

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045390.D
 Acq On : 16 Sep 2015 14:12
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:45 PM

Quant Time: Sep 16 15:32:41 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	4.80	168	1115053	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1675865	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.69	117	1637103	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.48	152	915031	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.77	65	227707	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
34) Dibromofluoromethane	4.03	113	248900	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	
49) Toluene-d8	7.49	98	786503	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	
61) 4-Bromofluorobenzene	11.35	95	374503	21.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	188945	20.88	ug/l	91
3) Chloromethane	1.02	50	162367	16.33	ug/l	96
4) Vinyl Chloride	1.09	62	140639	18.34	ug/l	96
5) Bromomethane	1.25	94	81227	21.70	ug/l	94
6) Chloroethane	1.32	64	46532	18.27	ug/l	95
7) Trichlorofluoromethane	1.39	101	277522m	22.24	ug/l	
8) Diethyl Ether	1.59	74	52834	16.79	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.77	101	164967	20.63	ug/l	95
10) Methyl Iodide	1.80	142	318380	20.28	ug/l	96
11) Tert butyl alcohol	2.50	59	16949	127.05	ug/l #	82
12) 1,1-Dichloroethene	1.71	96	134325	20.11	ug/l	90
13) Acrolein	1.95	56	53130	76.28	ug/l	98
14) Allyl chloride	2.05	41	197944	15.88	ug/l	94
15) Acrylonitrile	2.88	53	124700	77.08	ug/l #	90
16) Acetone	2.18	43	230964	80.24	ug/l	99
17) Carbon Disulfide	1.72	76	449165	20.26	ug/l	100
18) Methyl Acetate	2.29	43	186836m	14.15	ug/l	
19) Methyl tert-butyl Ether	2.38	73	116840	22.37	ug/l #	88
20) Methylene Chloride	2.13	84	156217	20.70	ug/l	92
21) trans-1,2-Dichloroethene	2.26	96	148009	19.13	ug/l	87
22) Diisopropyl ether	2.74	45	434566	15.93	ug/l	98
23) Vinyl Acetate	3.12	43	631975	75.93	ug/l	99
24) 1,1-Dichloroethane	2.81	63	292368	18.00	ug/l	99
25) 2-Butanone	4.25	43	356619	72.24	ug/l #	90
26) 2,2-Dichloropropane	3.53	77	292715	20.73	ug/l	94
27) cis-1,2-Dichloroethene	3.41	96	228638	18.69	ug/l	99
28) Bromochloromethane	3.64	49	122307	14.39	ug/l #	96
29) Chloroform	3.77	83	419381	19.47	ug/l	95
30) Cyclohexane	3.64	56	261315	15.39	ug/l	96
31) 1,1,1-Trichloroethane	4.02	97	339849	20.36	ug/l	96
35) 1,1-Dichloropropene	4.20	75	308374	19.33	ug/l	95
36) Ethyl Acetate	4.03	43	143897	15.02	ug/l #	50
37) Carbon Tetrachloride	3.91	117	306092	22.33	ug/l	96
38) Methylcyclohexane	5.39	83	337360	19.58	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	729984	18.25	ug/l	98
40) Methacrylonitrile	4.67	41	70740	15.59	ug/l	97
41) 1,2-Dichloroethane	4.87	62	285087	21.22	ug/l	100
42) Isopropyl Acetate	6.90	43	205244	15.84	ug/l #	99
43) Trichloroethene	5.44	130	260523	22.68	ug/l	100
44) 1,2-Dichloropropane	6.17	63	220241	18.29	ug/l	97
45) Dibromomethane	6.01	93	150894	20.15	ug/l	99
46) Bromodichloromethane	6.32	83	336789	21.24	ug/l	95
47) Methyl methacrylate	6.65	41	128352	16.99	ug/l	88
48) 1,4-Dioxane	6.64	88	27088	352.29	ug/l	95
50) 4-Methyl-2-Pentanone	8.19	43	714257	76.54	ug/l	94
51) Toluene	7.56	92	572025	20.87	ug/l	100
52) t-1,3-Dichloropropene	8.21	75	298029	19.59	ug/l	91
53) cis-1,3-Dichloropropene	7.23	75	363707	19.57	ug/l	92
54) 1,1,2-Trichloroethane	8.41	97	185930	19.57	ug/l	98
55) Ethyl methacrylate	8.55	69	248182	18.76	ug/l	95
56) 1,3-Dichloropropane	8.78	76	326818	19.87	ug/l	91
58) 2-Hexanone	9.42	43	587716	79.44	ug/l	99
59) Dibromochloromethane	8.64	129	259441	21.65	ug/l	99
60) 1,2-Dibromoethane	8.91	107	217497	20.35	ug/l	91
63) Tetrachloroethene	8.09	164	250496	22.35	ug/l	95
64) Chlorobenzene	9.72	112	677417	20.15	ug/l	100
65) 1,1,1,2-Tetrachloroethane	9.85	131	237267	20.55	ug/l	95
66) Ethyl Benzene	9.82	91	1174952	19.68	ug/l	98
67) m/p-Xylenes	10.06	106	855555	41.34	ug/l	95
68) o-Xylene	10.65	106	439287	20.26	ug/l	97
69) Styrene	10.72	104	681560	19.61	ug/l	98
70) Bromoform	10.70	173	176218	21.55	ug/l	97
72) Isopropylbenzene	11.06	105	1293402	19.31	ug/l	100
73) N-amyl acetate	11.32	43	334575	14.45	ug/l #	90
74) 1,1,2,2-Tetrachloroethane	11.63	83	279762	17.40	ug/l	95
75) 1,2,3-Trichloropropane	11.73	75	179630	15.52	ug/l	95
76) Bromobenzene	11.43	156	346775	20.12	ug/l	100
77) n-propylbenzene	11.54	91	1611487	18.76	ug/l	97
78) 2-Chlorotoluene	11.65	91	874946	18.34	ug/l	100
79) 1,3,5-Trimethylbenzene	11.76	105	1022719	19.08	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.80	75	95841m	16.97	ug/l	
81) 4-Chlorotoluene	11.84	91	932519	18.24	ug/l	97
82) tert-Butylbenzene	12.07	119	1037477	20.01	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	1075751	19.84	ug/l	98
84) sec-Butylbenzene	12.25	105	1421935	19.94	ug/l	96
85) p-Isopropyltoluene	12.40	119	1096592	20.39	ug/l	98
86) 1,3-Dichlorobenzene	12.41	146	596695	20.70	ug/l	97
87) 1,4-Dichlorobenzene	12.50	146	571804	19.87	ug/l	97
88) n-Butylbenzene	12.78	91	1130611	19.75	ug/l	96
89) Hexachloroethane	12.85	117	243402	20.49	ug/l	82
90) 1,2-Dichlorobenzene	12.88	146	554802	21.14	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.57	75	33683	17.74	ug/l	83
92) 1,2,4-Trichlorobenzene	14.13	180	301338	21.23	ug/l	98
93) Hexachlorobutadiene	14.12	225	239854	21.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	513838	20.53	ug/l	99
95) 1,2,3-Trichlorobenzene	14.52	180	237408	20.74	ug/l	99

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

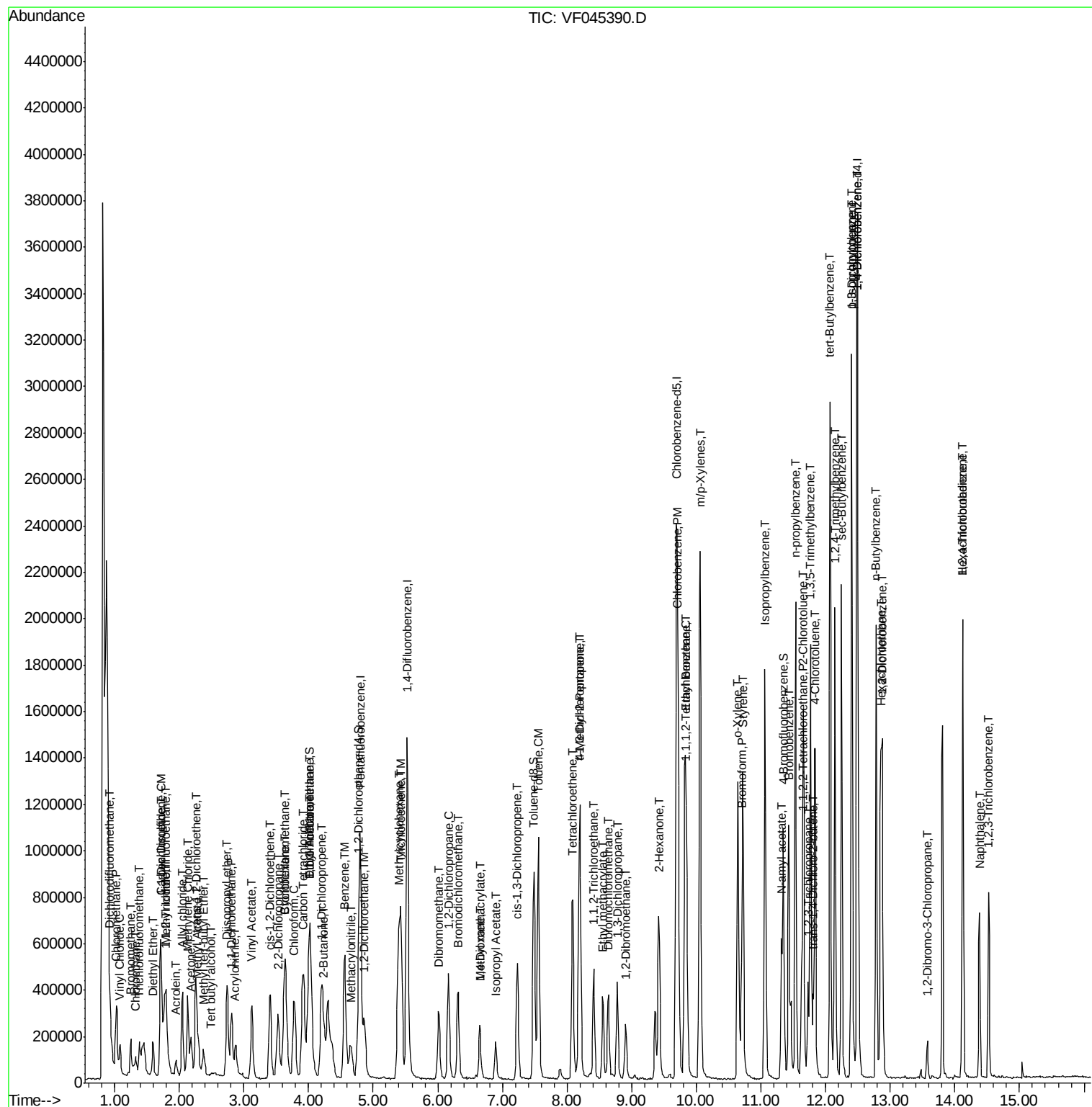
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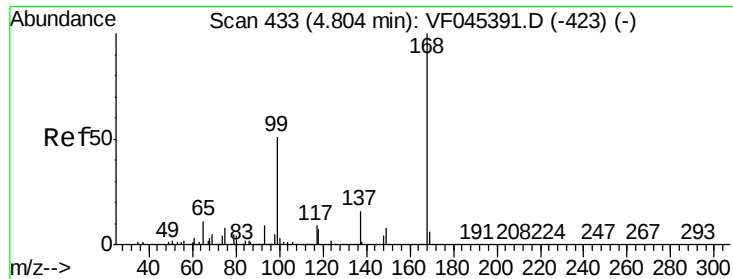
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1115053

Ion Ratio Lower Upper

168 100

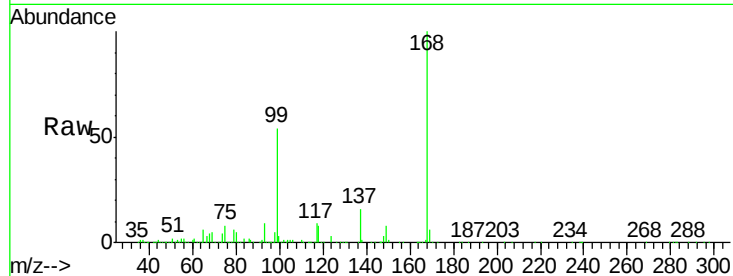
99 54.2 39.0 58.4

Manual Integrations

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9/17/2015 12:50:45 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.80

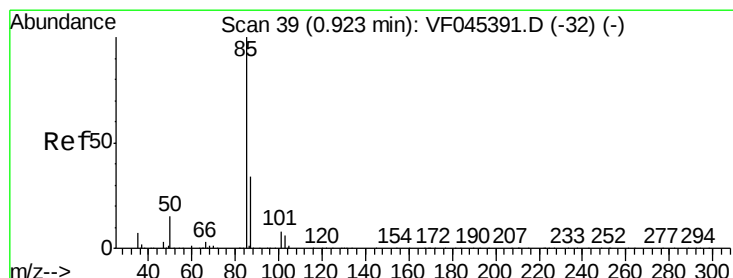
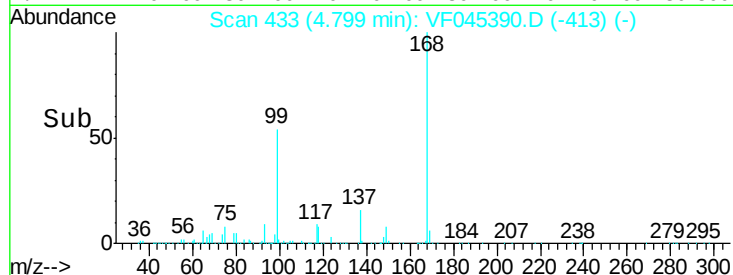
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 20.88 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.01 min

Lab File: VF045390.D

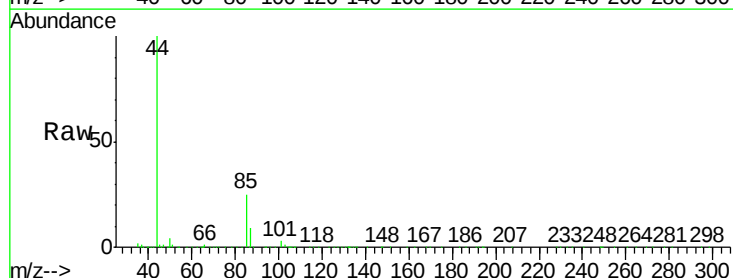
Acq: 16 Sep 2015 14:12

Tgt Ion: 85 Resp: 188945

Ion Ratio Lower Upper

85 100

87 36.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

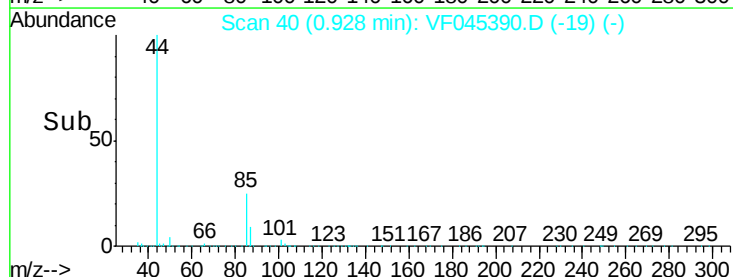
60000

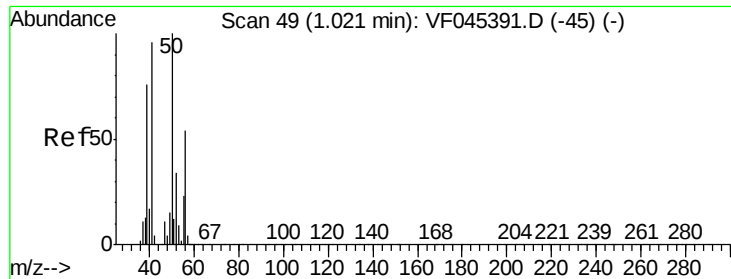
40000

20000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 16.33 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 162367

Ion Ratio Lower Upper

50 100

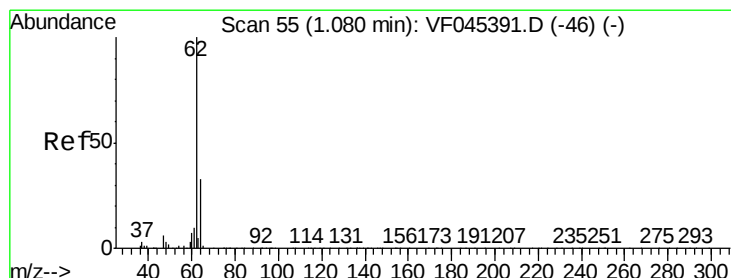
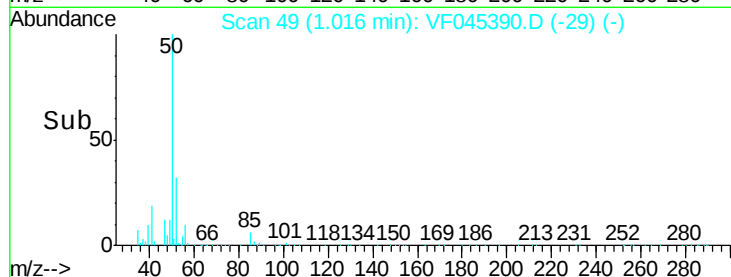
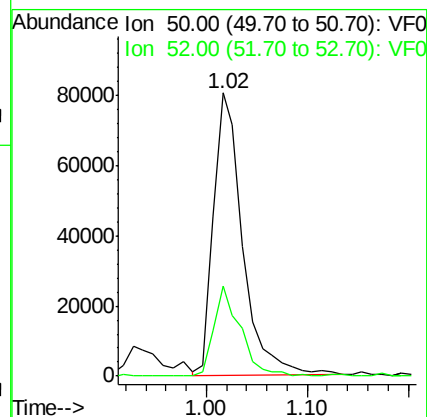
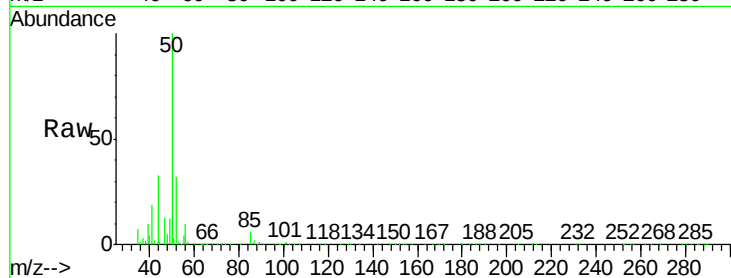
52 31.8 23.8 35.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.34 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF045390.D

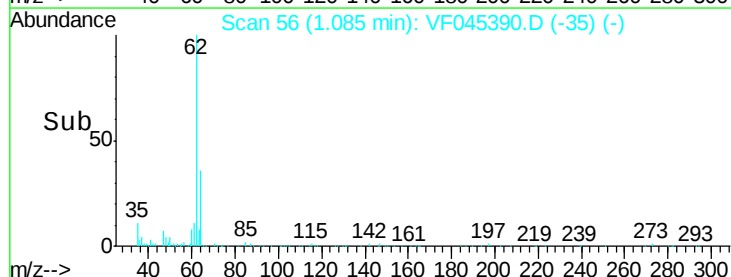
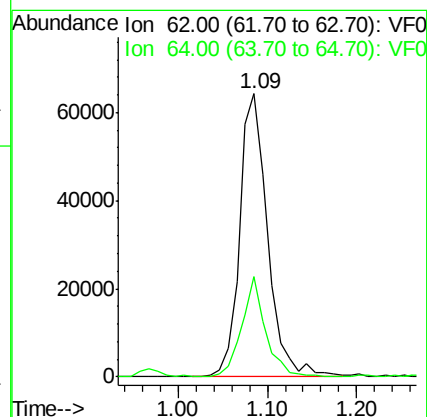
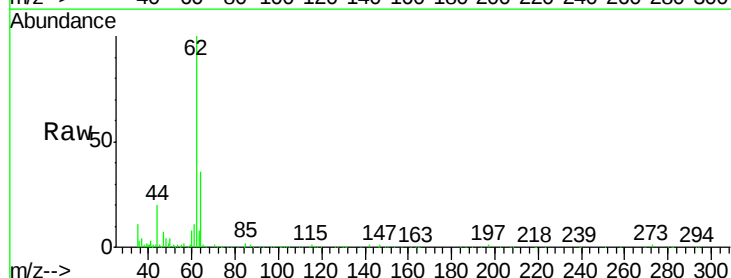
Acq: 16 Sep 2015 14:12

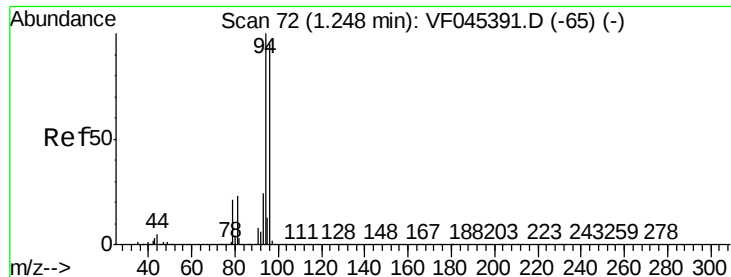
Tgt Ion: 62 Resp: 140639

Ion Ratio Lower Upper

62 100

64 35.5 26.6 39.8





#5

Bromomethane

Concen: 21.70 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 81227

Ion Ratio Lower Upper

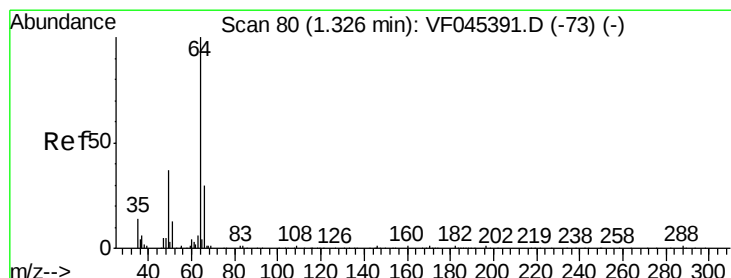
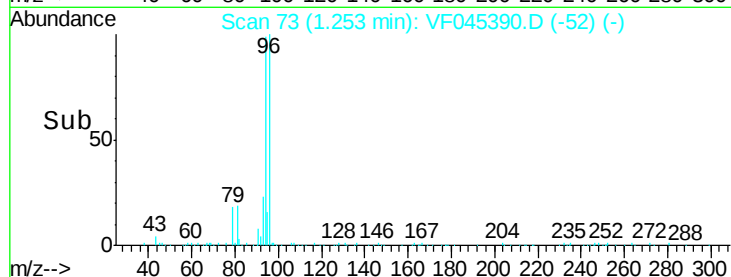
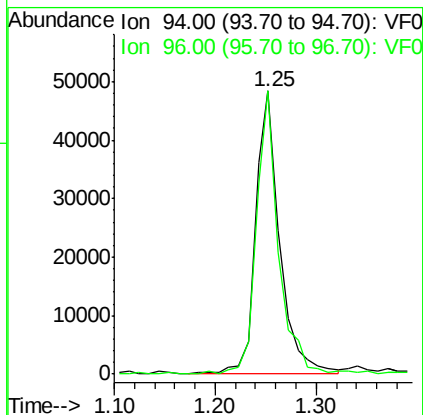
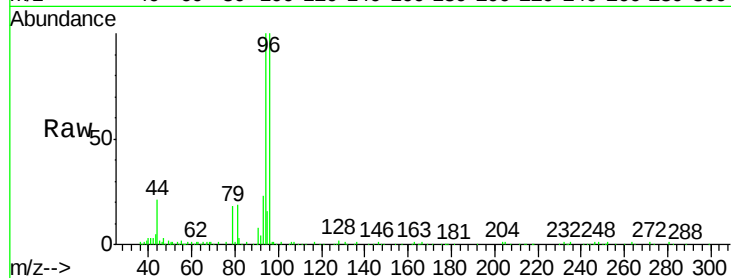
94 100

