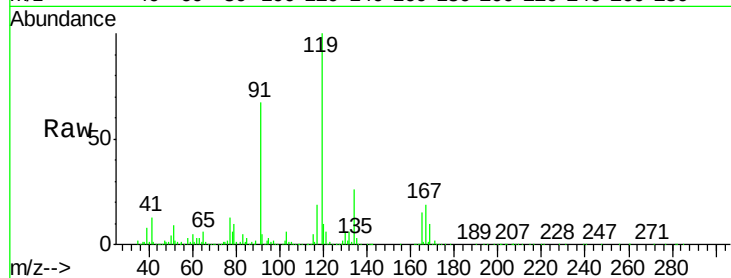
#82
 tert-Butylbenzene
 Concen: 69.98 ug/l
 RT: 12.08 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:119 Resp: 333524
 Ion Ratio Lower Upper
 119 100
 91 67.3 31.1 93.2
 134 26.1 12.2 36.6

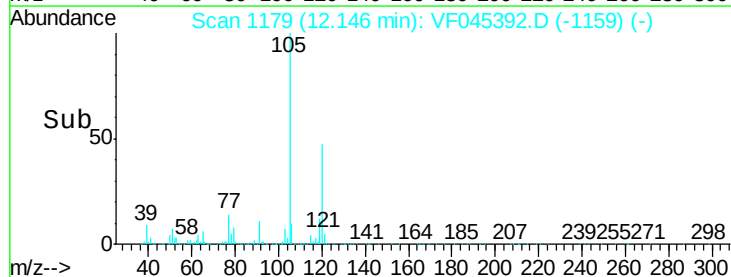
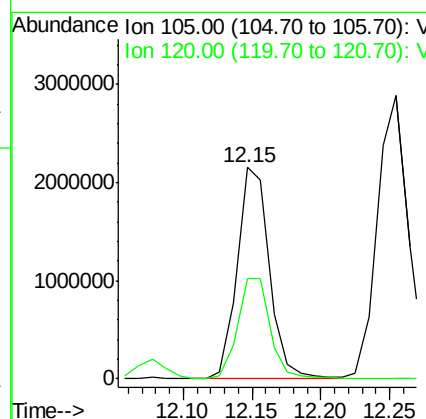
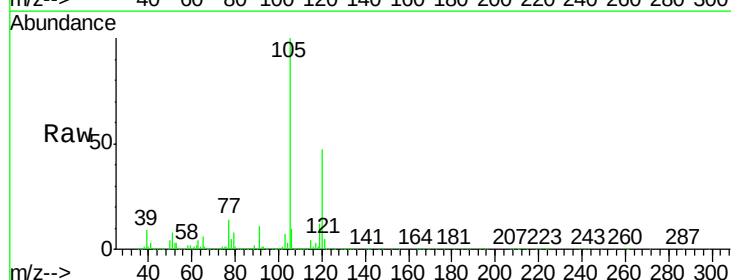
Manual Integrations
 APPROVED

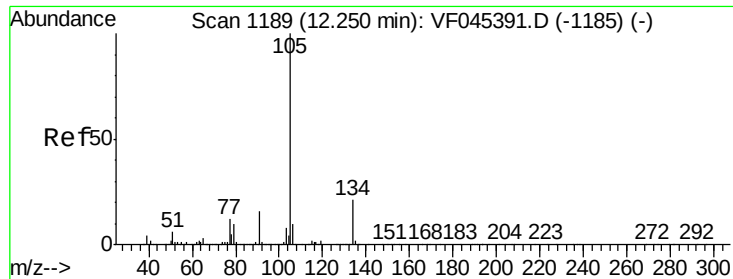
MMDadoda
 9/17/2015 12:50:55 PM



#83
 1,2,4-Trimethylbenzene
 Concen: 70.43 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion:105 Resp: 3510586
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.9 68.7