96 99.9 75.0 112.4

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#6

Chloroethane

Concen: 18.27 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF045390.D

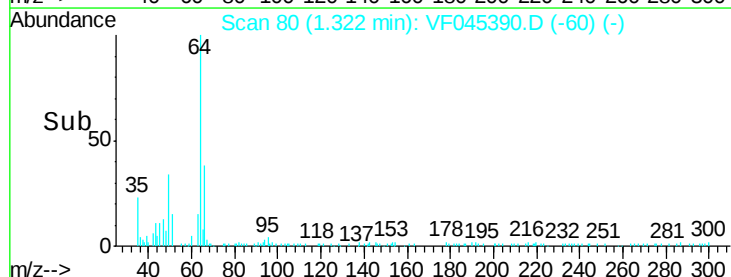
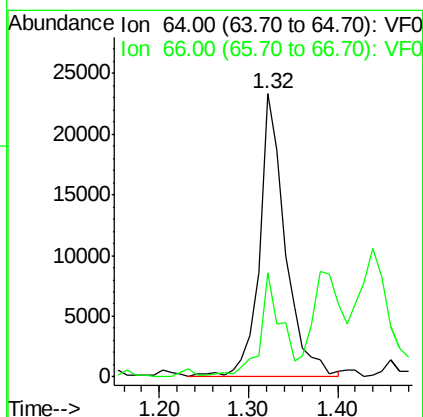
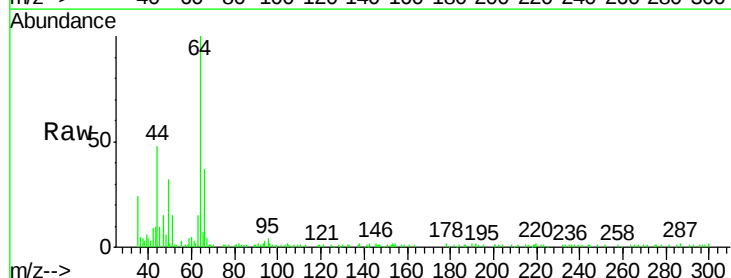
Acq: 16 Sep 2015 14:12

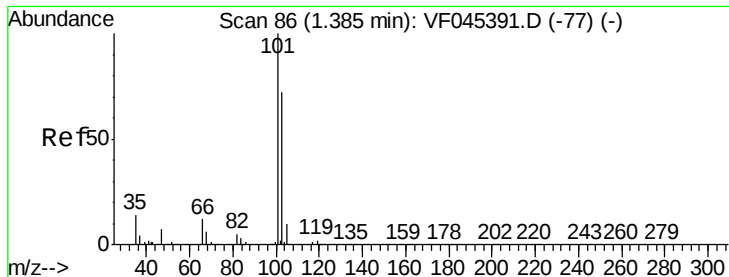
Tgt Ion: 64 Resp: 46532

Ion Ratio Lower Upper

64 100

66 36.9 27.3 40.9





#7

Trichlorofluoromethane

Concen: 22.24 ug/l m

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:101 Resp: 277522

Ion Ratio Lower Upper

101 100

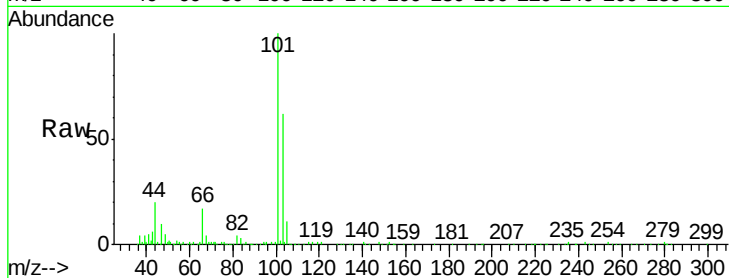
103 62.5 50.8 76.2

Manual Integrations

APPROVED

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

60000

50000

40000

30000

20000

10000

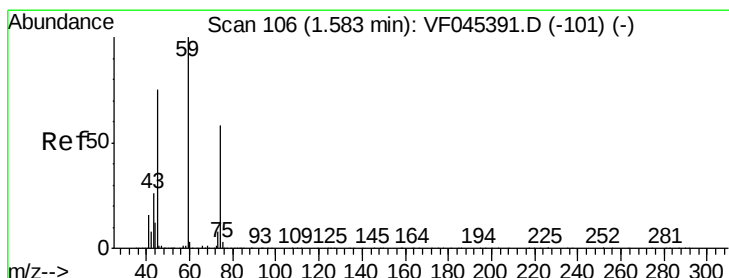
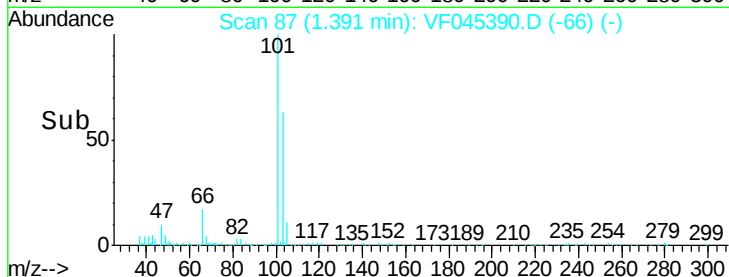
0

1.20

1.40

1.60

Time-->



#8

Diethyl Ether

Concen: 16.79 ug/l

RT: 1.59 min Scan# 107

Delta R.T. 0.00 min

Lab File: VF045390.D

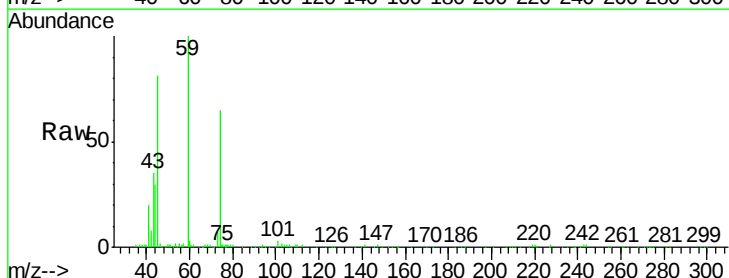
Acq: 16 Sep 2015 14:12

Tgt Ion: 74 Resp: 52834

Ion Ratio Lower Upper

74 100

45 124.8 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

40000

30000

20000

10000

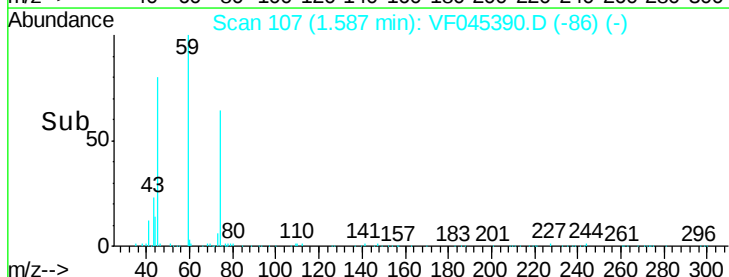
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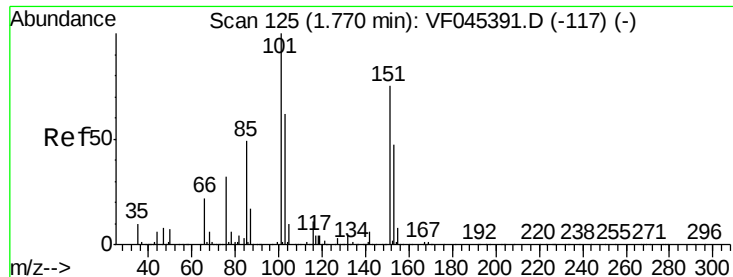
1.50

1.60

1.70

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.63 ug/l

RT: 1.77 min Scan# 126

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

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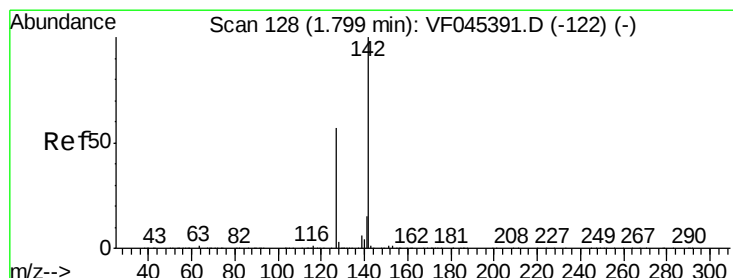
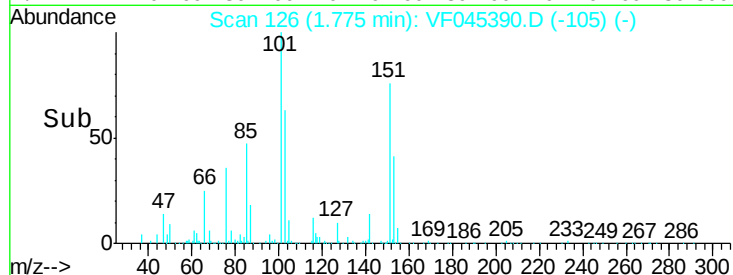
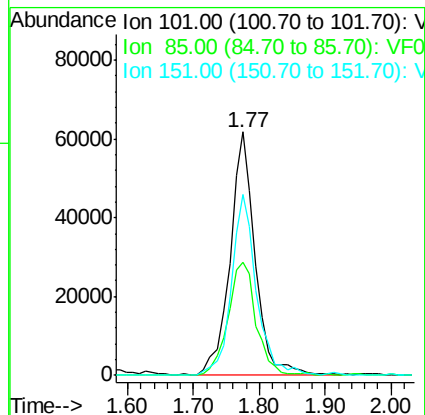
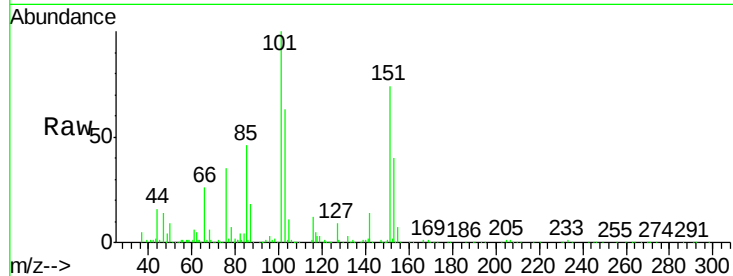
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	164967
Ion Ratio		Lower	Upper
101	100		
85	46.4	40.0	60.0
151	74.2	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.28 ug/l

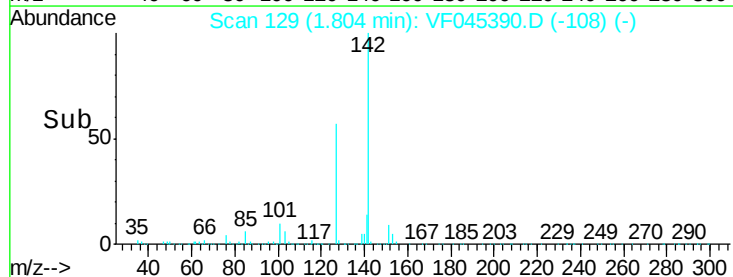
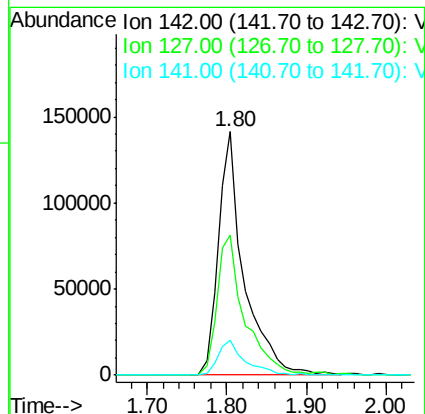
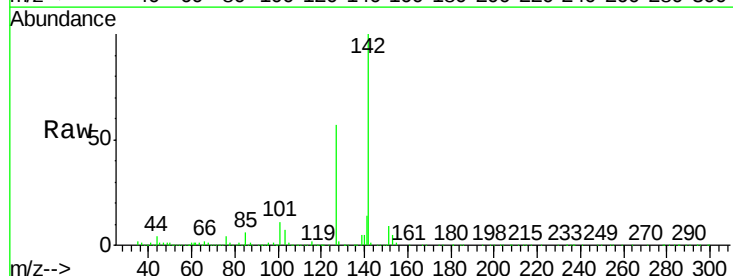
RT: 1.80 min Scan# 129

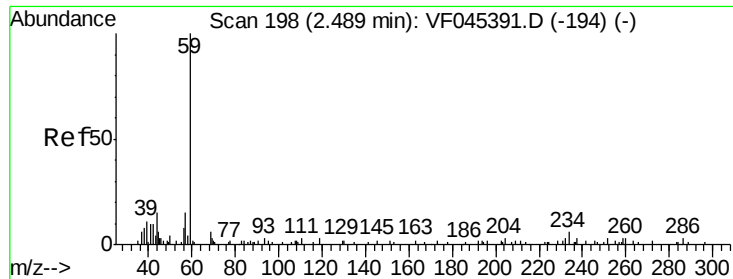
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	142	Resp:	318380
Ion Ratio		Lower	Upper
142	100		
127	57.2	43.3	64.9
141	14.3	12.1	18.1





#11

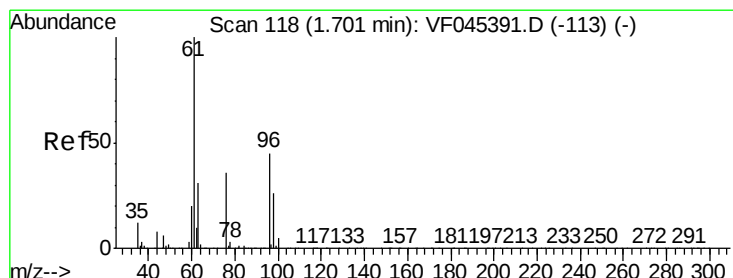
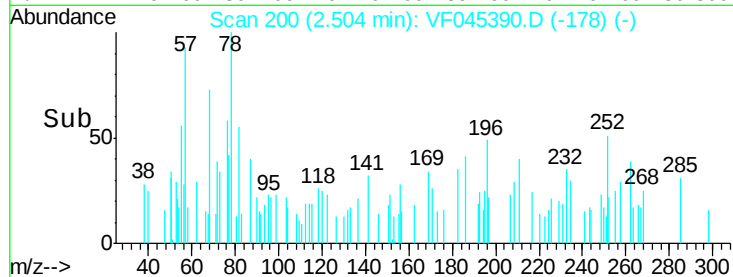
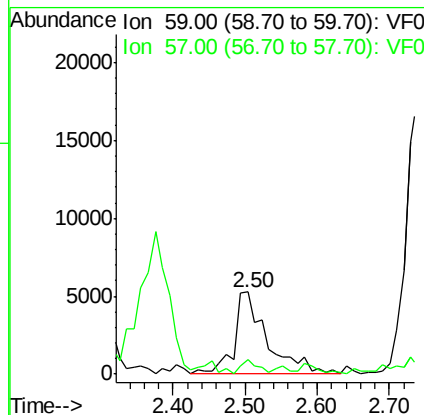
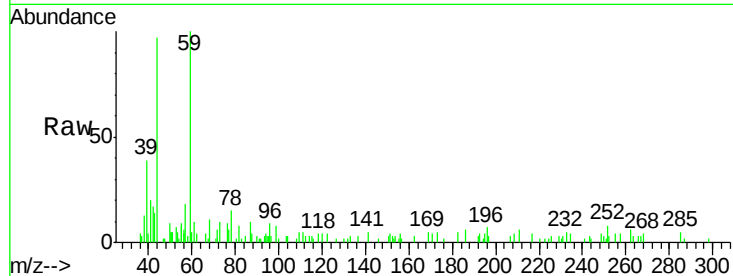
Tert butyl alcohol
Concen: 127.05 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	16949		
57	57	17.5	8.6	13.0	#

Manual Integrations
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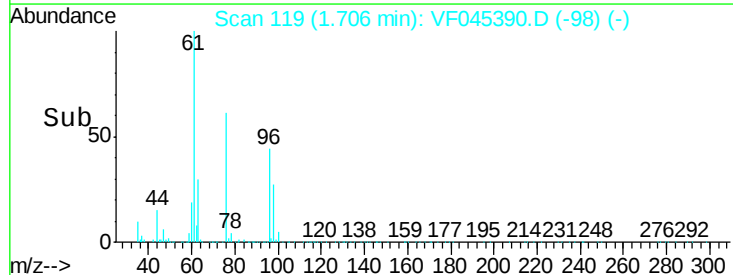
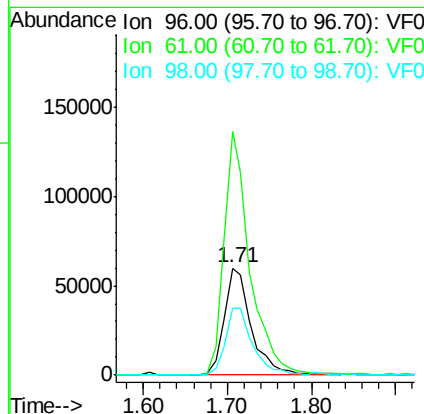
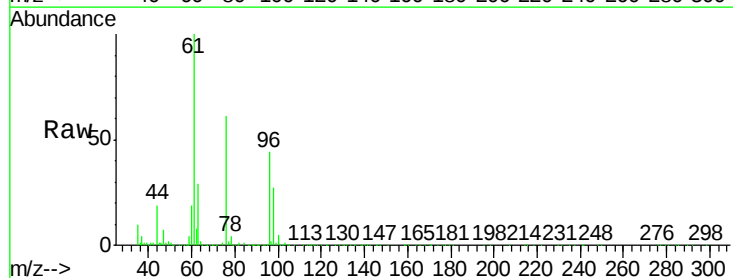
MMDadoda
9/17/2015 12:50:45 PM

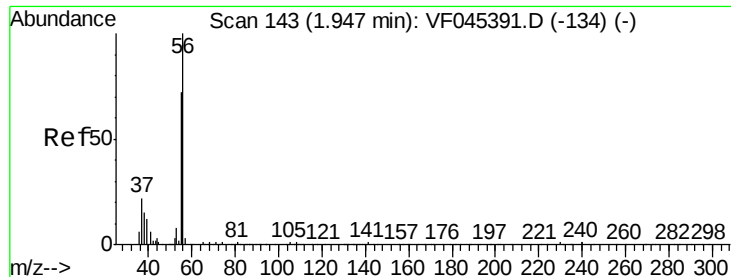


#12

1,1-Dichloroethene
Concen: 20.11 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	134325		
61	61	227.2	165.8	248.8	
98	98	62.3	51.2	76.8	





#13

Acrolein

Concen: 76.28 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 53130

Ion Ratio Lower Upper

56 100

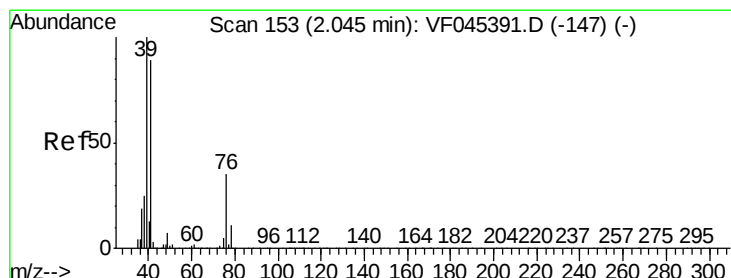
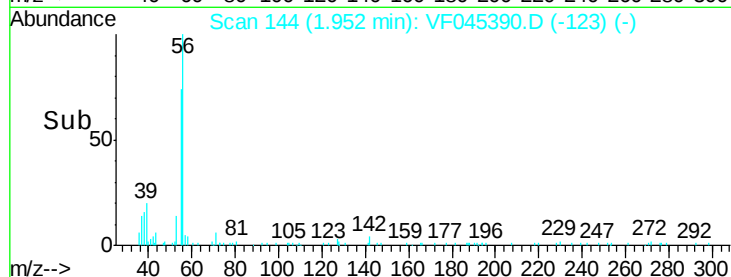
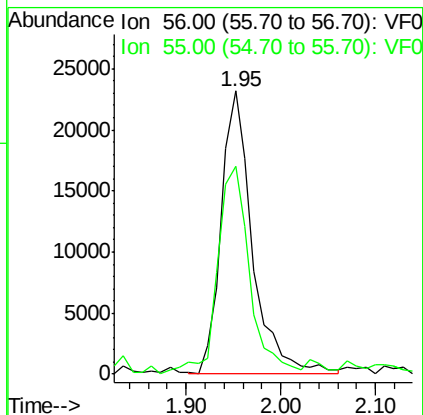
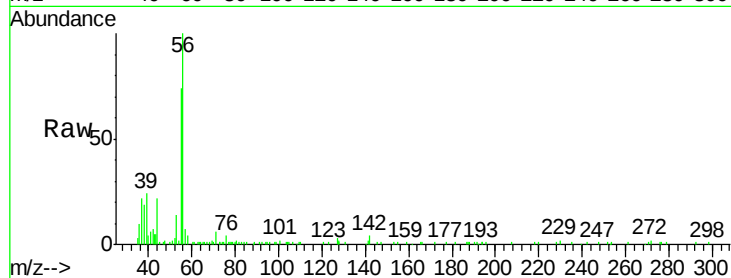
55 73.6 60.5 90.7

Manual Integrations

APPROVED

MMDadoda

9/17/2015 12:50:45 PM



#14

Allyl chloride

Concen: 15.88 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

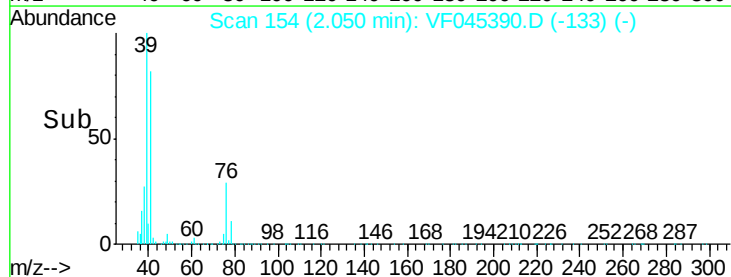
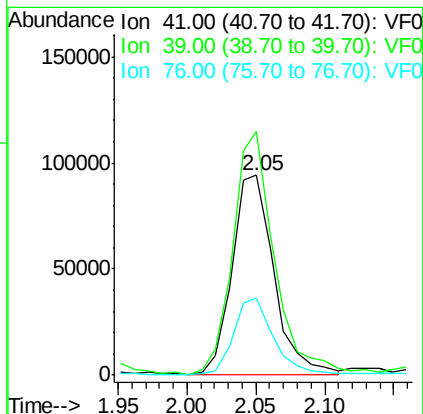
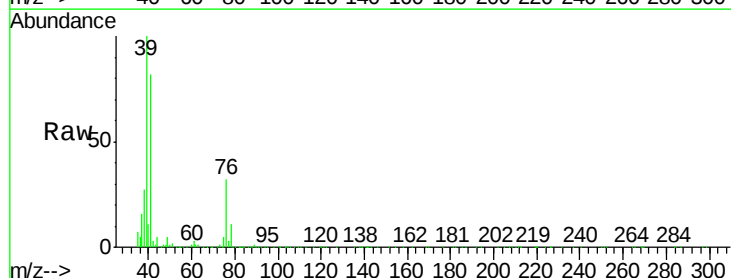
Tgt Ion: 41 Resp: 197944

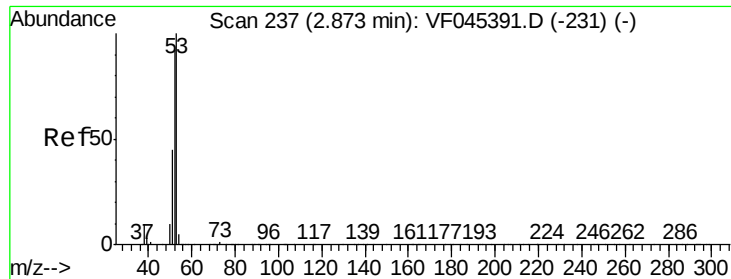
Ion Ratio Lower Upper

41 100

39 121.7 92.8 139.2

76 38.5 27.7 41.5





#15

Acrylonitrile

Concen: 77.08 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

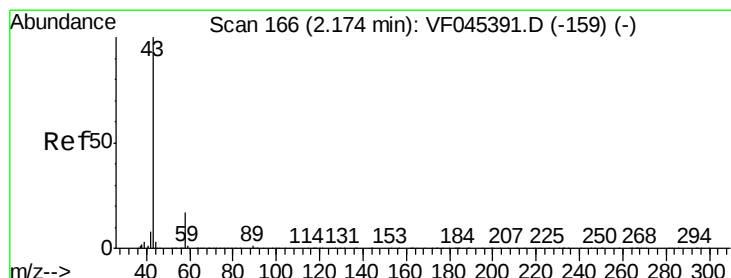
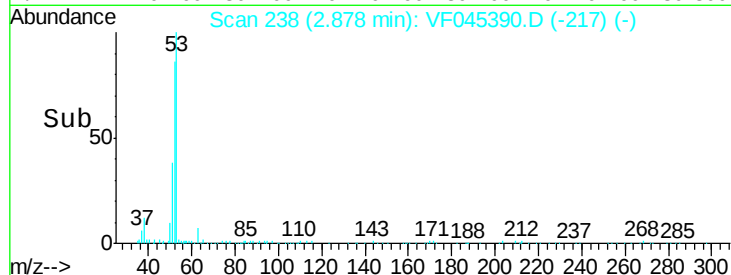
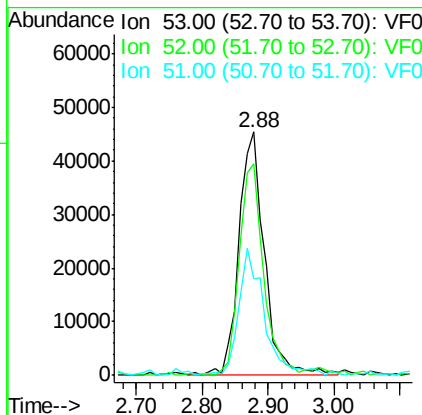
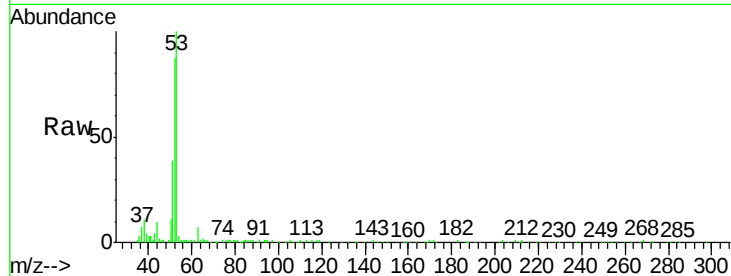
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	124700
Ion Ratio	Lower	Upper	
53	100		
52	86.9	72.7	109.1
51	39.4	42.2	63.2#

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 80.24 ug/l

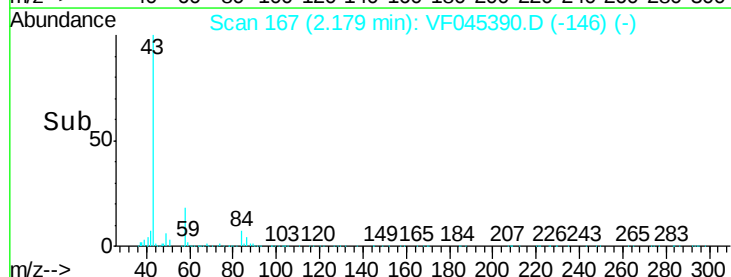
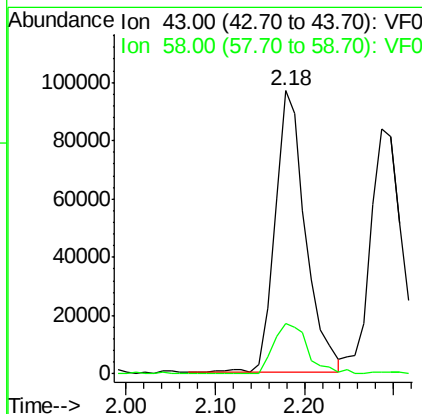
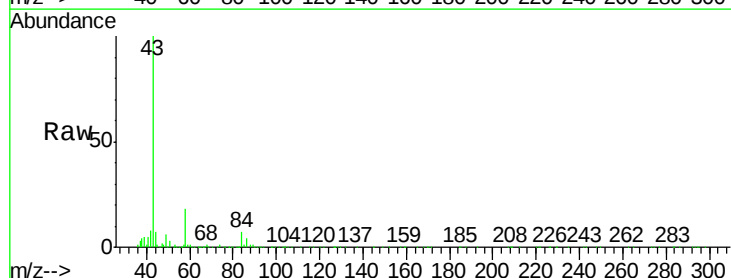
RT: 2.18 min Scan# 167

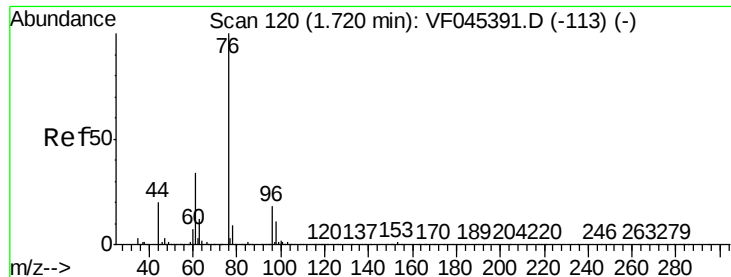
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	43	Resp:	230964
Ion Ratio	Lower	Upper	
43	100		
58	17.8	13.9	20.9





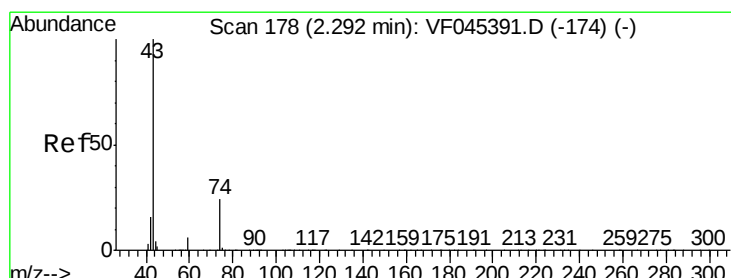
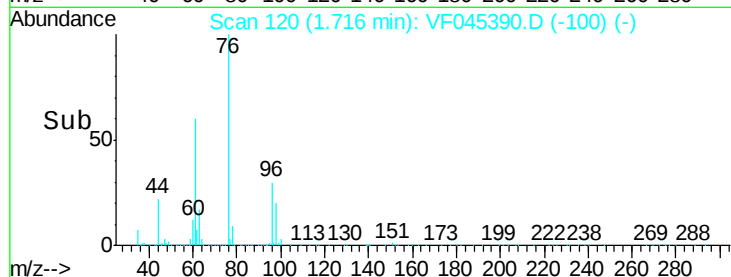
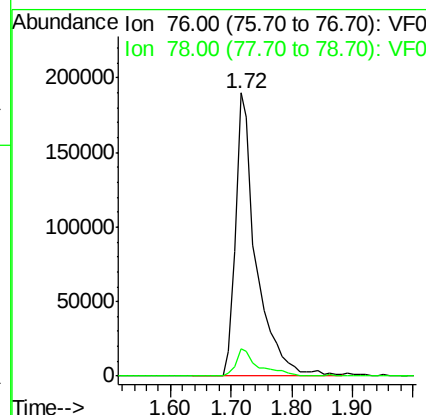
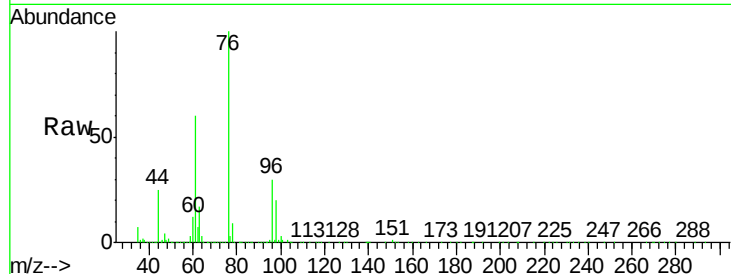
#17
Carbon Disulfide
Concen: 20.26 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

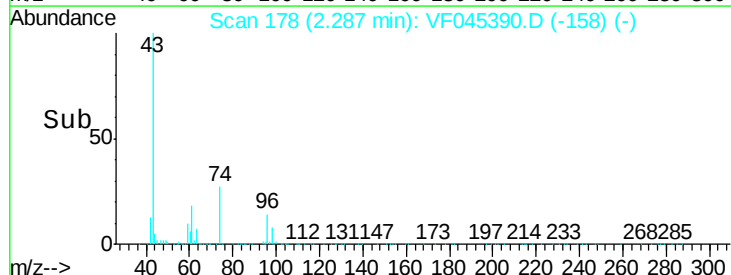
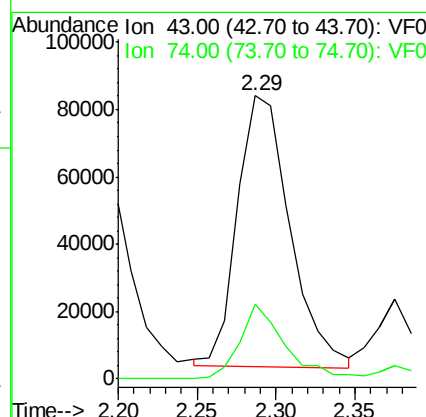
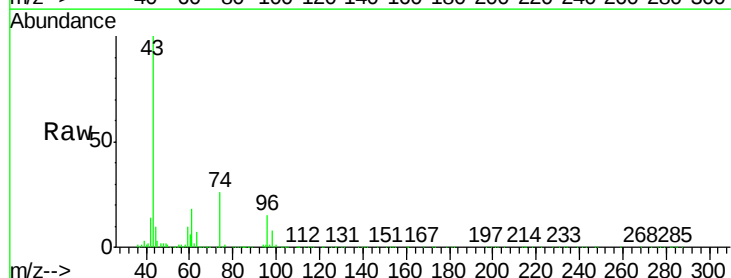
Manual Integrations
APPROVED

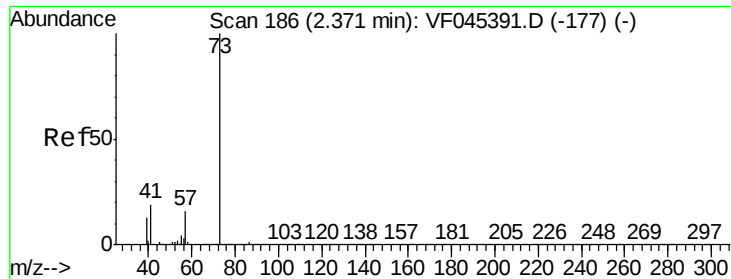
MMDadoda
9/17/2015 12:50:45 PM



#18
Methyl Acetate
Concen: 14.15 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	15.1	22.7#





#19

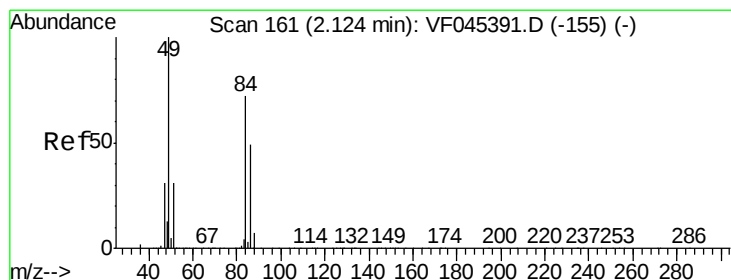
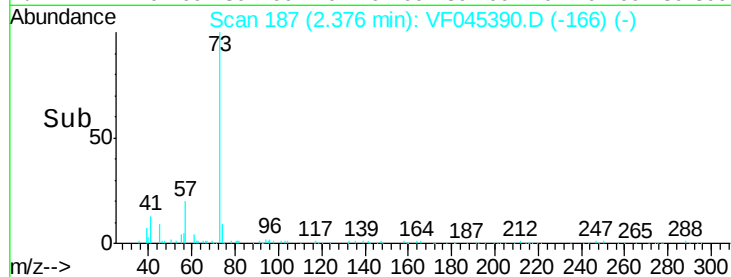
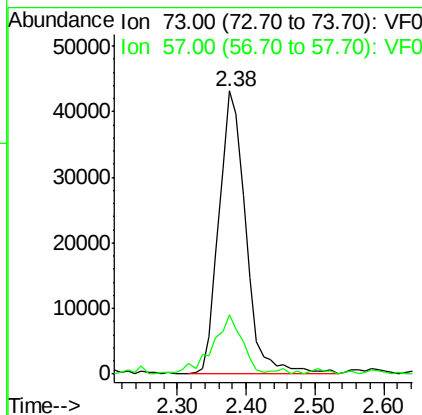
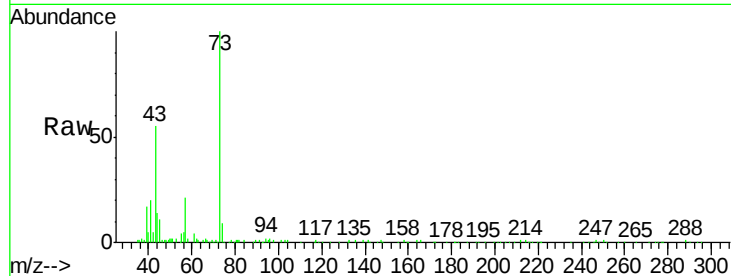
Methyl tert-butyl Ether
 Concen: 22.37 ug/l
 RT: 2.38 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	12.9	19.3#

Manual Integrations
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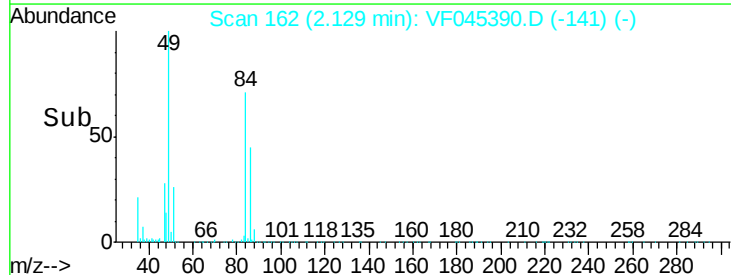
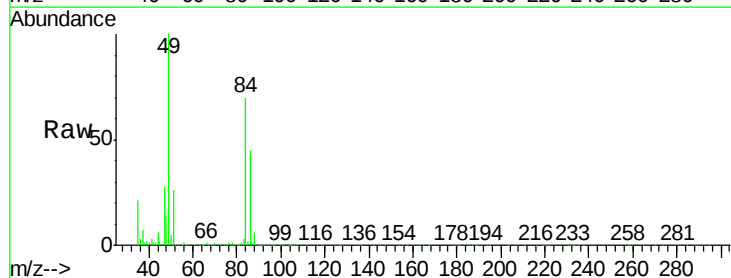
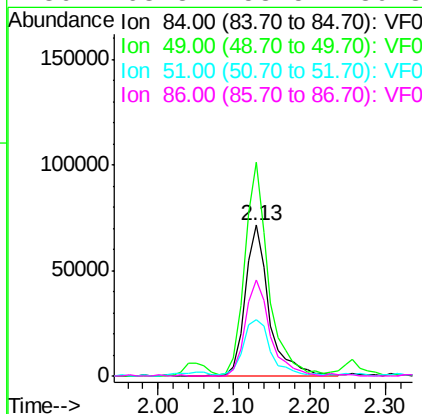
MMDadoda
 9/17/2015 12:50:45 PM

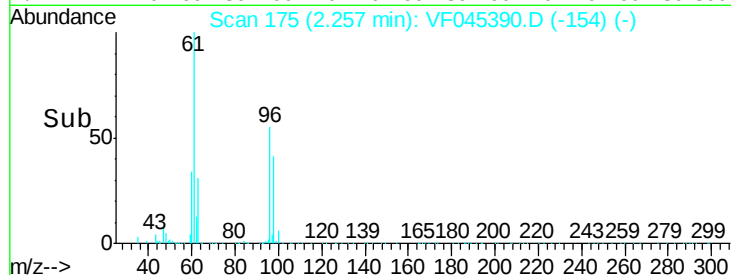
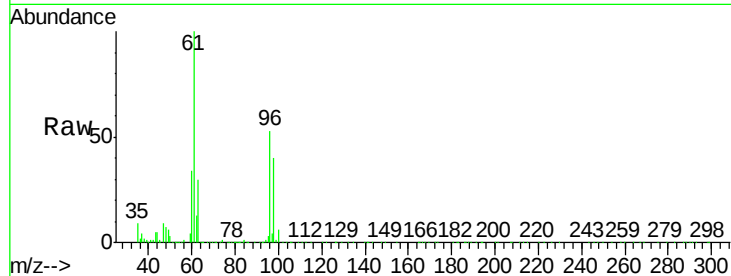
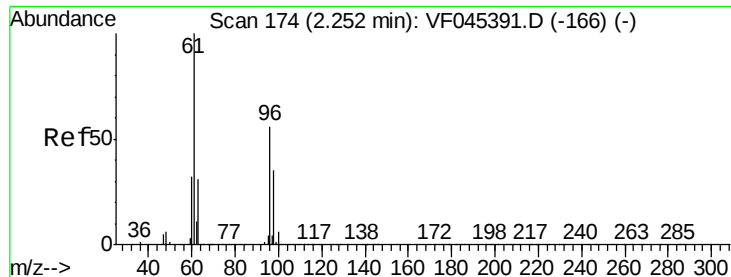


#20

Methylene Chloride
 Concen: 20.70 ug/l
 RT: 2.13 min Scan# 162
 Delta R.T. 0.01 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.9	122.8	184.2
51	37.3	35.4	53.2
86	63.8	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 19.13 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF045390.D

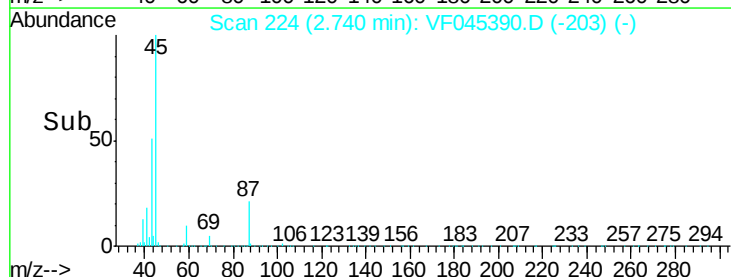
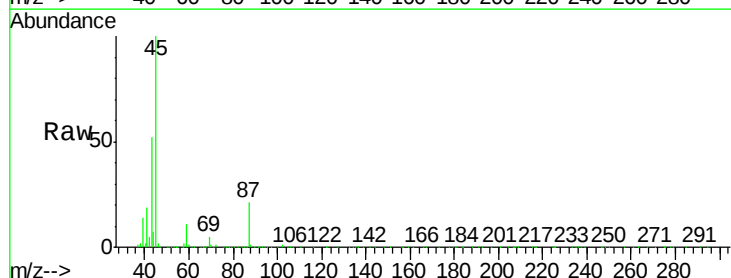
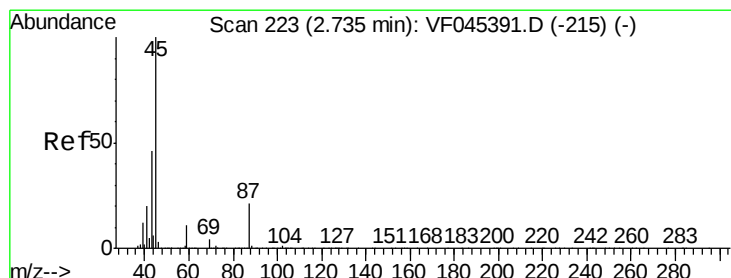
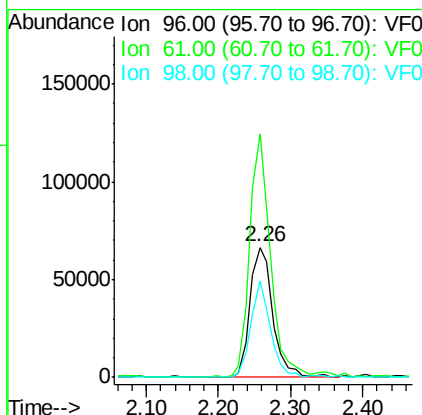
Acq: 16 Sep 2015 14:12

Tot Ion:	96	Resp:	148009
Ion Ratio	Lower	Upper	
96	100		
61	187.6	136.8	205.2
98	74.6	51.0	76.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:50:45 PM



#22

Diisopropyl ether

Concen: 15.93 ug/l

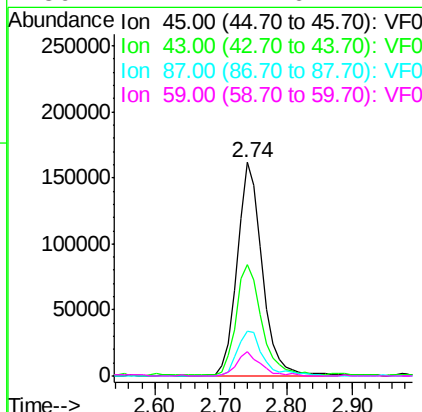
RT: 2.74 min Scan# 224

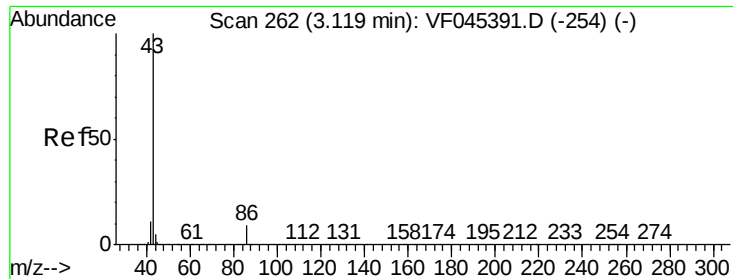
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	45	Resp:	434566
Ion Ratio	Lower	Upper	
45	100		
43	51.9	42.2	63.4
87	21.2	16.6	25.0
59	11.2	7.6	11.4