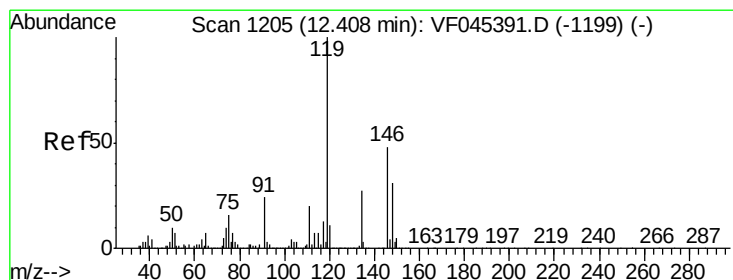
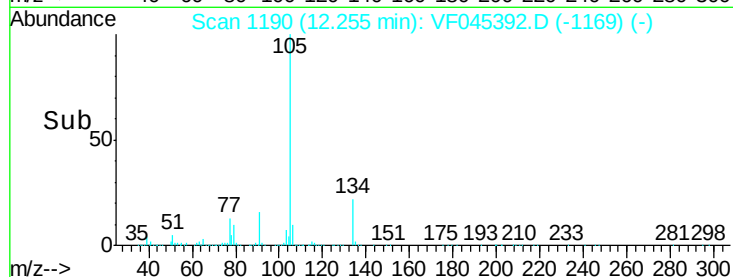
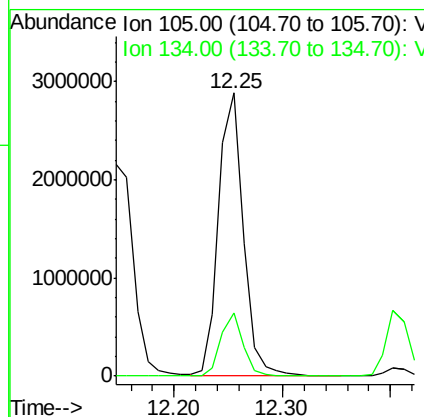
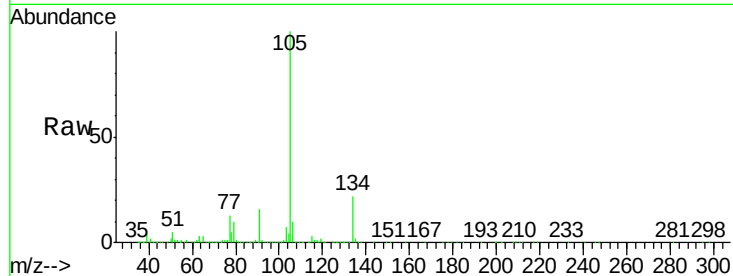
#84
 sec-Butylbenzene
 Concen: 70.01 ug/l
 RT: 12.25 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 4591189
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.5 31.6

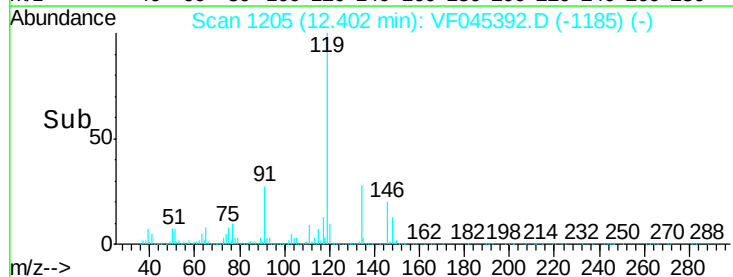
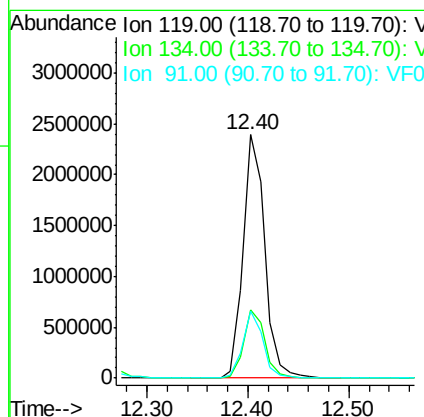
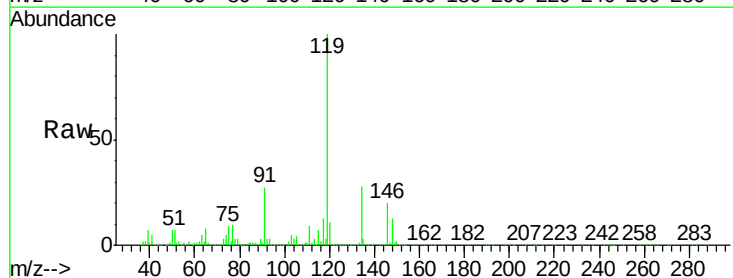
Manual Integrations
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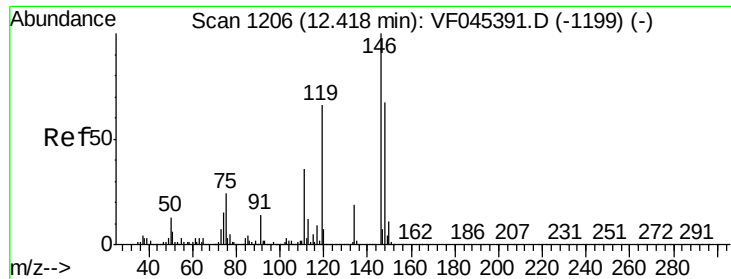
MMDadoda
 9/17/2015 12:50:55 PM