#23

Vinyl Acetate

Concen: 75.93 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

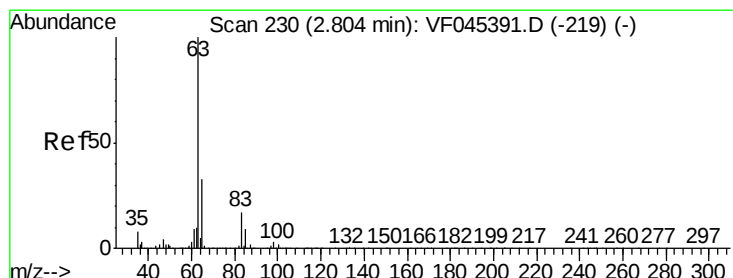
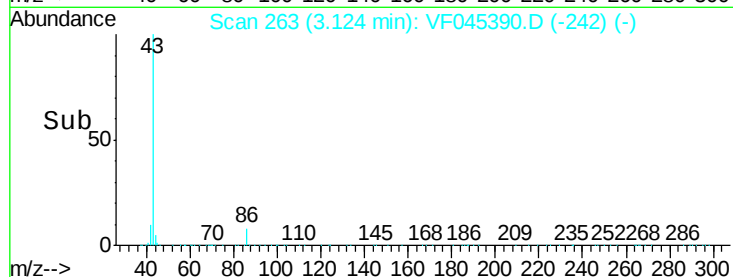
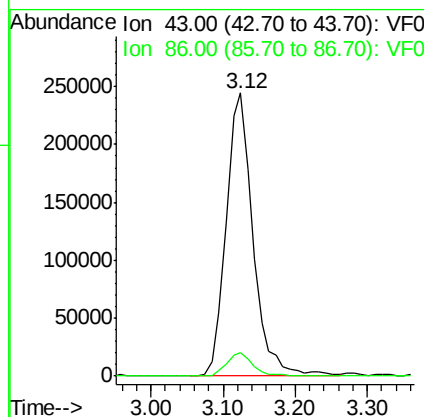
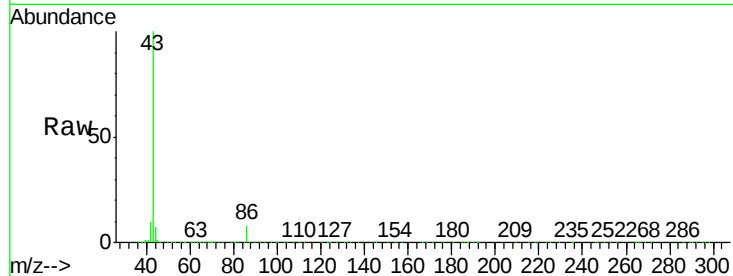
ClientSampleId :

VSTDIC020

Tot Ion	43	Resp	631975
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:50:45 PM



#24

1,1-Dichloroethane

Concen: 18.00 ug/l

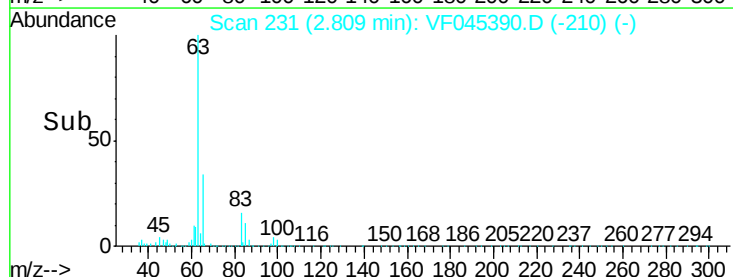
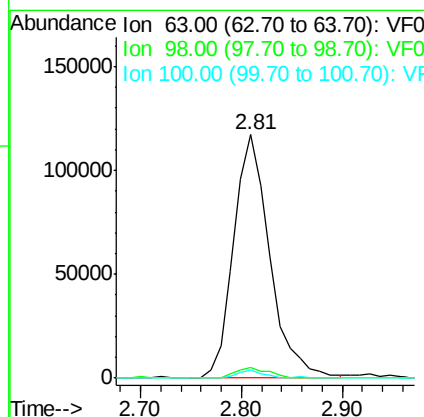
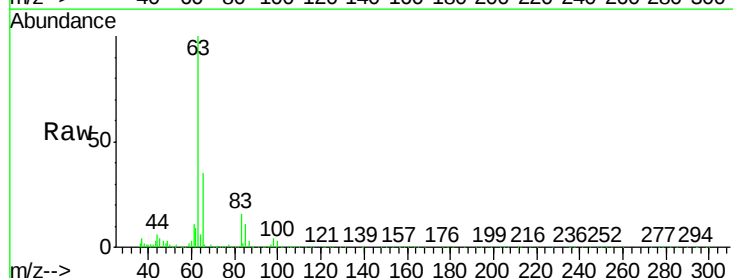
RT: 2.81 min Scan# 231

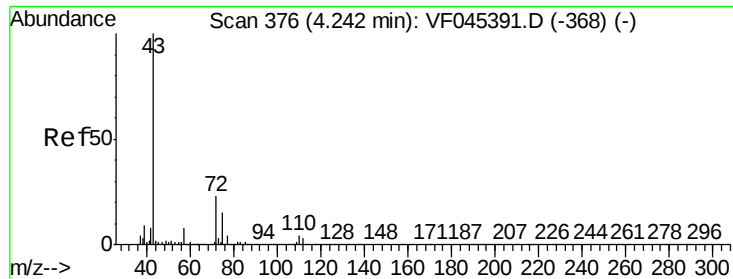
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion	63	Resp	292368
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	3.3	1.1	3.5





#25

2-Butanone

Concen: 72.24 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 356619

Ion Ratio Lower Upper

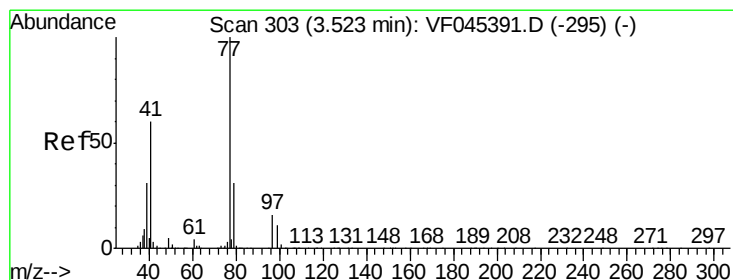
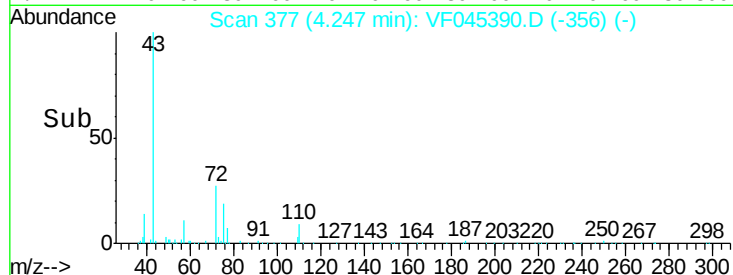
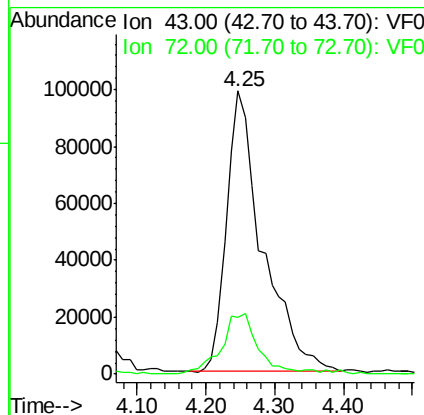
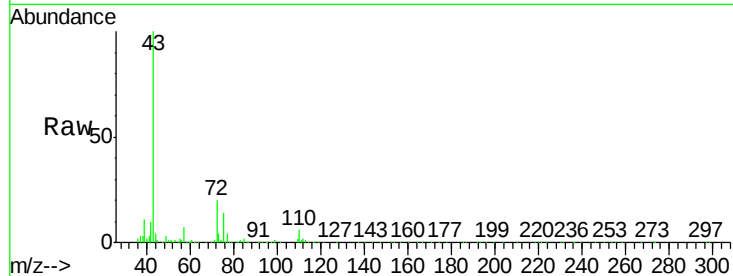
43 100

72 20.0 20.2 30.2#

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#26

2,2-Dichloropropane

Concen: 20.73 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF045390.D

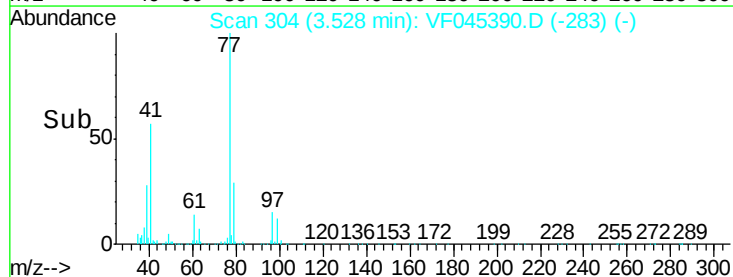
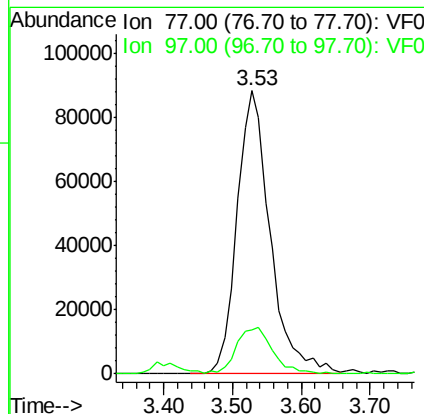
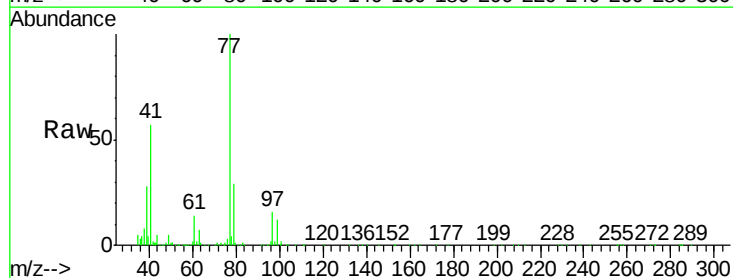
Acq: 16 Sep 2015 14:12

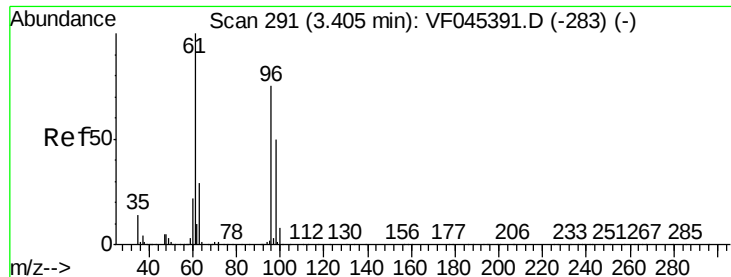
Tgt Ion: 77 Resp: 292715

Ion Ratio Lower Upper

77 100

97 15.6 9.2 27.4





#27

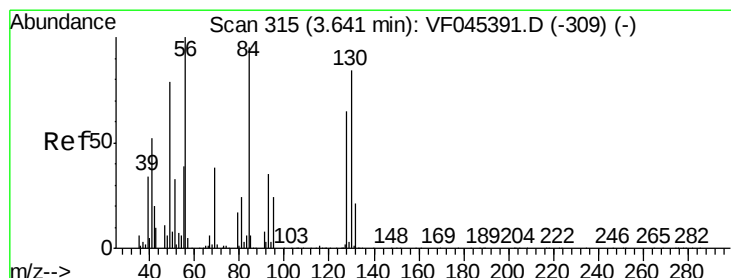
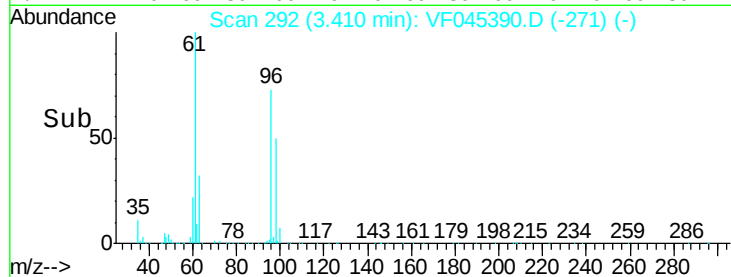
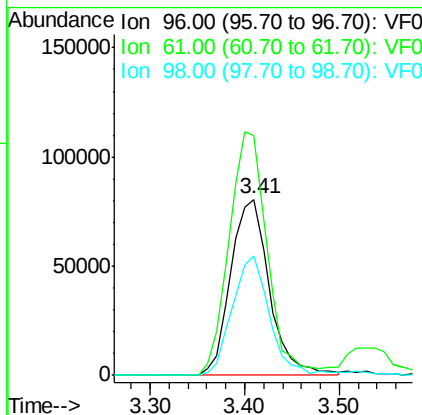
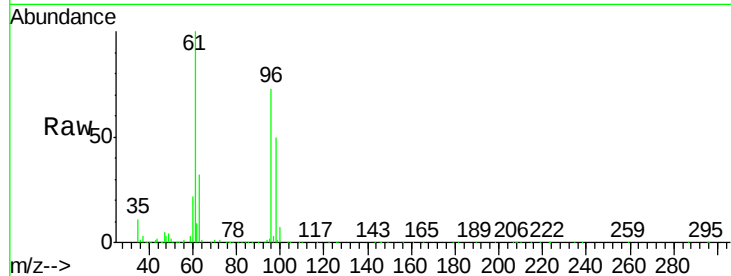
cis-1,2-Dichloroethene
Concen: 18.69 ug/l
RT: 3.41 min Scan# 292
Delta R.T. 0.01 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	228638		
61	136.4	0.0	268.6	
98	68.0	0.0	135.8	

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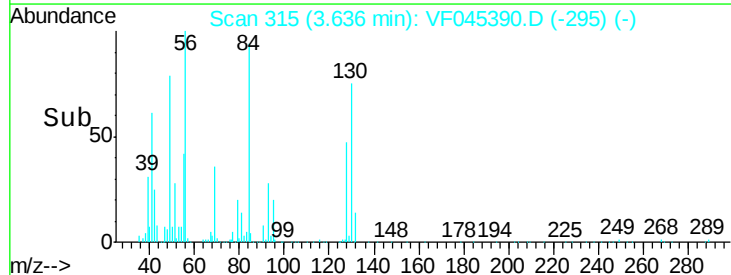
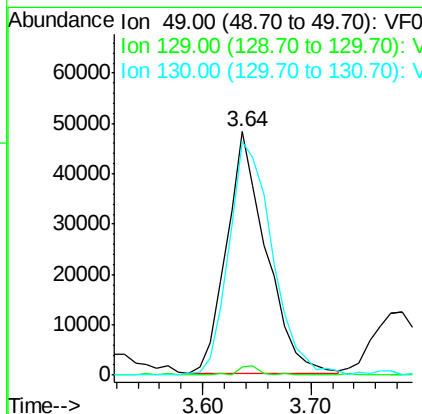
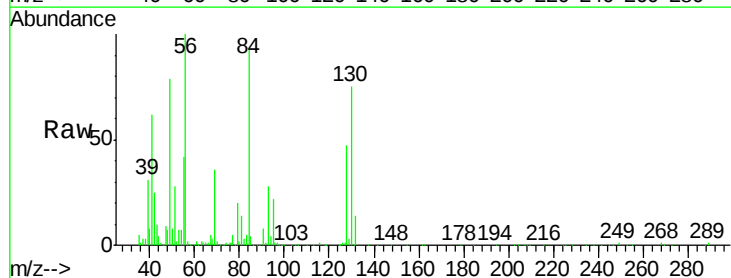
MMDadoda
9/17/2015 12:50:45 PM

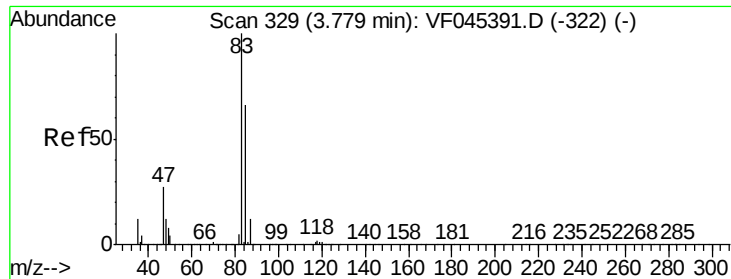


#28

Bromochloromethane
Concen: 14.39 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122307		
129	3.6	0.0	0.0#	
130	95.7	79.6	119.4	





#29

Chloroform

Concen: 19.47 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 419381

Ion Ratio Lower Upper

83 100

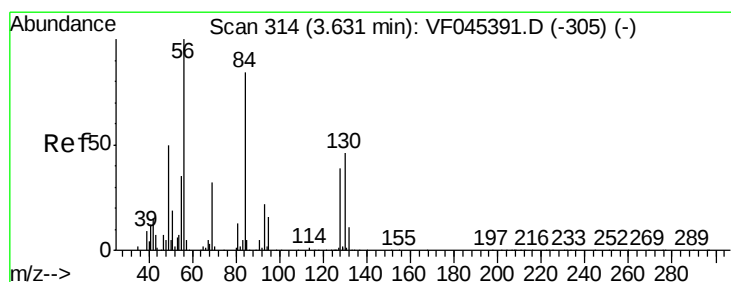
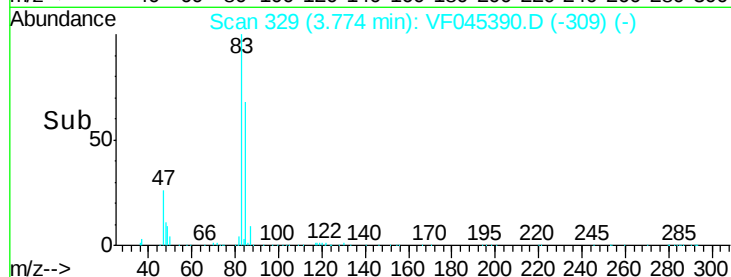
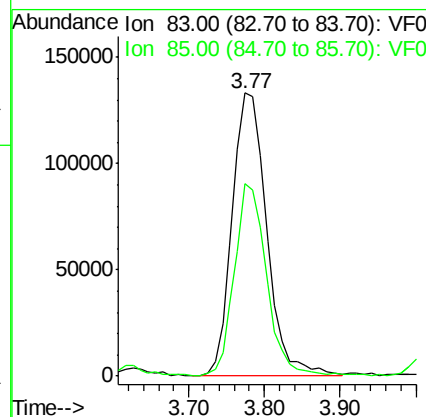
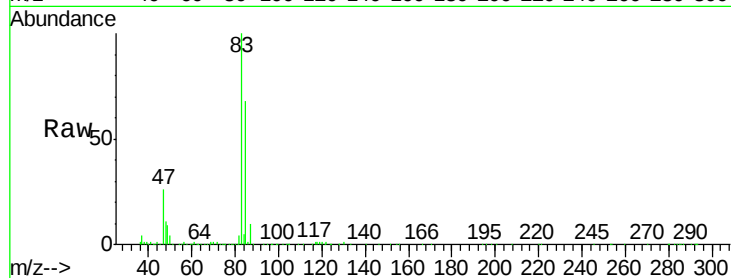
85 68.1 51.6 77.4

Manual Integrations

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#30

Cyclohexane

Concen: 15.39 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

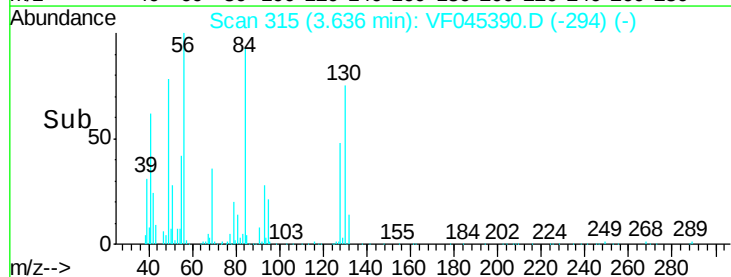
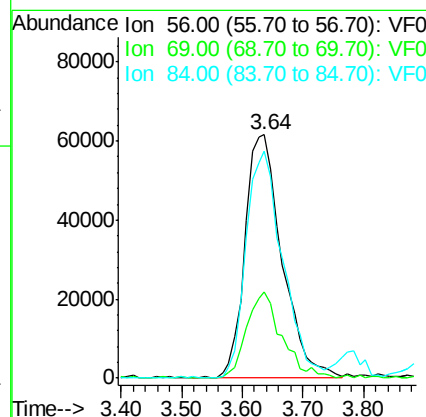
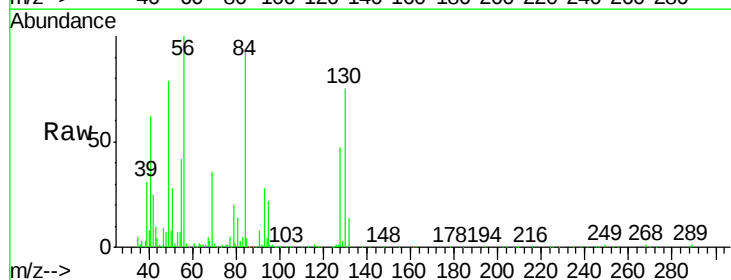
Tgt Ion: 56 Resp: 261315

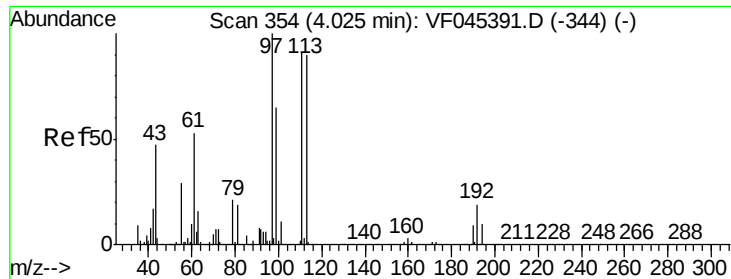
Ion Ratio Lower Upper

56 100

69 35.5 26.1 39.1

84 93.3 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 20.36 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

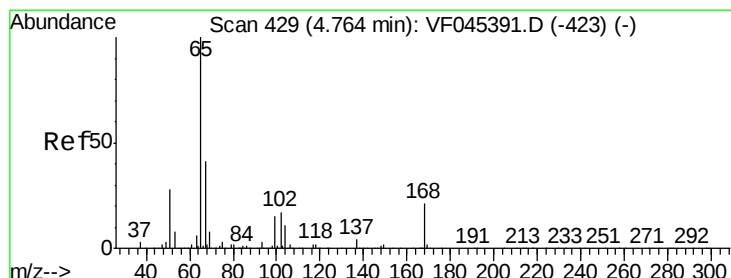
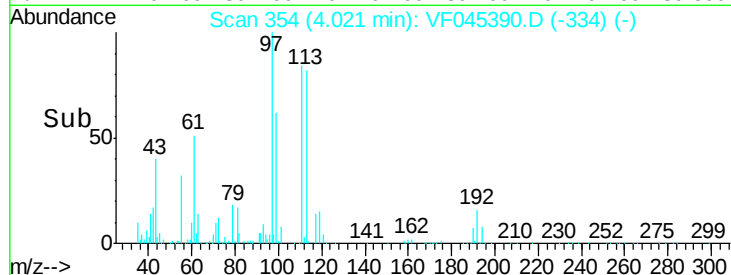
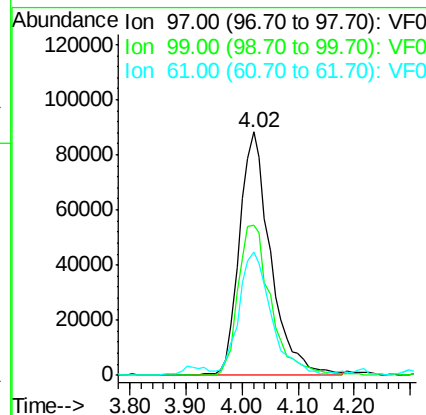
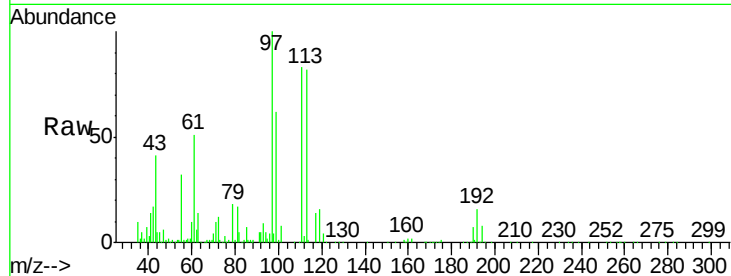
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	339849
Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.1	76.7
61	50.5	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 19.34 ug/l

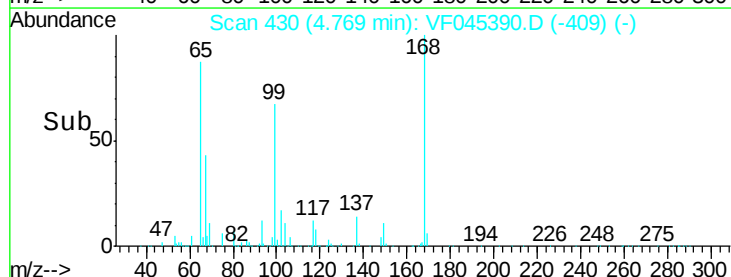
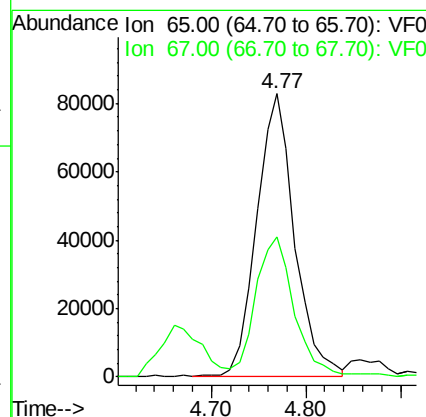
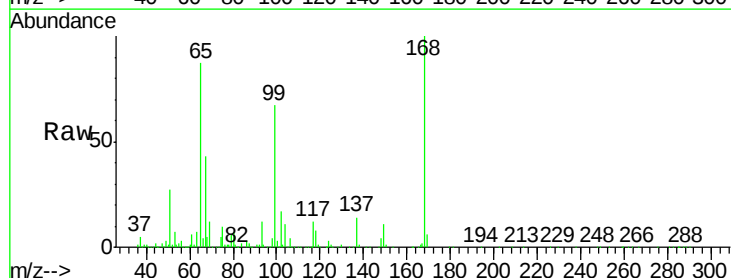
RT: 4.77 min Scan# 430

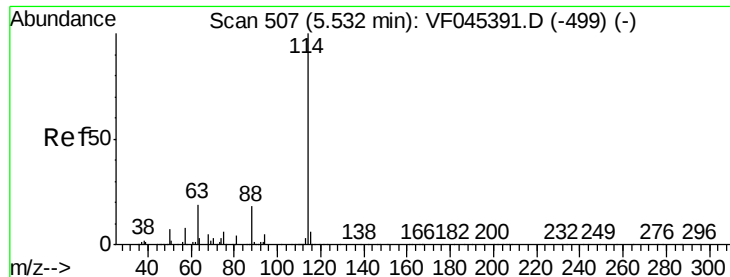
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	65	Resp:	227707
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	102.2





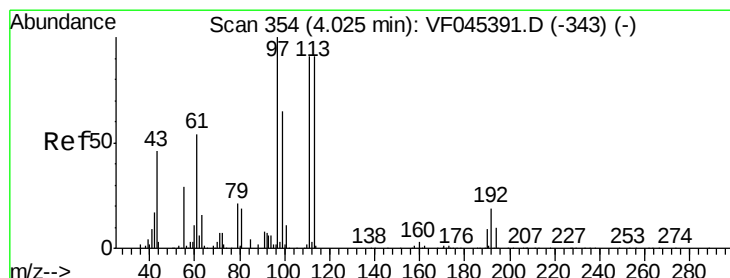
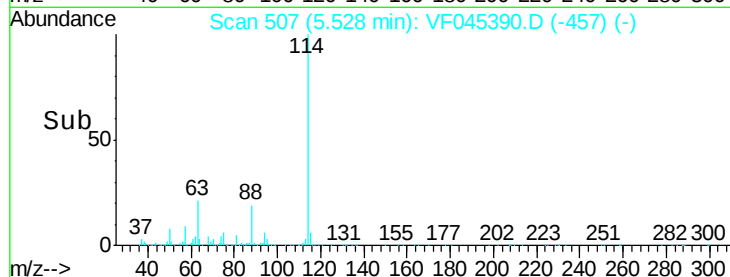
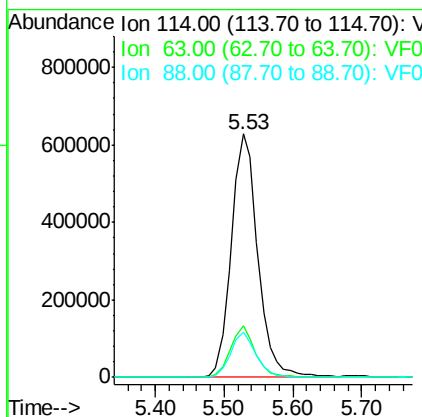
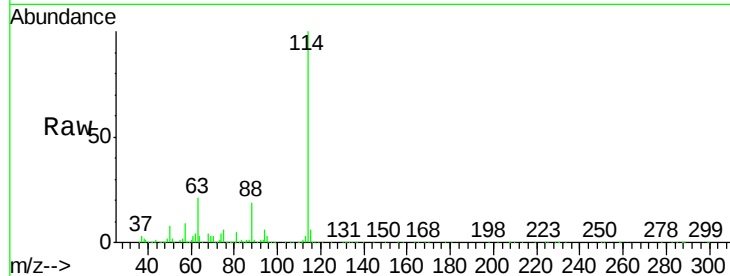
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.2
88	18.8	0.0	37.0

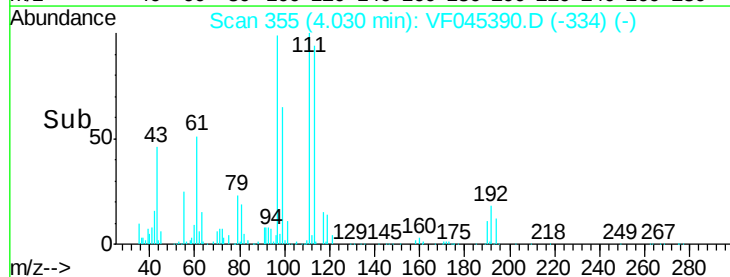
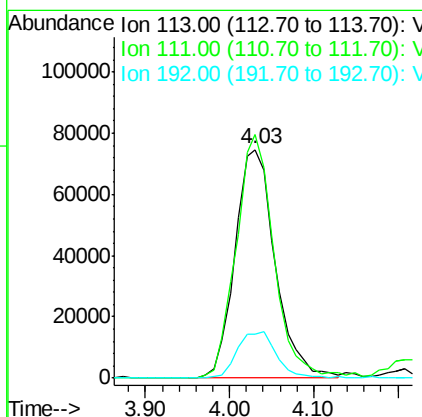
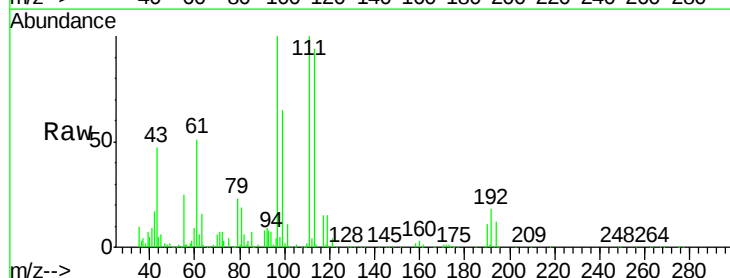
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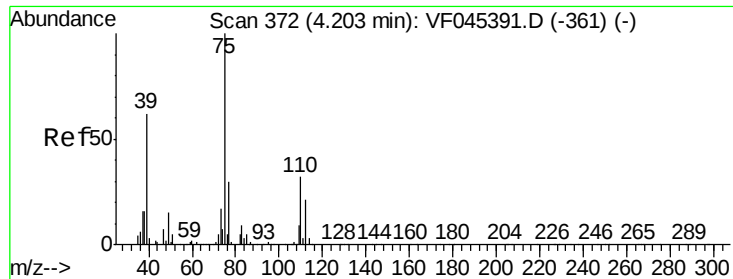
MMDadoda
 9/17/2015 12:50:45 PM



#34
 Dibromofluoromethane
 Concen: 19.38 ug/l
 RT: 4.03 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.4	75.5	113.3
192	19.2	15.6	23.4





#35

1,1-Dichloropropene

Concen: 19.33 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

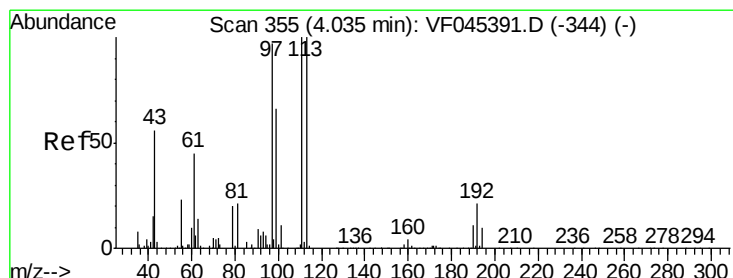
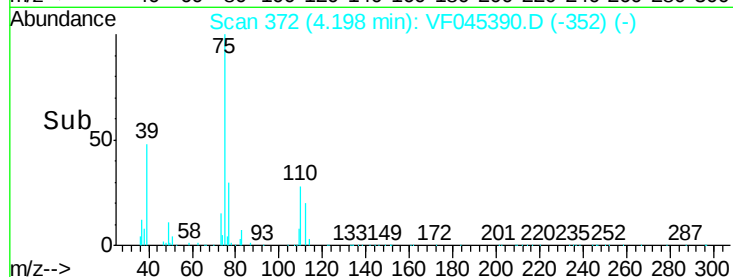
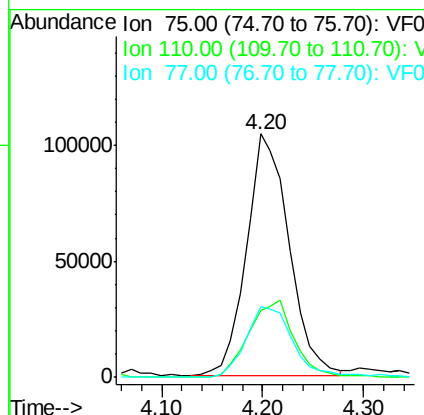
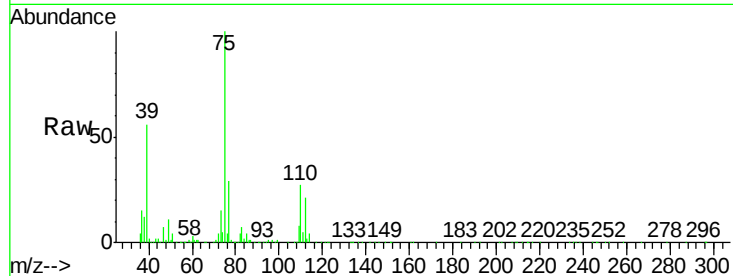
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	308374
Ion Ratio	Lower	Upper	
75	100		
110	27.3	15.9	47.6
77	29.0	24.2	36.4

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#36

Ethyl Acetate

Concen: 15.02 ug/l

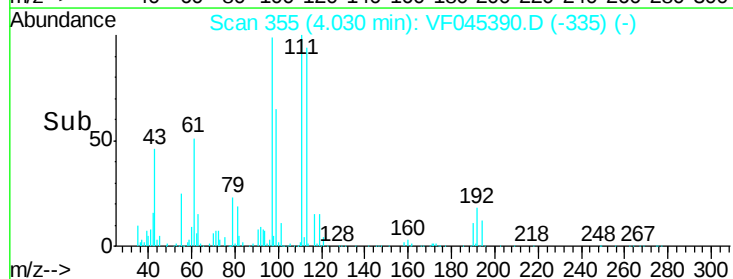
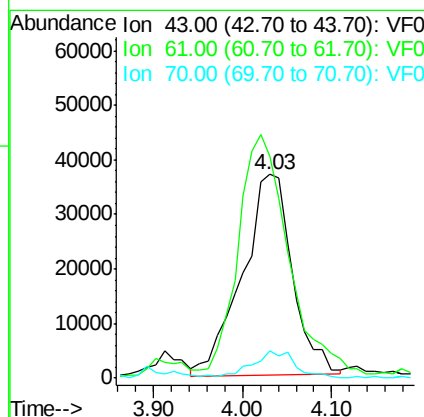
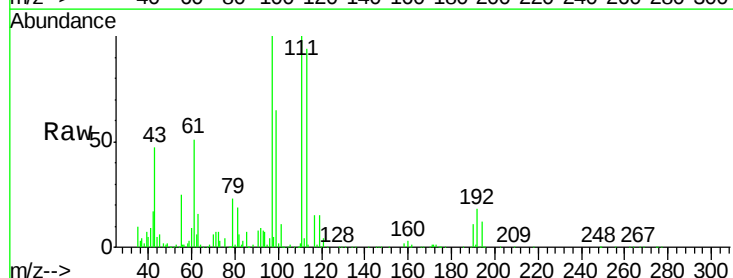
RT: 4.03 min Scan# 355

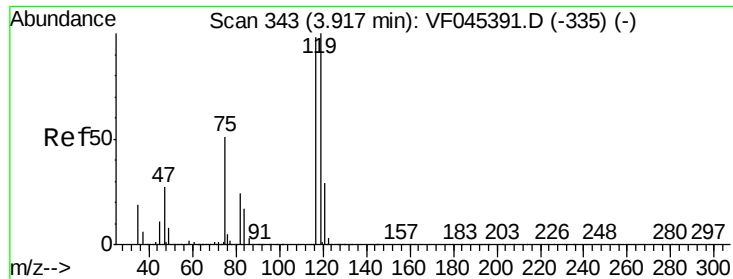
Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	43	Resp:	143897
Ion Ratio	Lower	Upper	
43	100		
61	108.6	49.4	74.0#
70	13.4	10.8	16.2





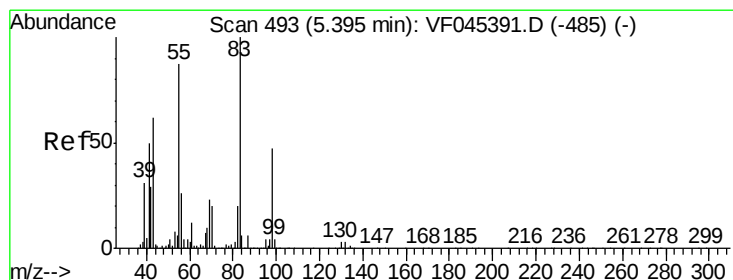
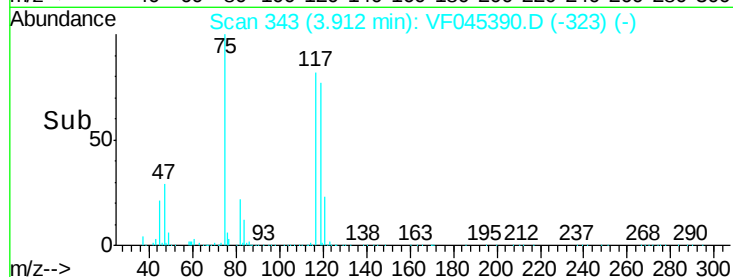
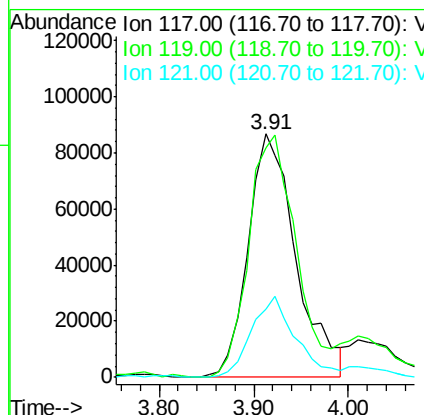
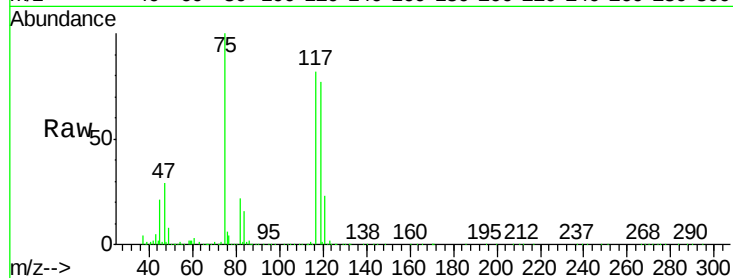
#37
Carbon Tetrachloride
Concen: 22.33 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306092		
119	94.2	77.8	116.8	
121	28.2	25.4	38.0	

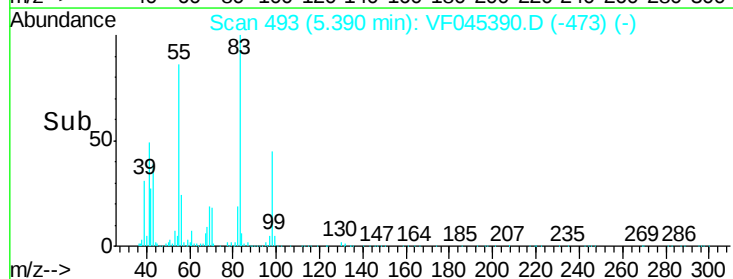
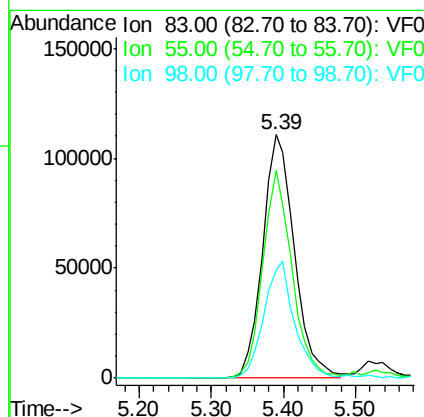
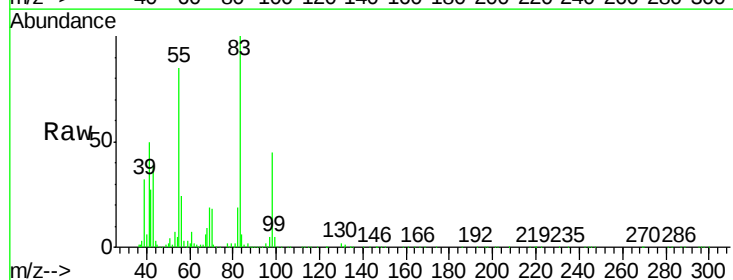
Manual Integrations
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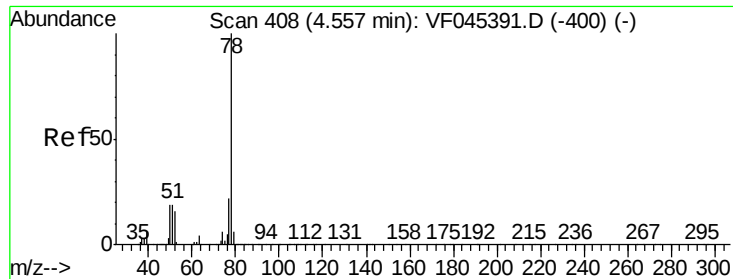
MMDadoda
9/17/2015 12:50:45 PM



#38
Methylcyclohexane
Concen: 19.58 ug/l
RT: 5.39 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	337360		
55	85.4	60.5	90.7	
98	44.5	38.1	57.1	





#39

Benzene

Concen: 18.25 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 729984

Ion Ratio Lower Upper

78 100

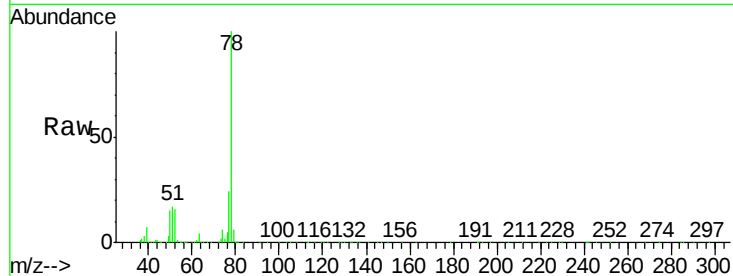
77 24.0 18.6 28.0

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

250000

200000

150000

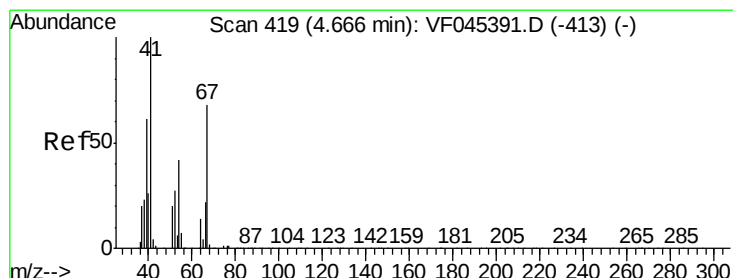
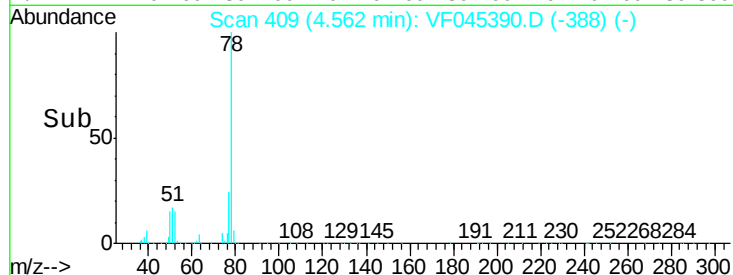
100000

50000

0

4.40 4.50 4.60 4.70

Time-->



#40

Methacrylonitrile

Concen: 15.59 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion: 41 Resp: 70740