#85
 p-Isopropyltoluene
 Concen: 72.09 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion:119 Resp: 3564680
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.0 38.9
 91 27.4 12.2 36.6





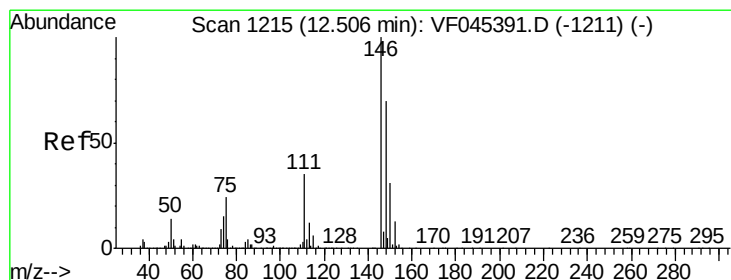
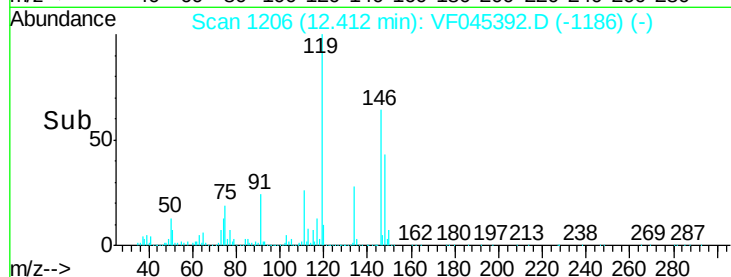
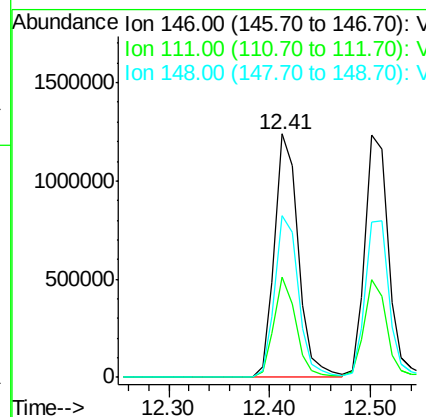
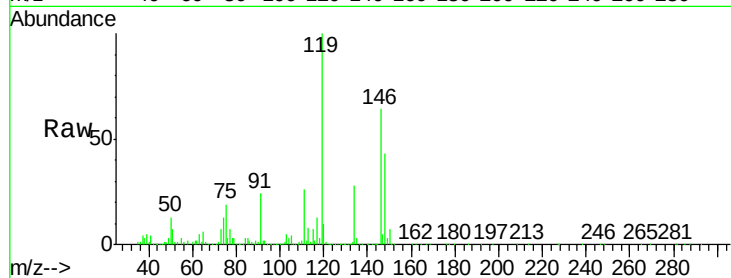
#86
 1,3-Dichlorobenzene
 Concen: 76.33 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.9	59.7
148	66.6	32.5	97.4

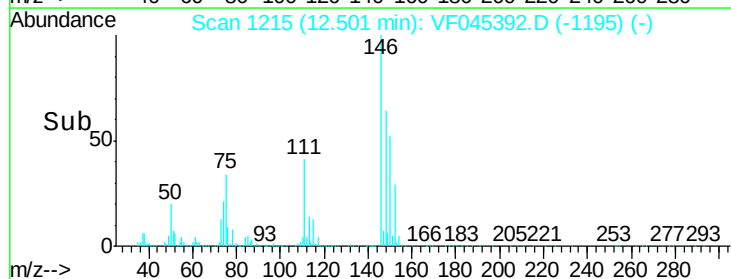
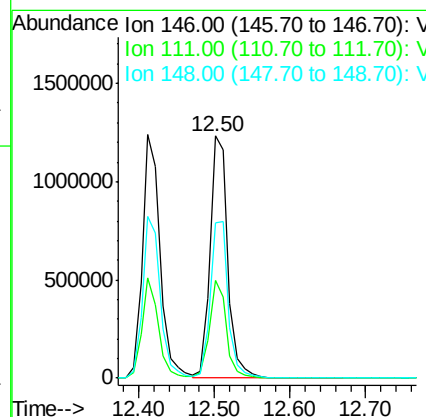
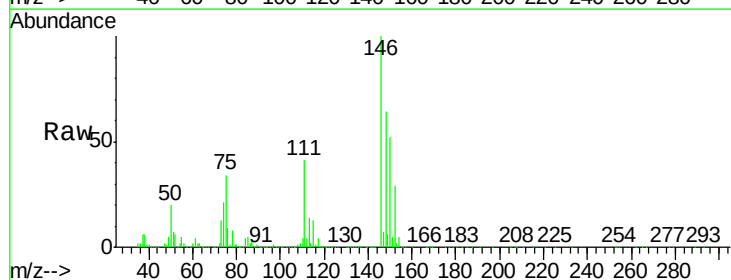
Manual Integrations
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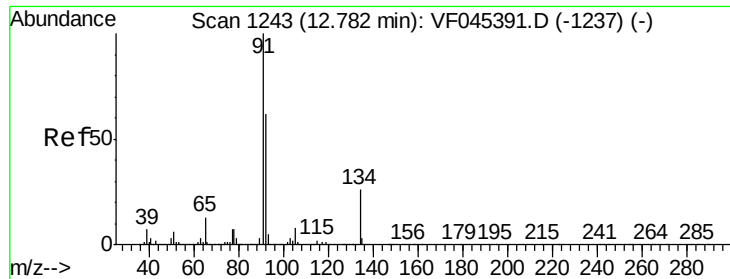
MMDadoda
 9/17/2015 12:50:55 PM



#87
 1,4-Dichlorobenzene
 Concen: 76.07 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	17.3	52.0
148	64.0	32.4	97.0





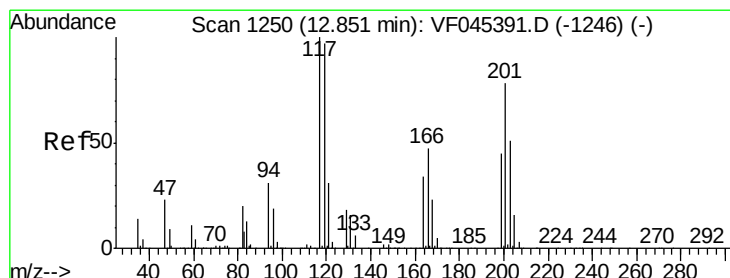
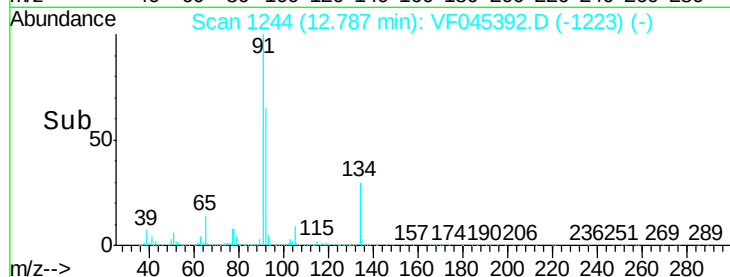
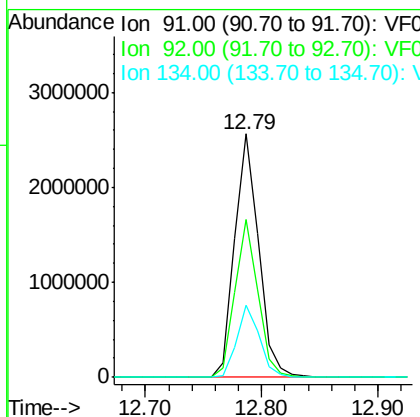
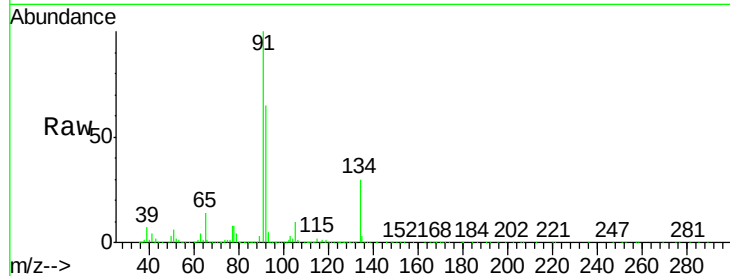
#88
n-Butylbenzene
Concen: 69.59 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.6	30.1	90.5
134	29.5	13.8	41.4