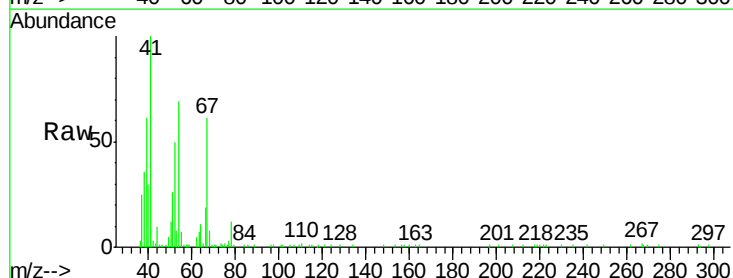
Ion Ratio Lower Upper

41 100

39 61.5 44.9 67.3

67 61.2 49.0 73.4

52 50.0 38.2 57.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

60000

50000

40000

30000

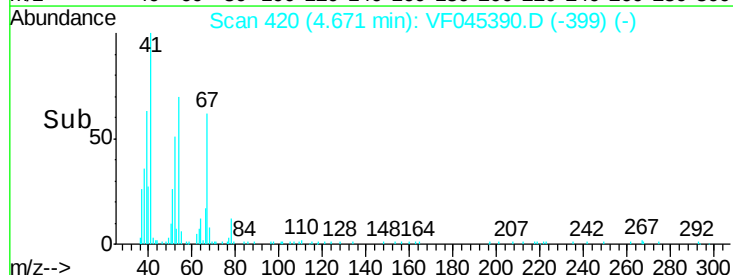
20000

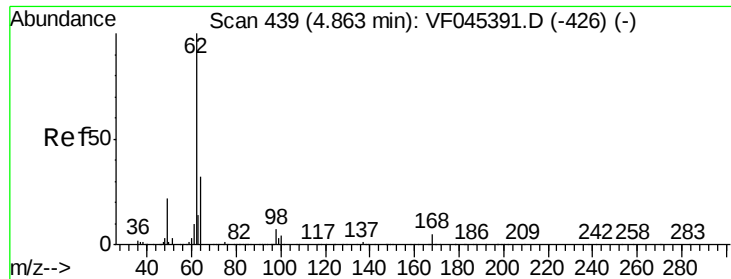
10000

0

4.50 4.60 4.70 4.80

Time-->





#41

1,2-Dichloroethane

Concen: 21.22 ug/l

RT: 4.87 min Scan# 440

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

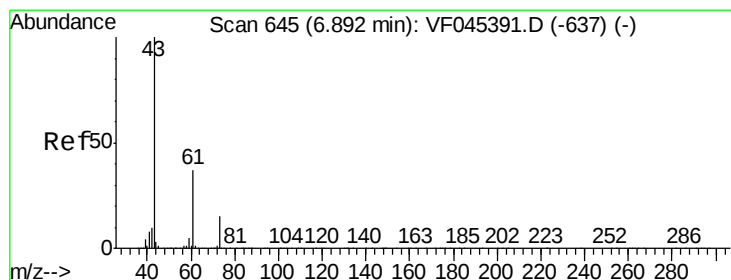
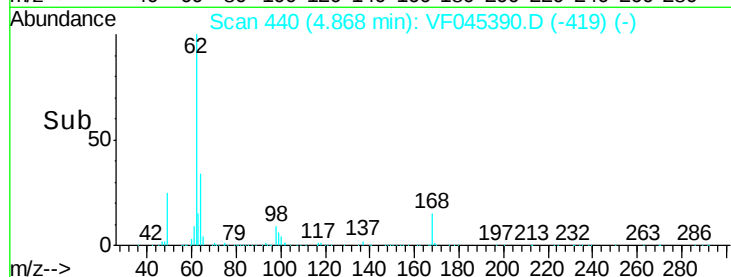
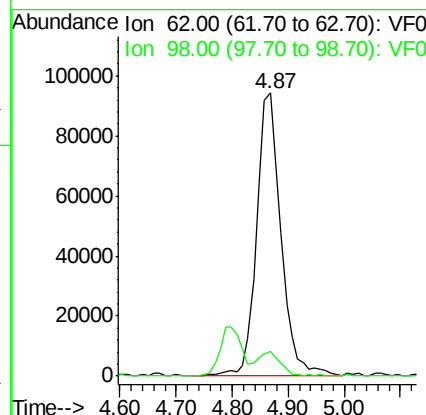
ClientSampleId :

VSTDIC020

Tot Ion:	62	Resp:	285087
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.0

Manual Integrations
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9/17/2015 12:50:45 PM



#42

Isopropyl Acetate

Concen: 15.84 ug/l

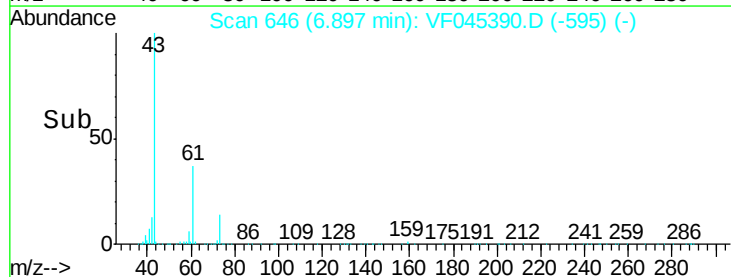
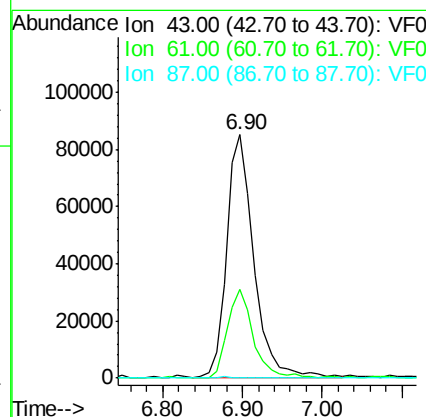
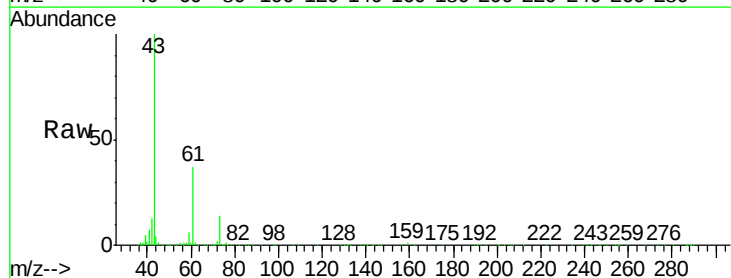
RT: 6.90 min Scan# 646

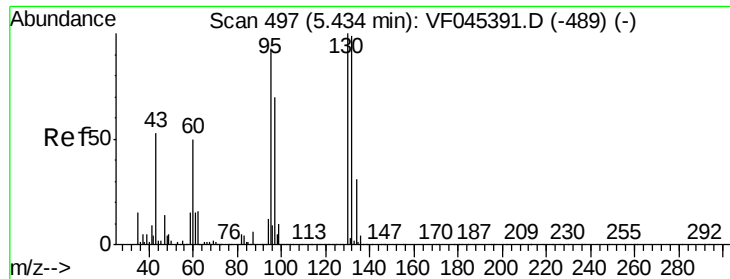
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	43	Resp:	205244
Ion Ratio	Lower	Upper	
43	100		
61	36.7	29.8	44.6
87	0.0	0.2	0.2#





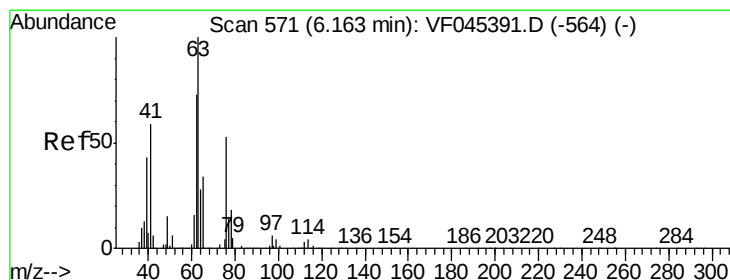
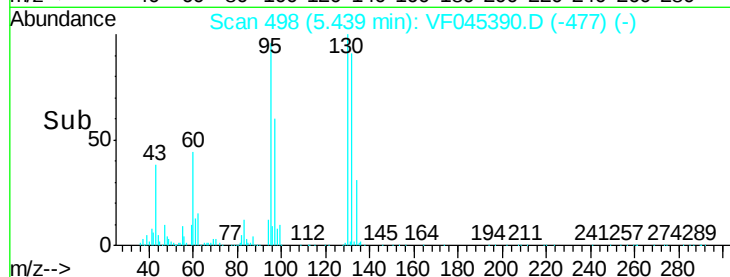
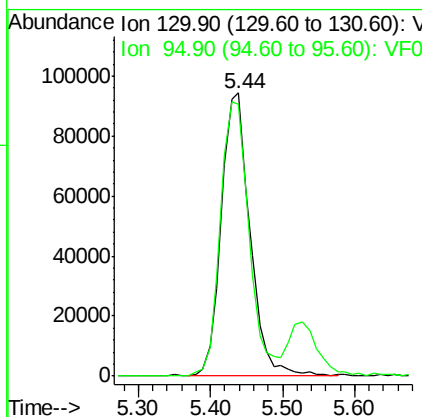
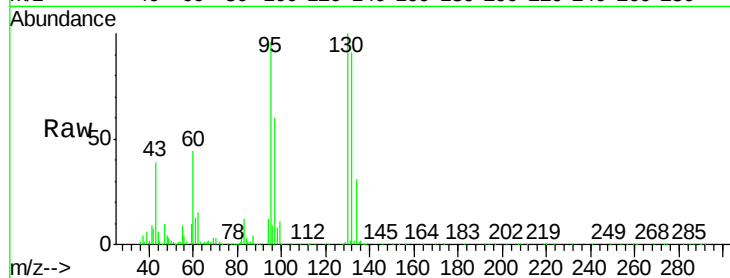
#43
 Trichloroethene
 Concen: 22.68 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.01 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	260523		
95	96.2	0.0	192.2	

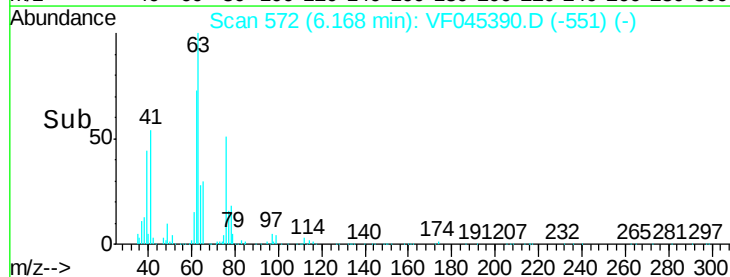
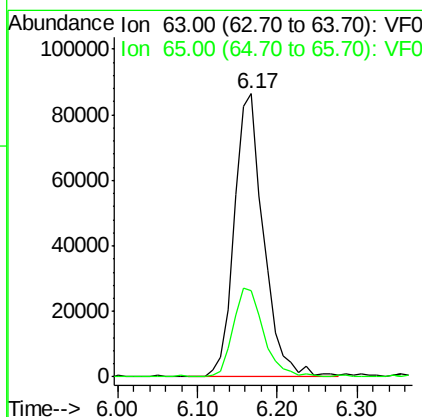
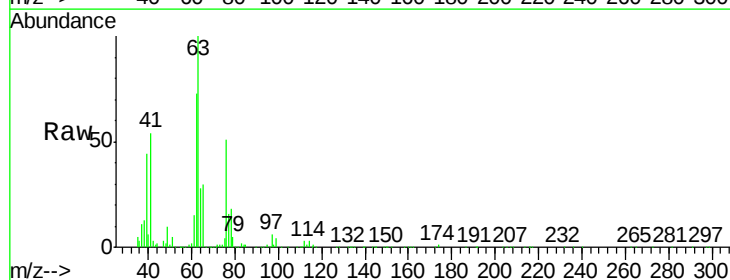
Manual Integrations
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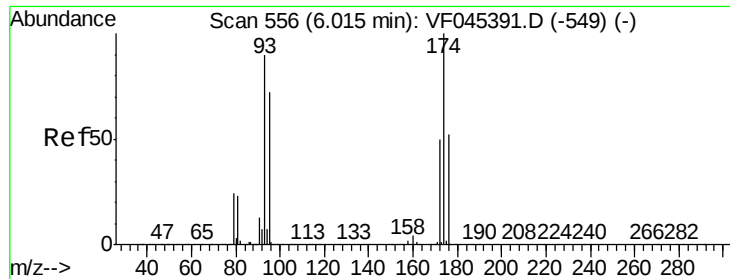
MMDadoda
 9/17/2015 12:50:45 PM



#44
 1,2-Dichloropropane
 Concen: 18.29 ug/l
 RT: 6.17 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	220241		
65	30.5	25.6	38.4	





#45

Dibromomethane

Concen: 20.15 ug/l

RT: 6.01 min Scan# 556

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

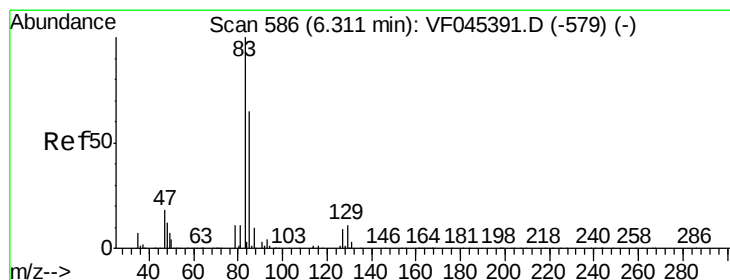
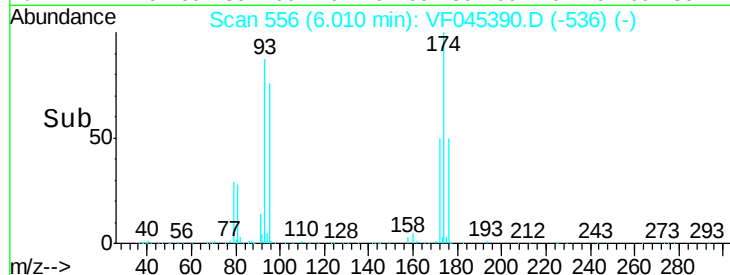
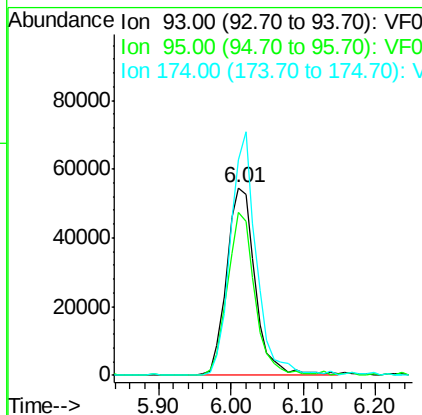
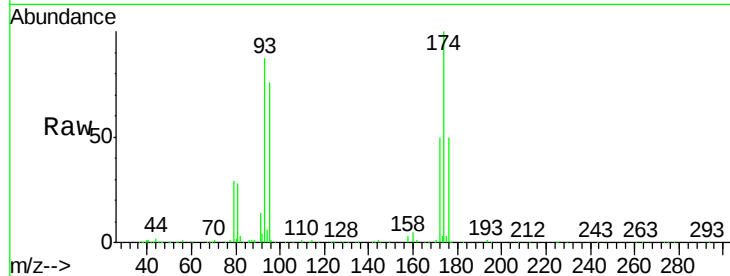
ClientSampleId :

VSTDIC020

Tot Ion:	93	Resp:	150894
Ion	Ratio	Lower	Upper
93	100		
95	87.0	69.8	104.6
174	114.7	90.5	135.7

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#46

Bromodichloromethane

Concen: 21.24 ug/l

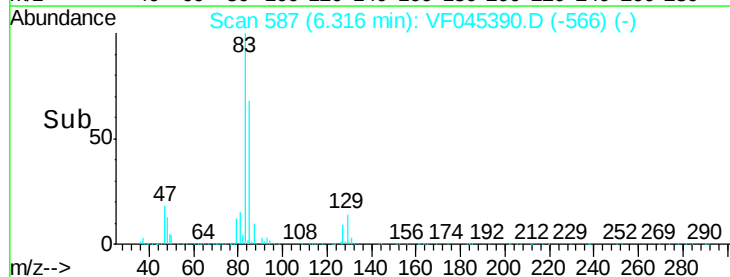
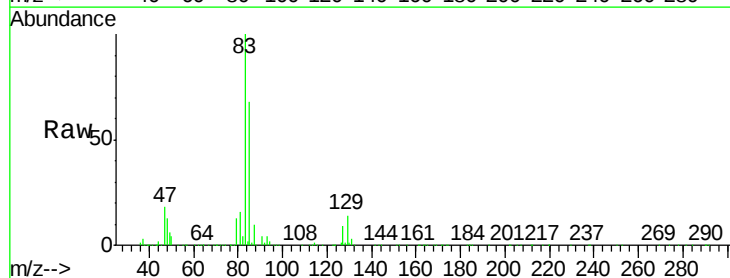
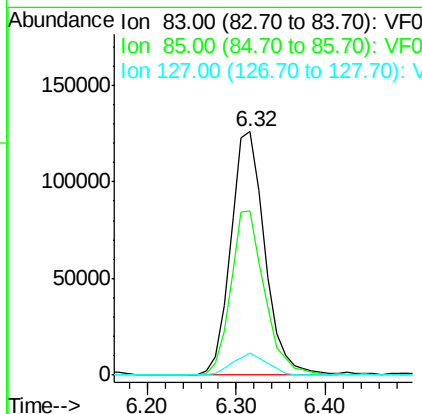
RT: 6.32 min Scan# 587

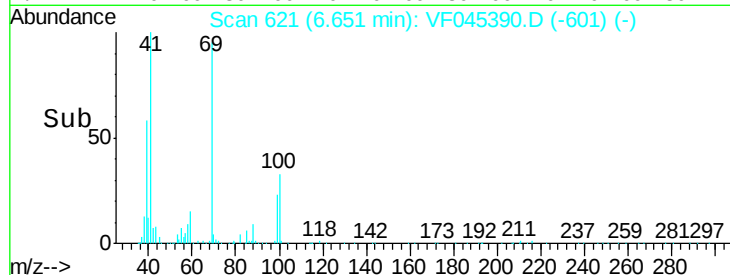
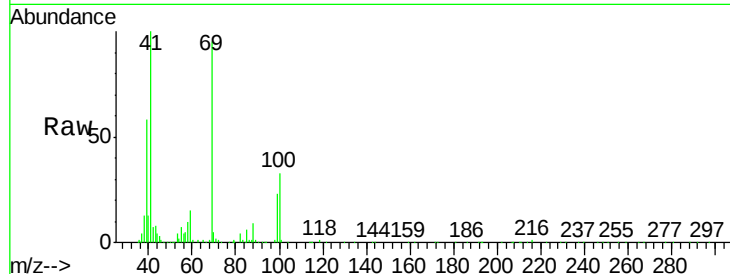
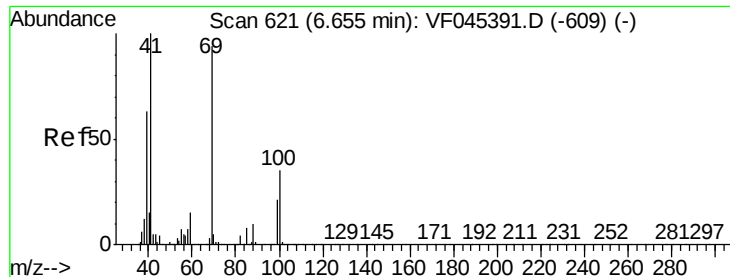
Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	83	Resp:	336789
Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.6	75.8
127	8.9	7.7	11.5





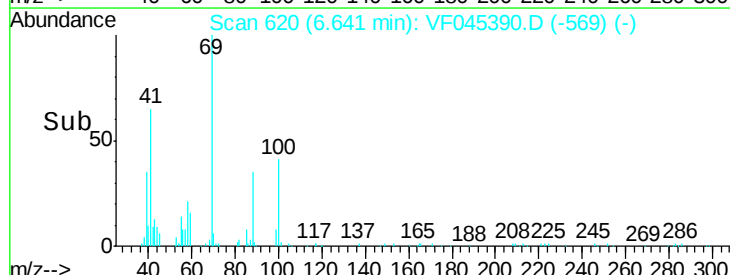
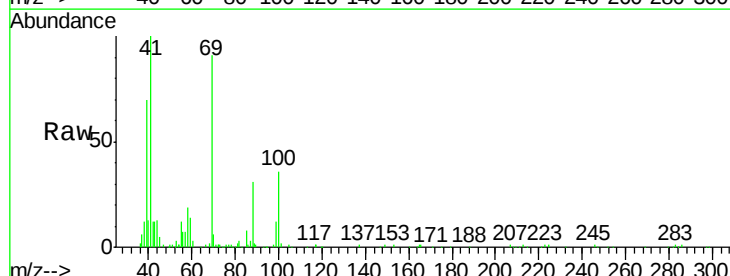
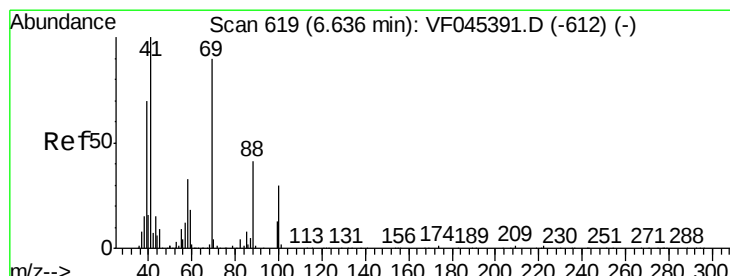
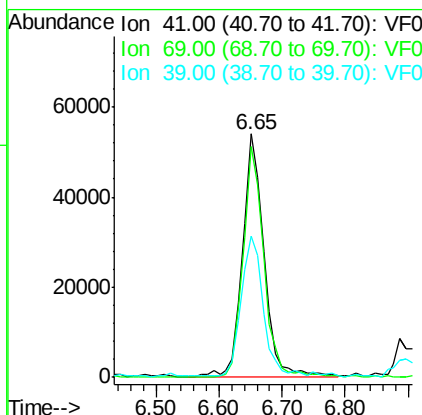
#47
Methvl methacrylate
Concen: 16.99 ug/l
RT: 6.65 min Scan# 621
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
69	94.7	63.3	94.9	
39	57.8	48.9	73.3	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

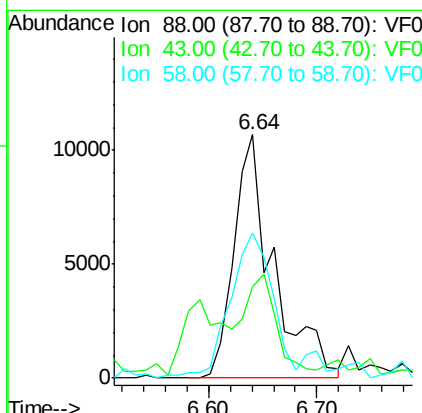
Manual Integrations
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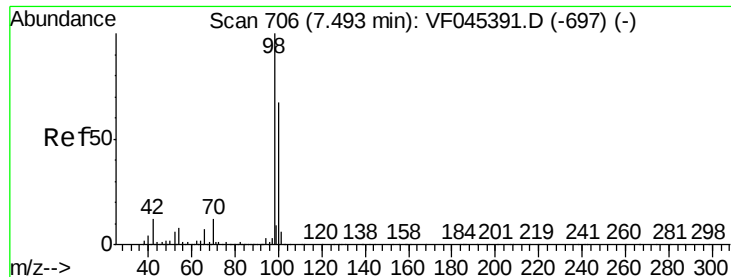
MMDadoda
9/17/2015 12:50:45 PM



#48
1,4-Dioxane
Concen: 352.29 ug/l
RT: 6.64 min Scan# 620
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.5	34.5	51.7	
58	59.5	46.5	69.7	





#49

Toluene-d8

Concen: 20.39 ug/l

RT: 7.49 min Scan# 706

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 98 Resp: 786503

Ion Ratio Lower Upper

98 100

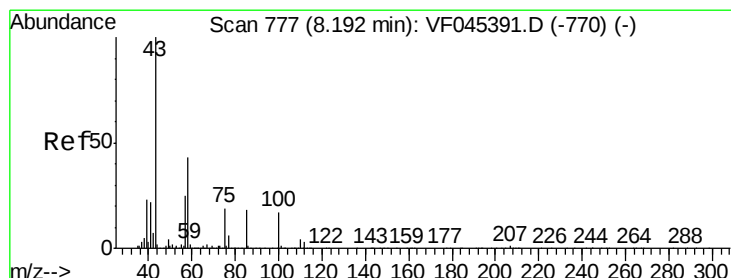
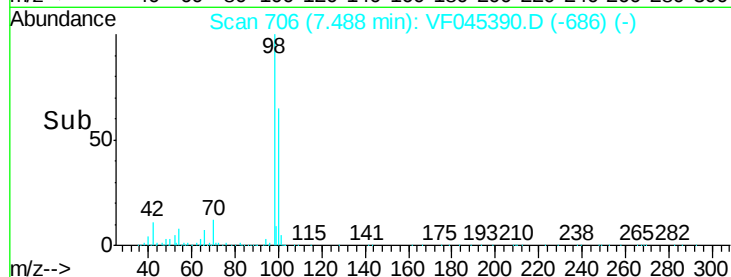
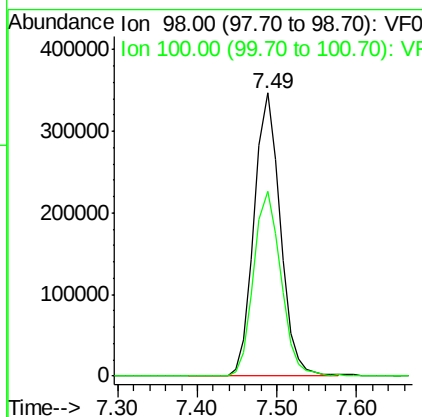
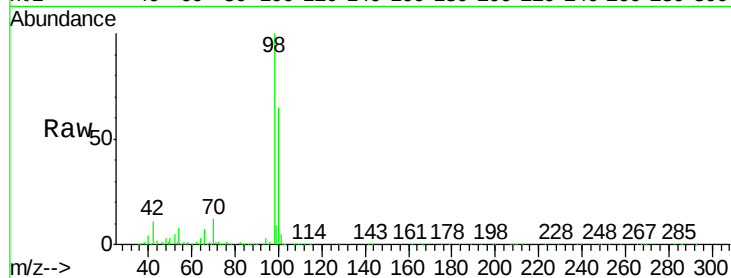
100 65.2 54.4 81.6