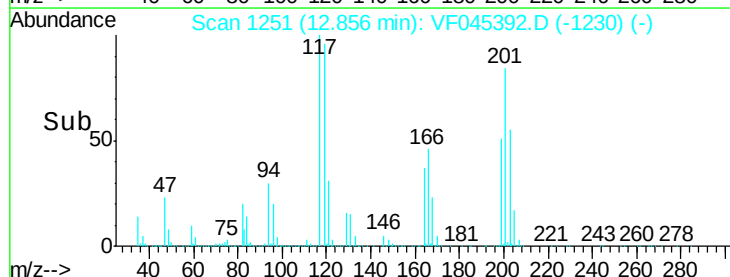
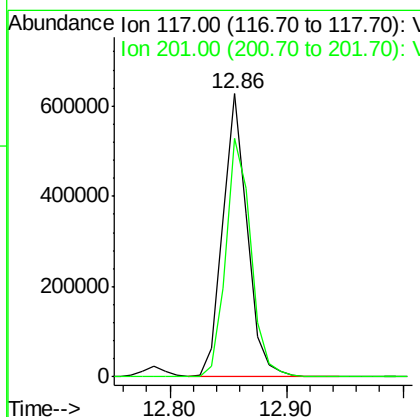
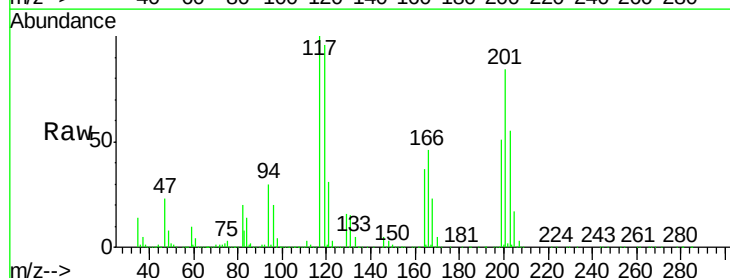
Manual Integrations
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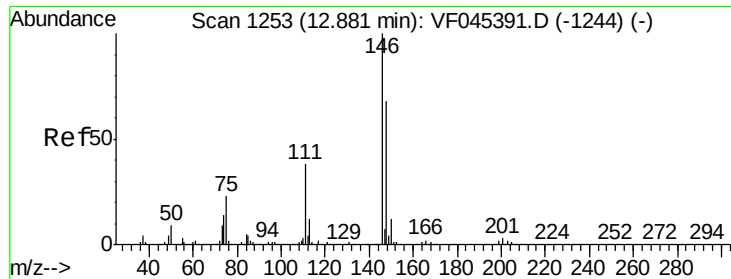
MMDadoda
9/17/2015 12:50:55 PM



#89
Hexachloroethane
Concen: 82.88 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.0	126.1





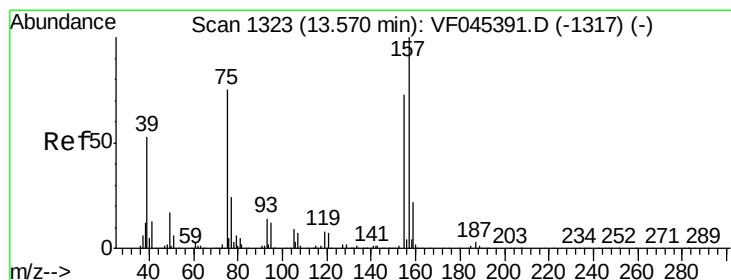
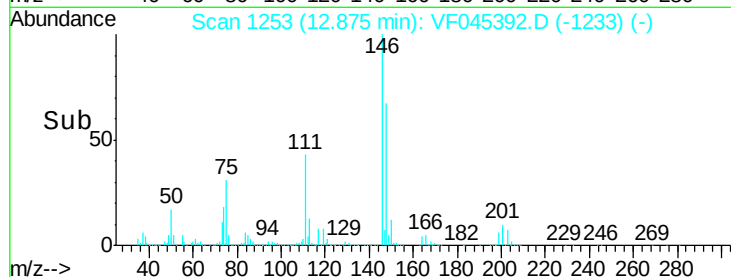
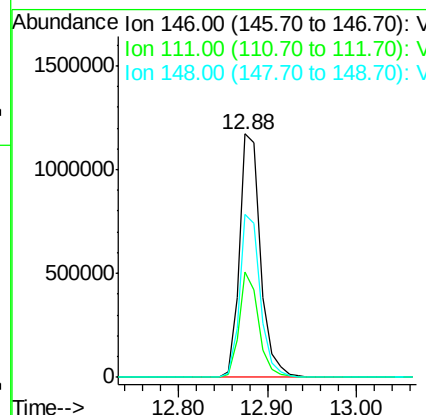
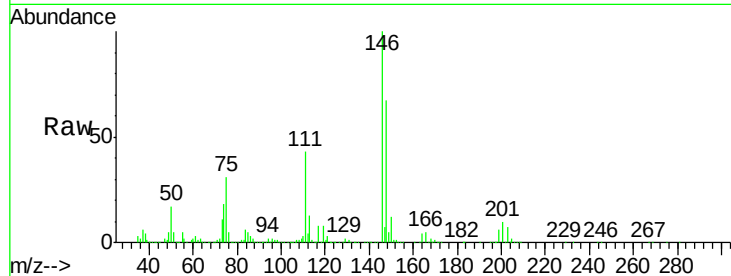
#90
 1,2-Dichlorobenzene
 Concen: 80.63 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	66.7	31.4	94.3

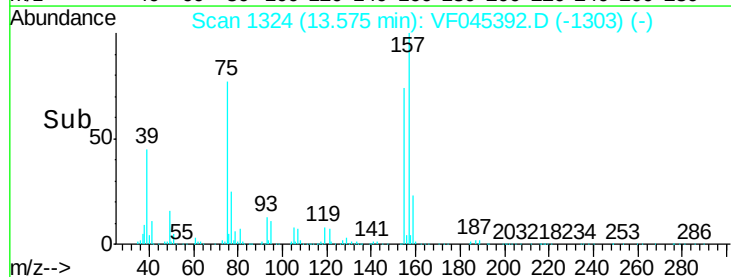
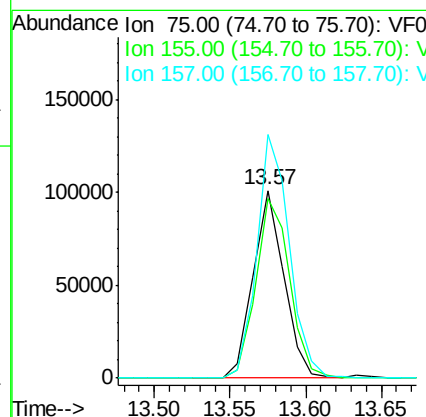
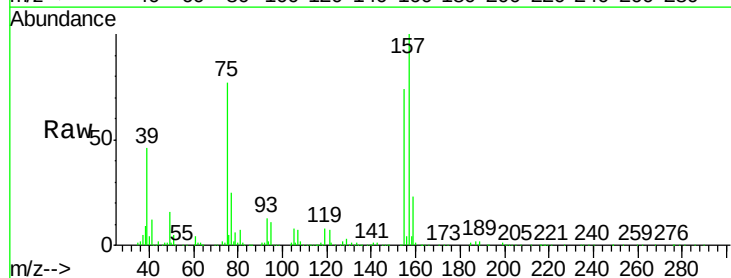
Manual Integrations
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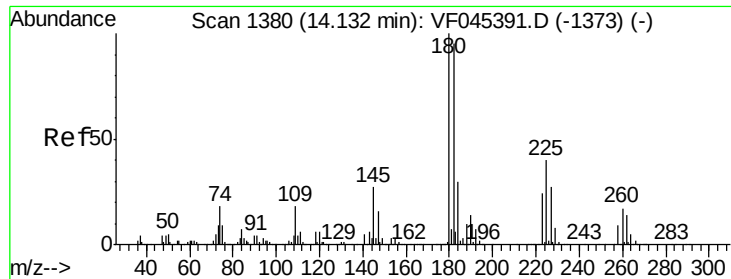
MMDadoda
 9/17/2015 12:50:55 PM



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 82.68 ug/l
 RT: 13.57 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VF045392.D
 Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	49.2	147.6
157	129.6	66.8	200.4