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 76.54 ug/l

RT: 8.19 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF045390.D

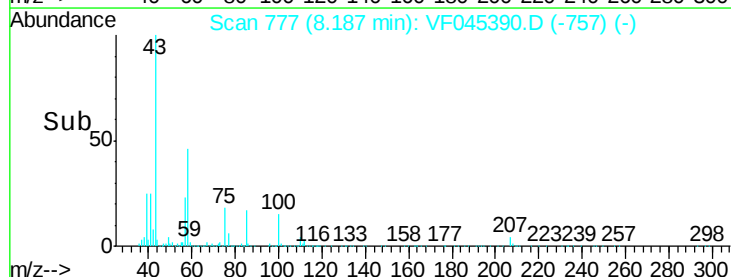
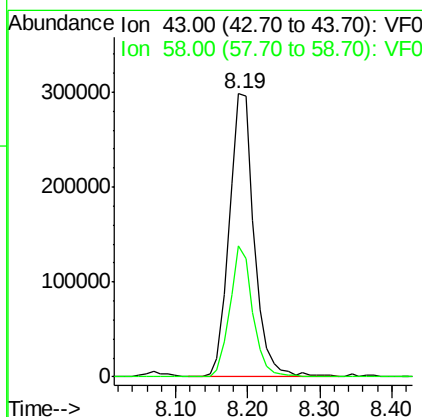
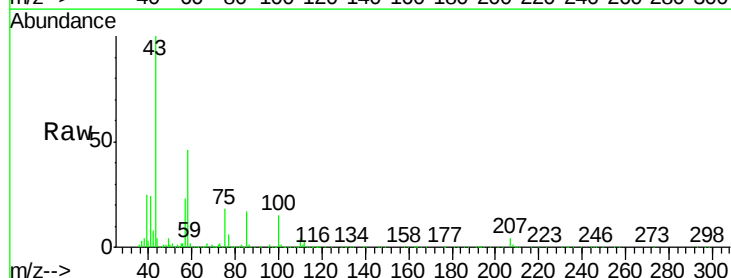
Acq: 16 Sep 2015 14:12

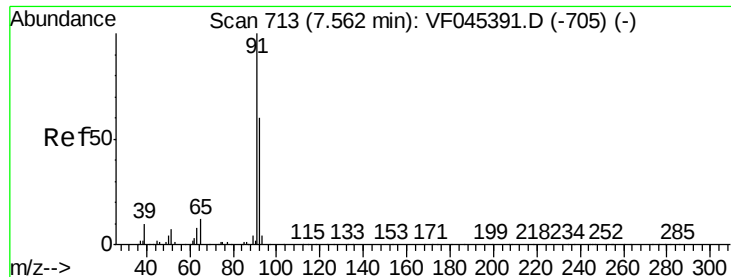
Tgt Ion: 43 Resp: 714257

Ion Ratio Lower Upper

43 100

58 46.1 33.6 50.4





#51

Toluene

Concen: 20.87 ug/l

RT: 7.56 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 572025

Ion Ratio Lower Upper

92 100

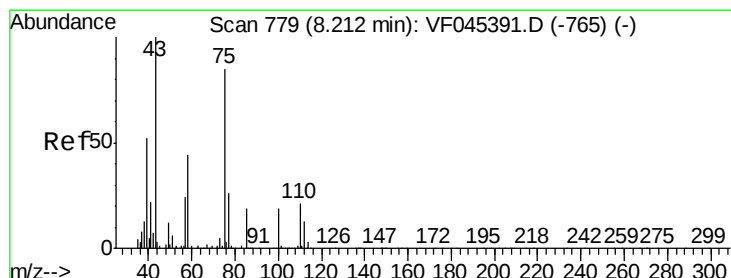
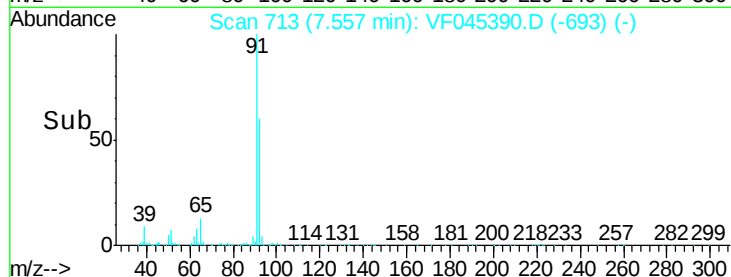
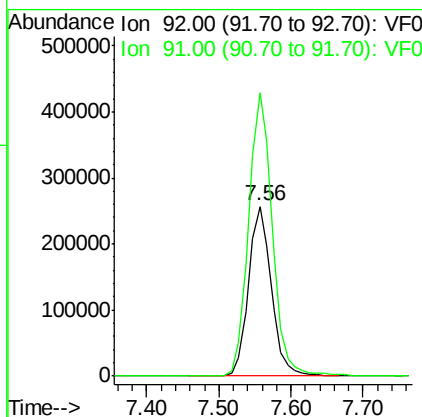
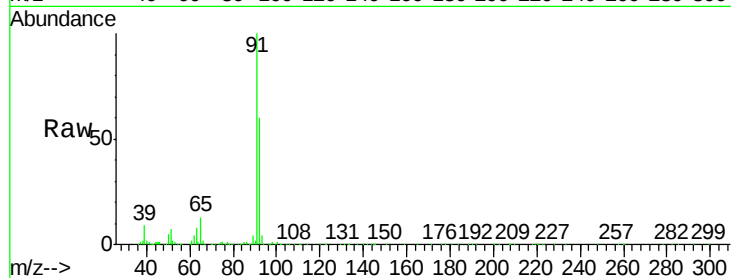
91 166.6 133.4 200.0

Manual Integrations

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#52

t-1,3-Dichloropropene

Concen: 19.59 ug/l

RT: 8.21 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF045390.D

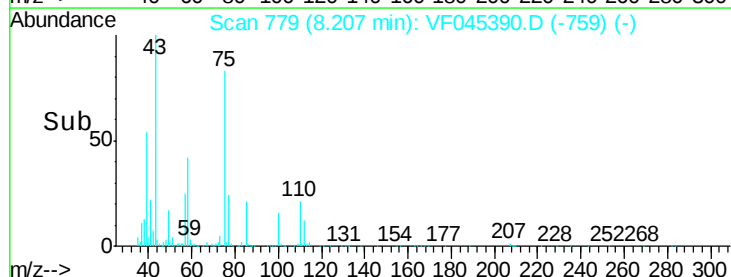
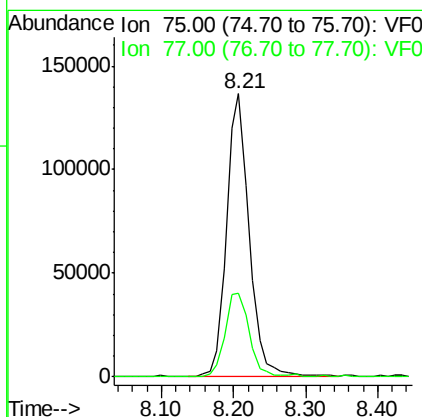
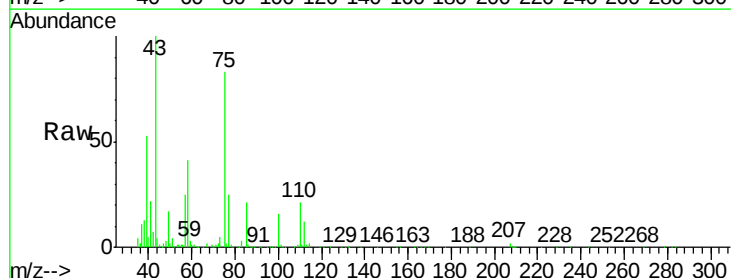
Acq: 16 Sep 2015 14:12

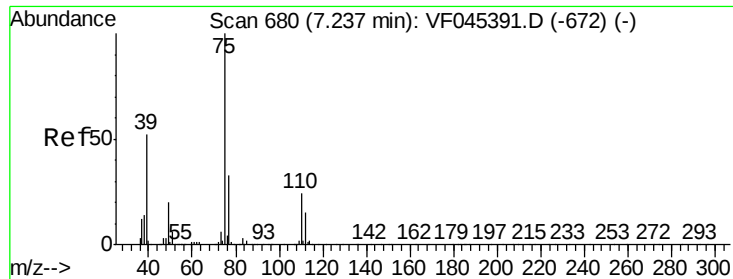
Tgt Ion: 75 Resp: 298029

Ion Ratio Lower Upper

75 100

77 29.7 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 7.23 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

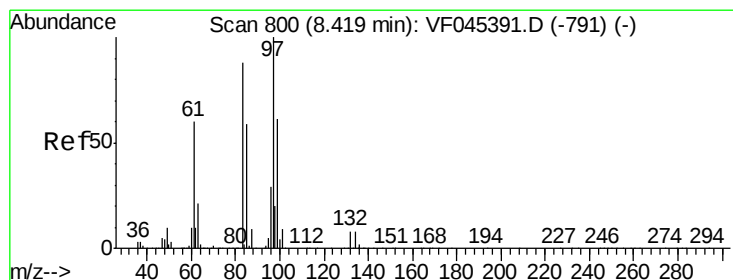
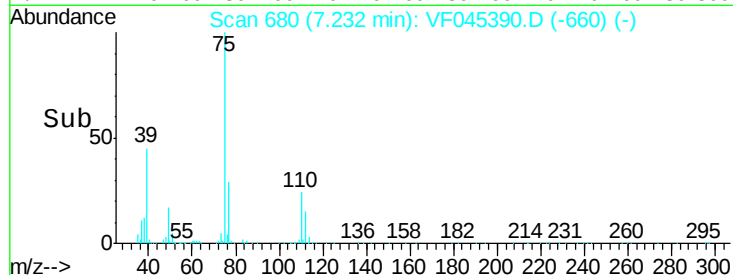
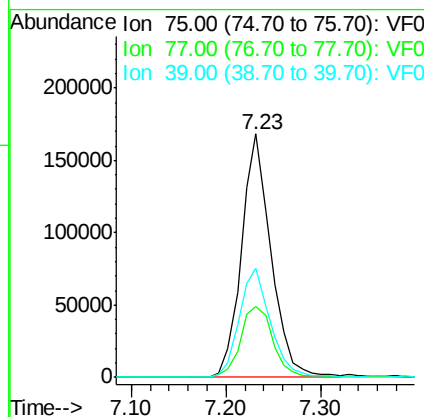
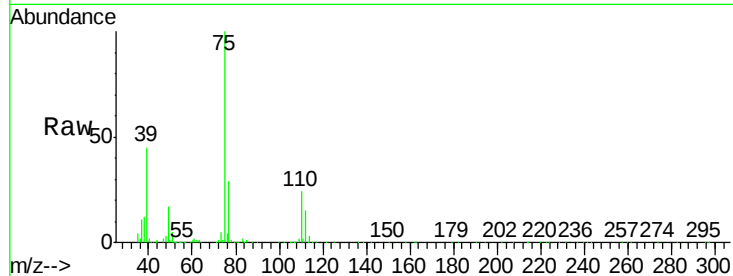
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	363707
Ion Ratio		Lower	Upper
75	100		
77	29.2	25.5	38.3
39	44.7	41.6	62.4

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#54

1,1,2-Trichloroethane

Concen: 19.57 ug/l

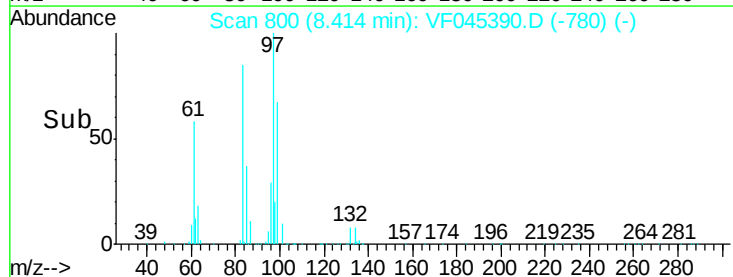
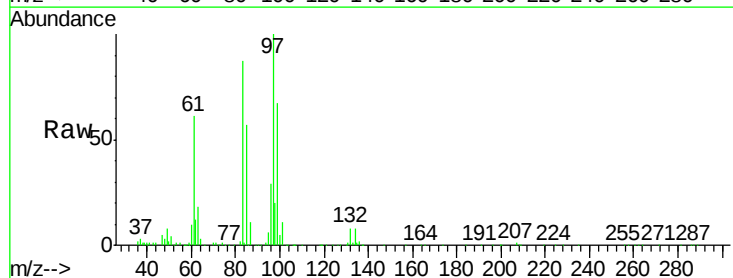
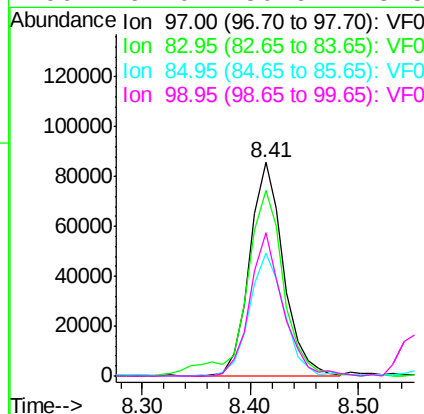
RT: 8.41 min Scan# 800

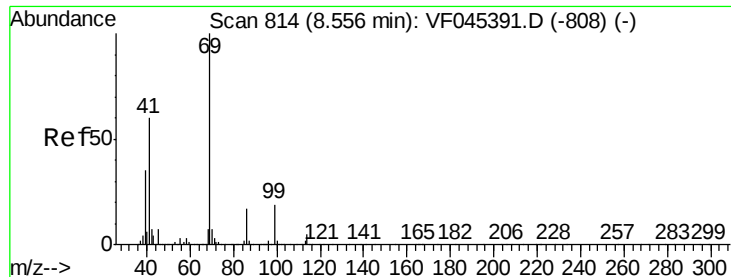
Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	97	Resp:	185930
Ion Ratio		Lower	Upper
97	100		
83	87.0	70.1	105.1
85	57.4	47.4	71.2
99	67.0	50.6	75.8





#55

Ethyl methacrylate

Concen: 18.76 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

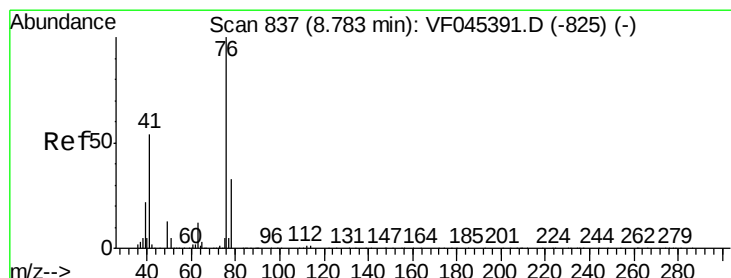
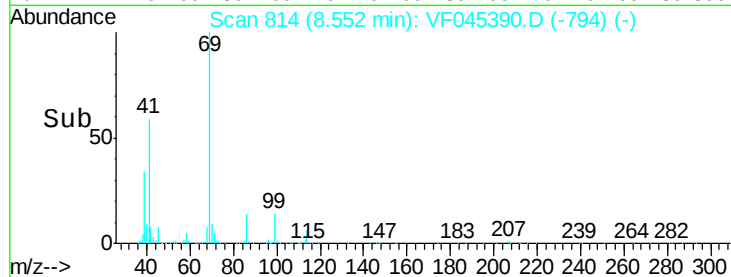
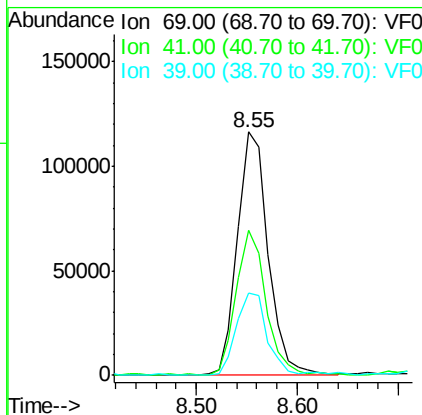
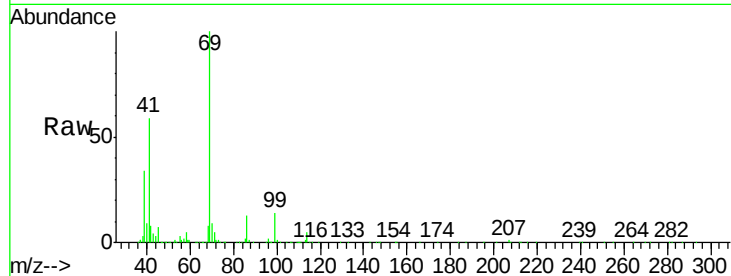
ClientSampleId :

VSTDIC020

Tot Ion:	69	Resp:	248182
Ion Ratio	Lower	Upper	
69	100		
41	59.4	51.0	76.4
39	34.0	29.1	43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 19.87 ug/l

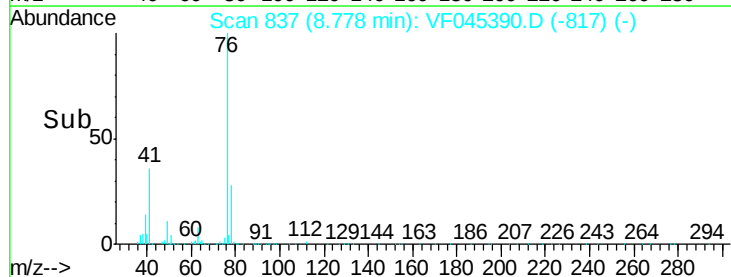
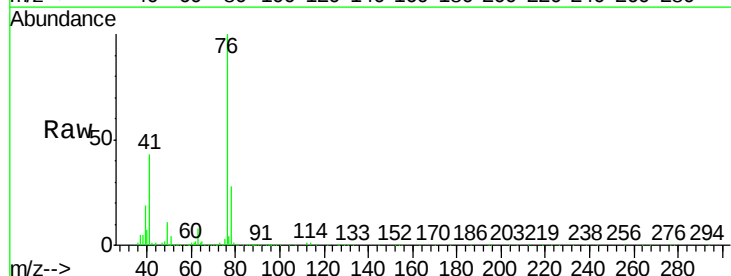
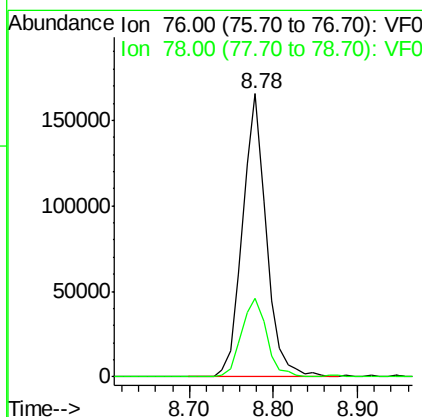
RT: 8.78 min Scan# 837

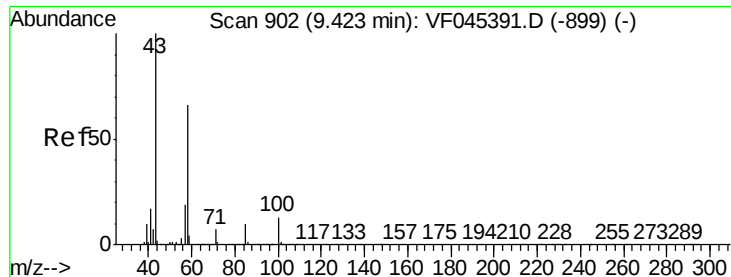
Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	76	Resp:	326818
Ion Ratio	Lower	Upper	
76	100		
78	27.6	26.1	39.1





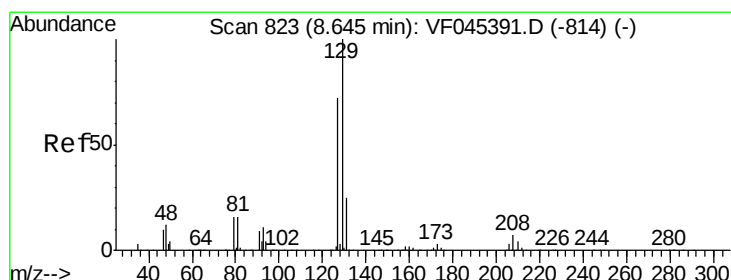
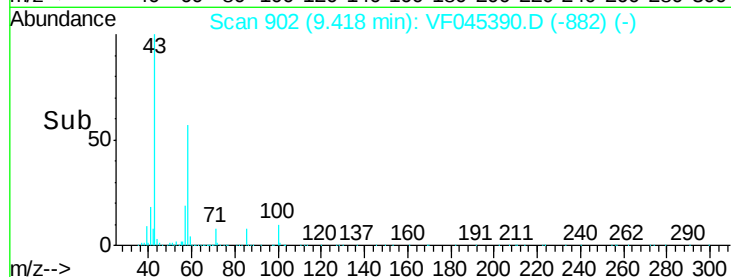
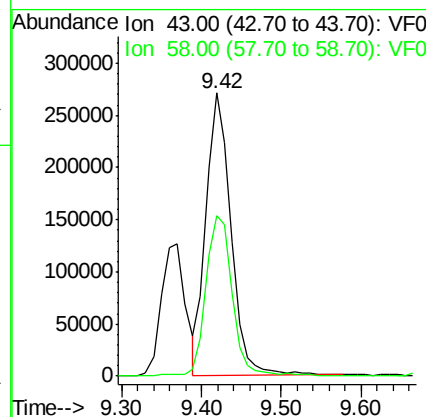
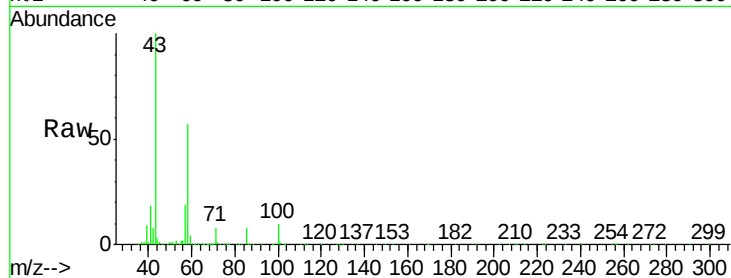
#58
2-Hexanone
Concen: 79.44 ug/l
RT: 9.42 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	28.8	86.5