#92

1,2,4-Trichlorobenzene

Concen: 92.25 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:180 Resp: 1203854

Ion Ratio Lower Upper

180 100

182 101.1 49.4 148.0

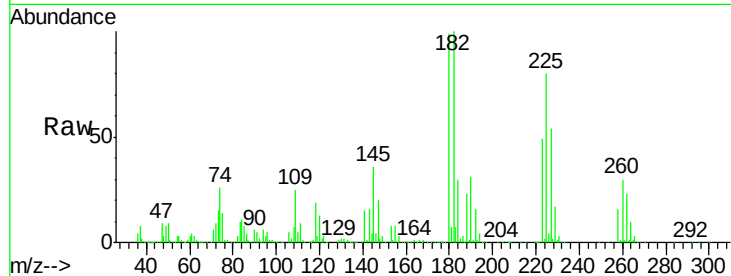
145 36.4 16.7 50.1

Manual Integrations

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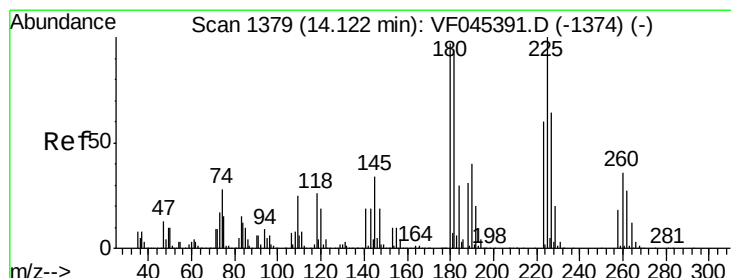
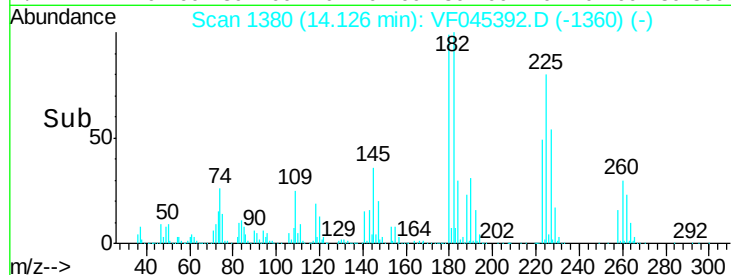
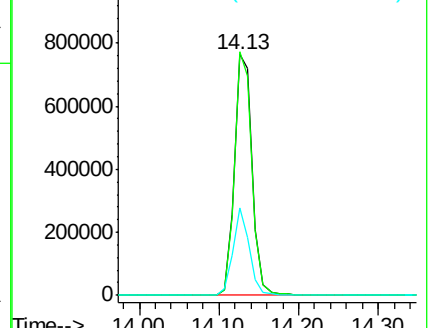
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Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#93

Hexachlorobutadiene

Concen: 87.86 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VF045392.D

Acq: 16 Sep 2015 15:08

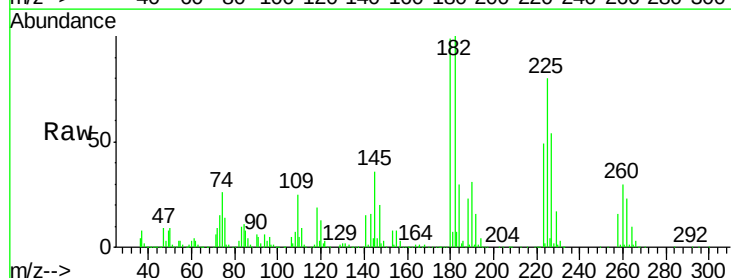
Tgt Ion:225 Resp: 881045

Ion Ratio Lower Upper

225 100

223 62.0 31.9 95.5

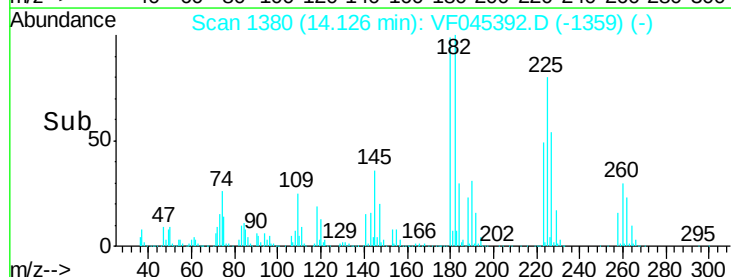
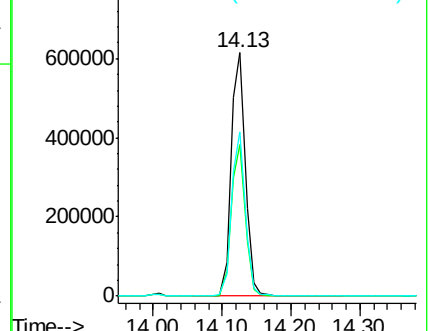
227 67.4 32.9 98.7

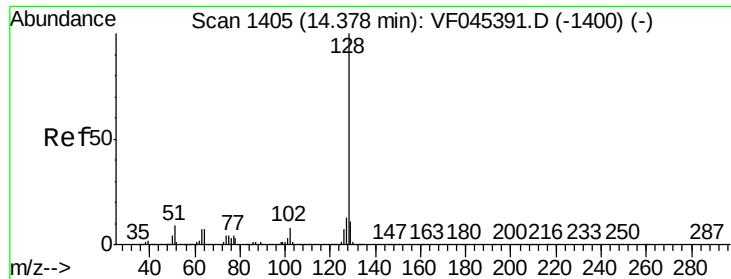


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





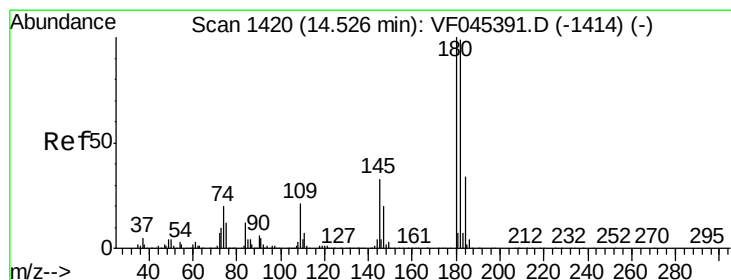
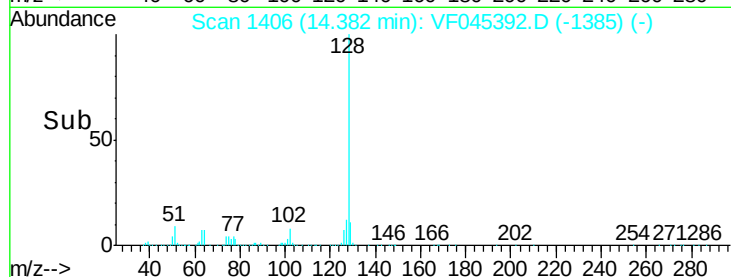
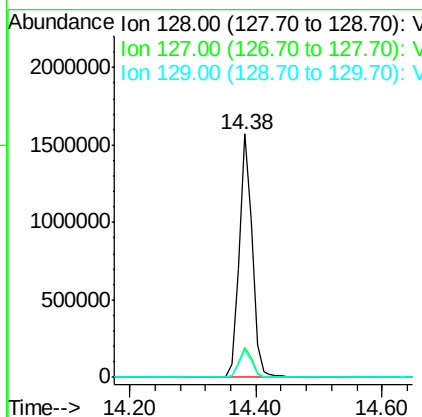
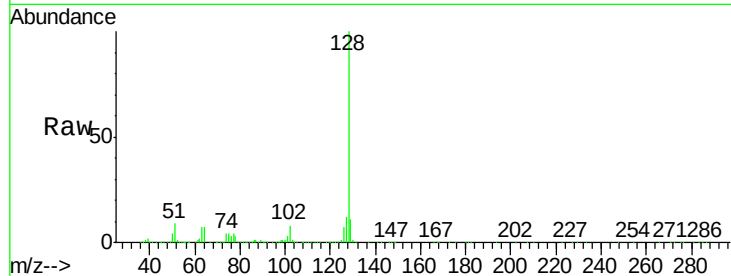
#94
Naphthalene
Concen: 94.50 ug/l
RT: 14.38 min Scan# 1406
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	11.2	8.8	13.2

Manual Integrations
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#95
1,2,3-Trichlorobenzene
Concen: 98.28 ug/l
RT: 14.53 min Scan# 1421
Delta R.T. 0.00 min
Lab File: VF045392.D
Acq: 16 Sep 2015 15:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.8
145	28.4	14.5	43.6