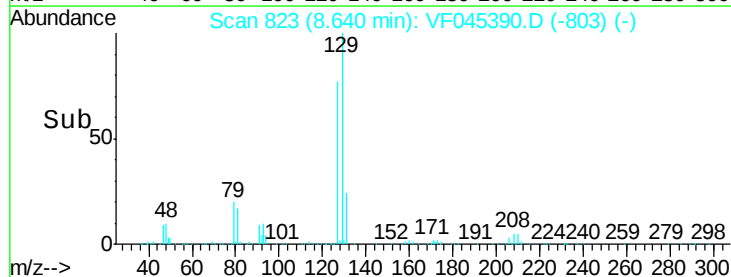
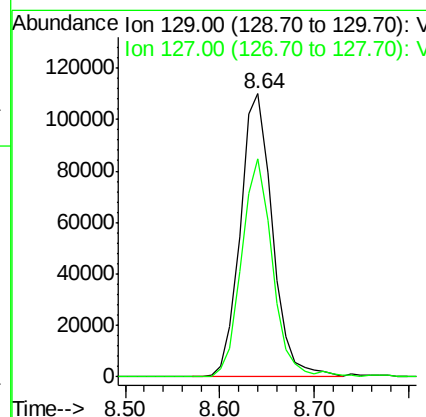
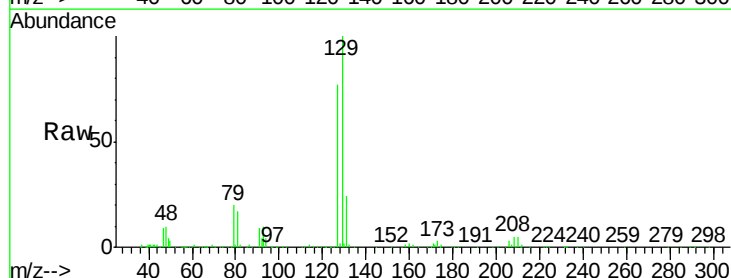
Manual Integrations
APPROVED

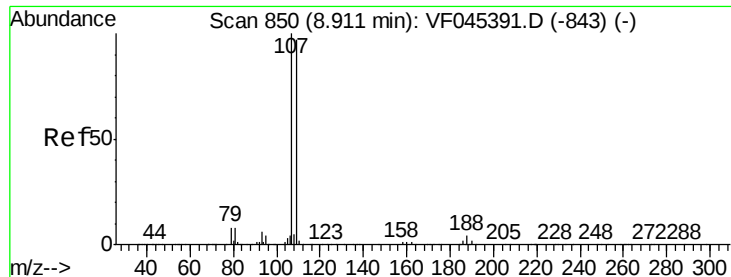
MMDadoda
9/17/2015 12:50:45 PM



#59
Dibromochloromethane
Concen: 21.65 ug/l
RT: 8.64 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.2	114.6





#60

1,2-Dibromoethane

Concen: 20.35 ug/l

RT: 8.91 min Scan# 850

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 217497

Ion Ratio Lower Upper

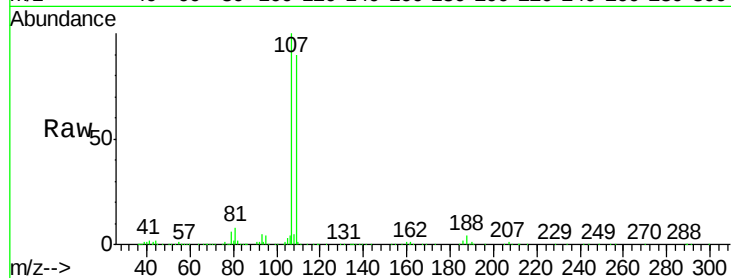
107 100

109 90.5 79.4 119.0

Manual Integrations
APPROVED

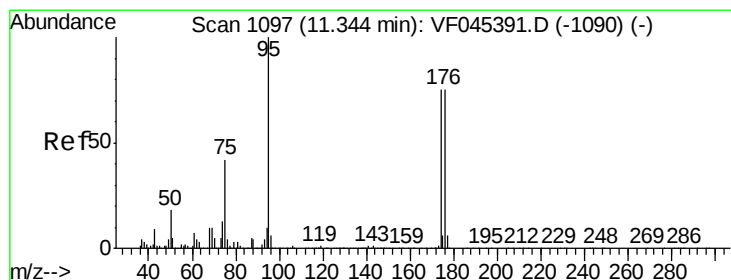
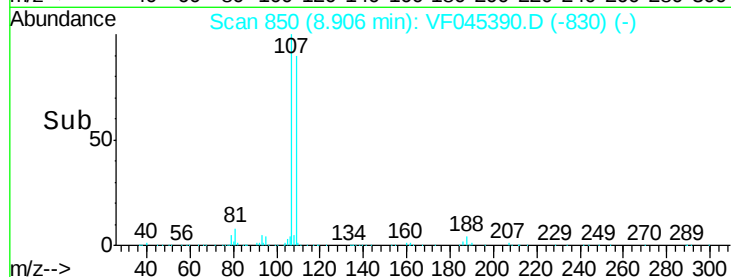
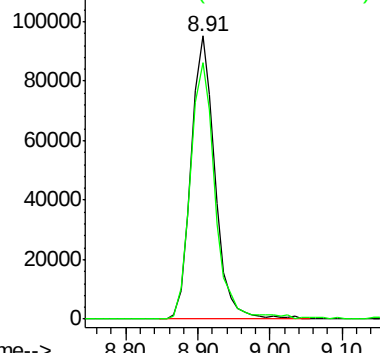
MMDadoda

9/17/2015 12:50:45 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 21.24 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

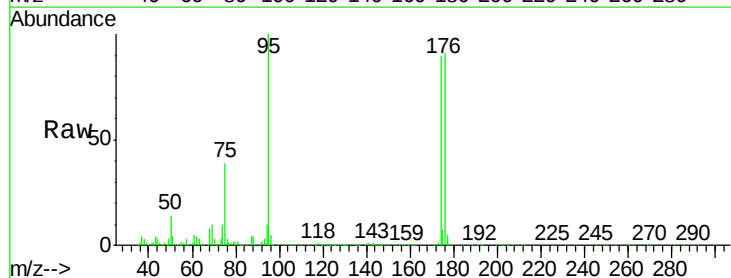
Tgt Ion: 95 Resp: 374503

Ion Ratio Lower Upper

95 100

174 89.8 0.0 177.8

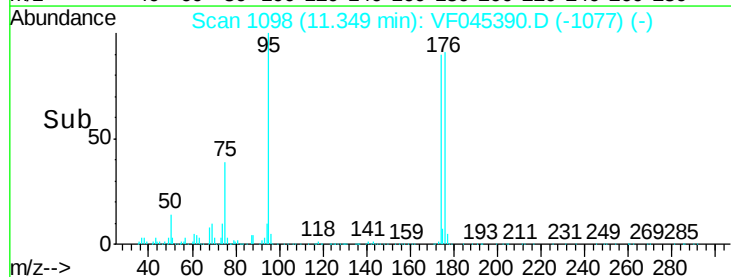
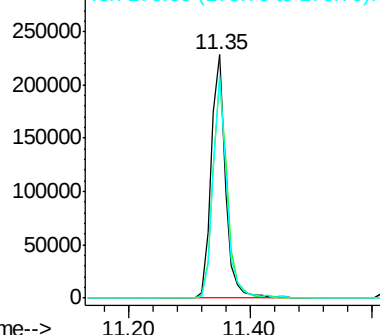
176 91.5 0.0 176.2

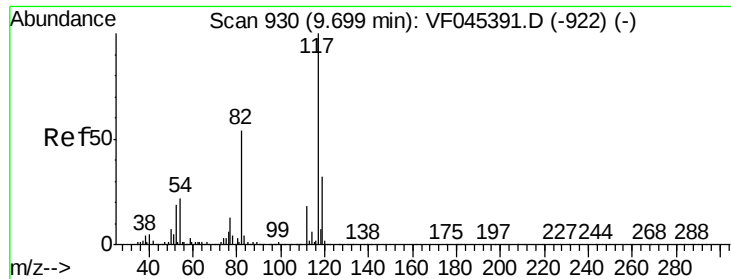


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





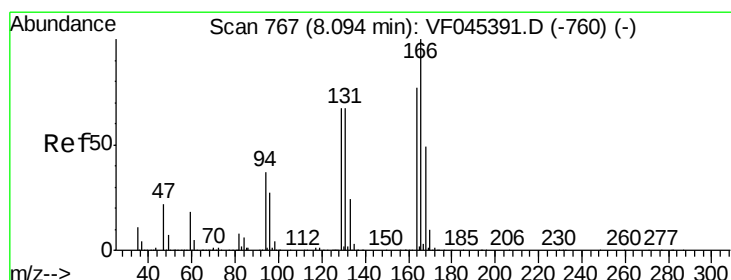
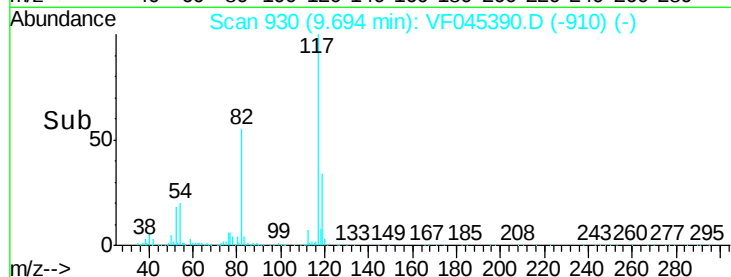
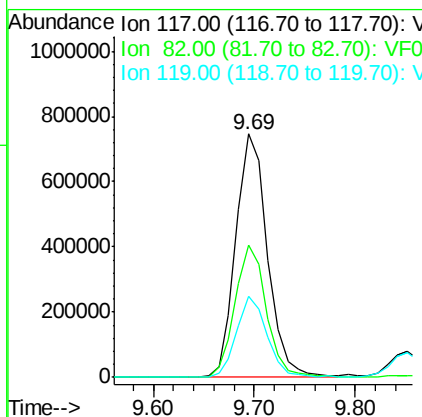
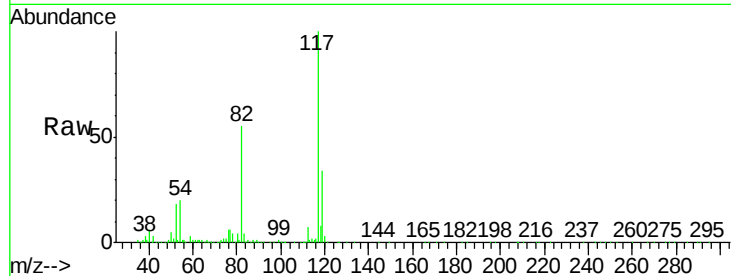
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.6
119	33.5	26.2	39.4

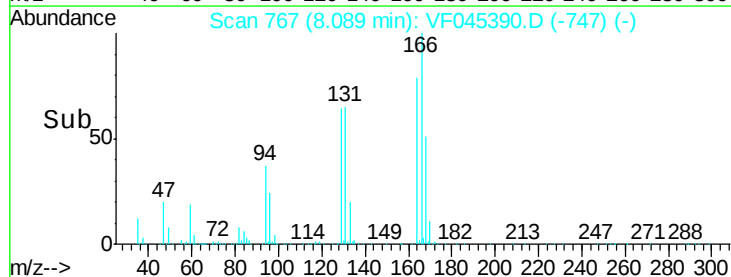
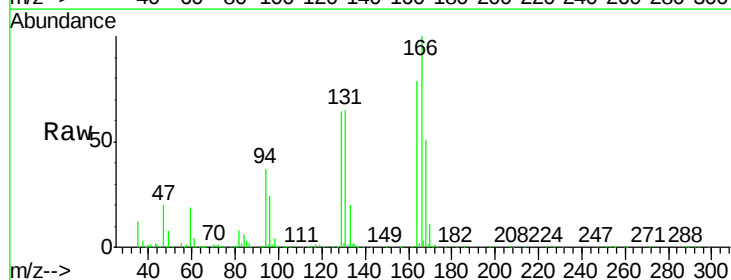
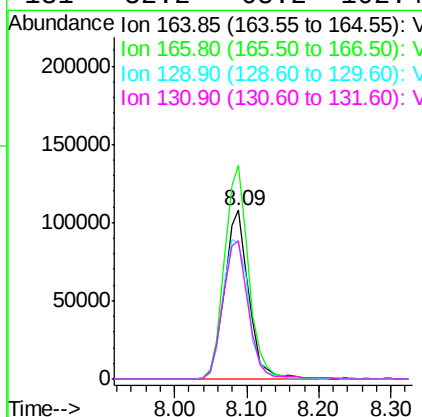
Manual Integrations
APPROVED

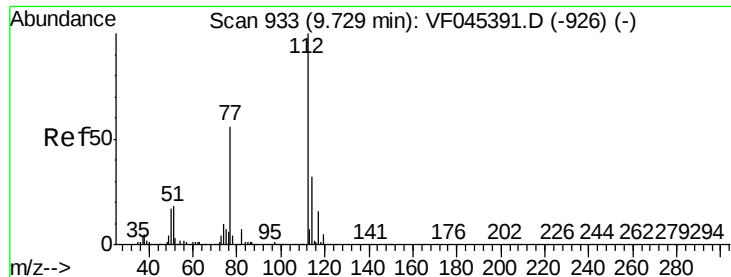
MMDadoda
9/17/2015 12:50:45 PM



#63
Tetrachloroethene
Concen: 22.35 ug/l
RT: 8.09 min Scan# 767
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	106.0	159.0
129	80.8	69.8	104.6
131	82.2	68.2	102.4





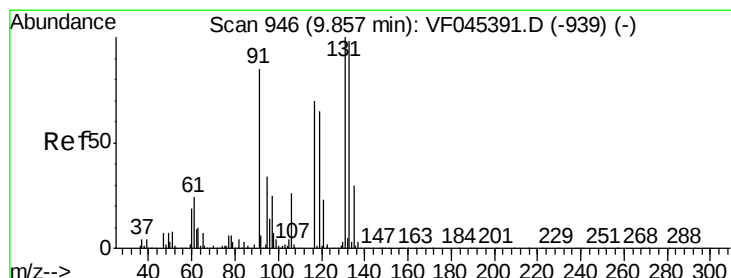
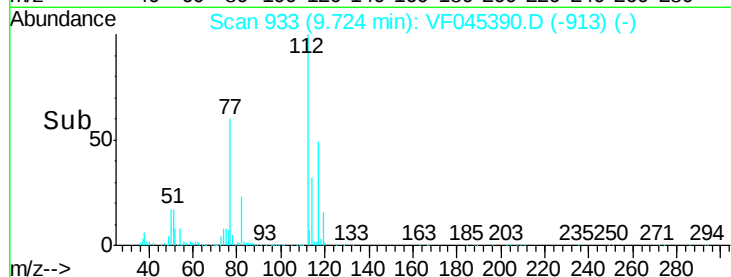
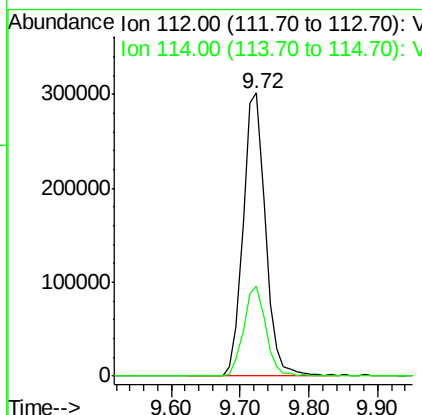
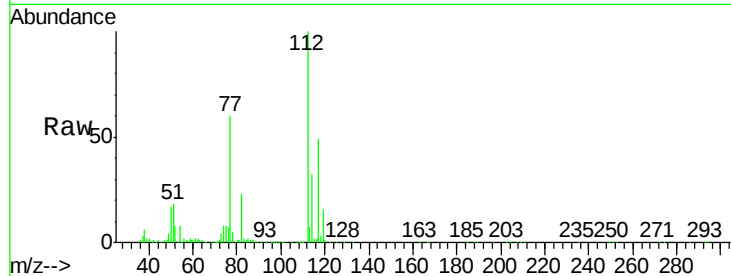
#64
Chlorobenzene
Concen: 20.15 ug/l
RT: 9.72 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

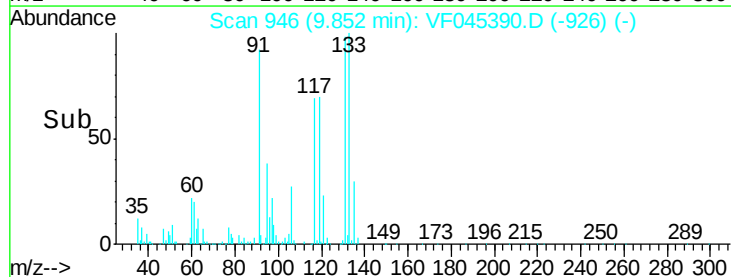
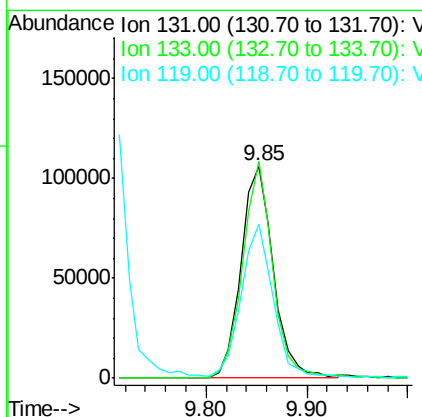
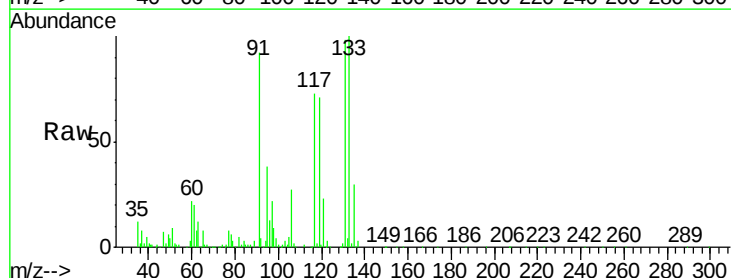
Manual Integrations
APPROVED

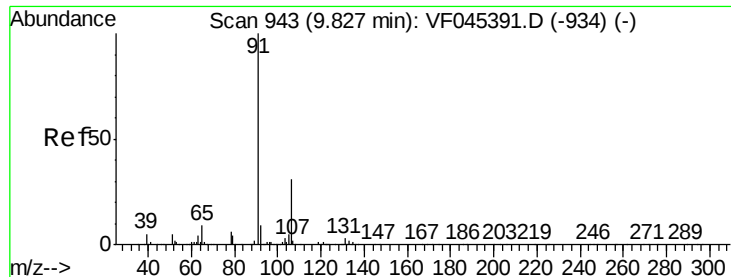
MMDadoda
9/17/2015 12:50:45 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 9.85 min Scan# 946
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.3	48.1	144.4
119	72.7	34.8	104.5





#66

Ethyl Benzene

Concen: 19.68 ug/l

RT: 9.82 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 1174952

Ion Ratio Lower Upper

91 100

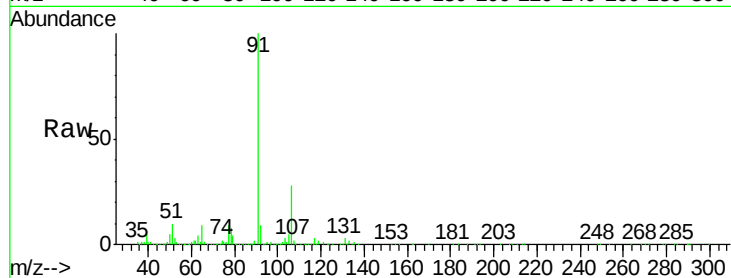
106 28.5 23.6 35.4

Manual Integrations

APPROVED

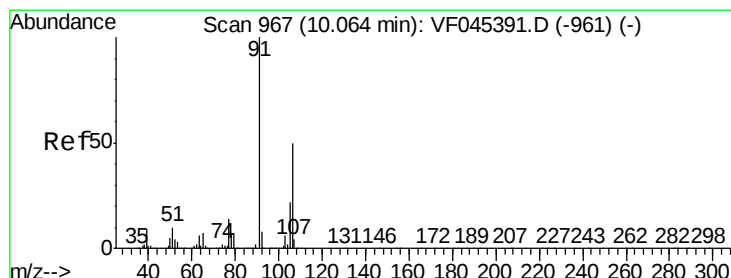
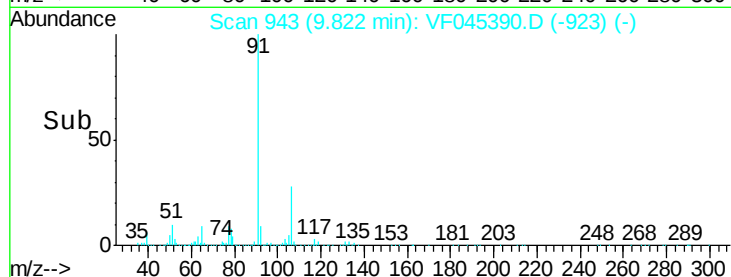
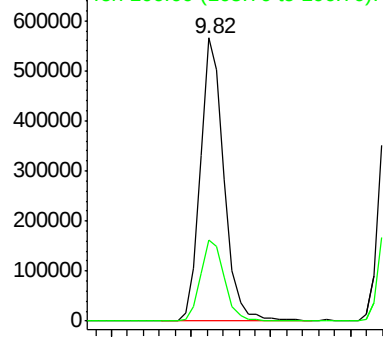
MMDadoda

9/17/2015 12:50:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#67

m/p-Xylenes

Concen: 41.34 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF045390.D

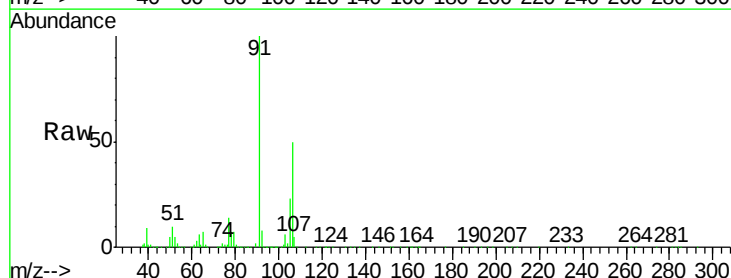
Acq: 16 Sep 2015 14:12

Tgt Ion:106 Resp: 855555

Ion Ratio Lower Upper

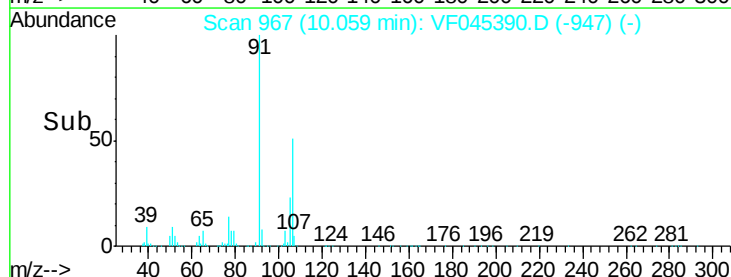
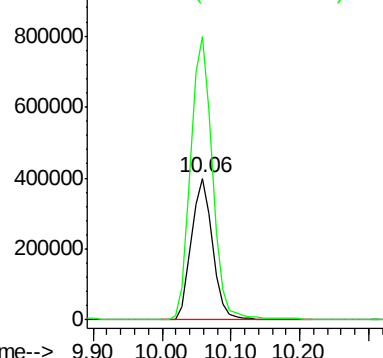
106 100

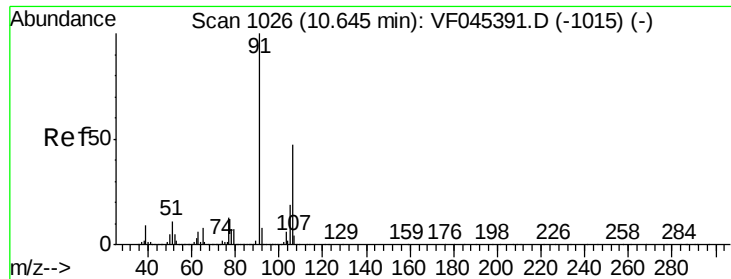
91 200.1 166.1 249.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





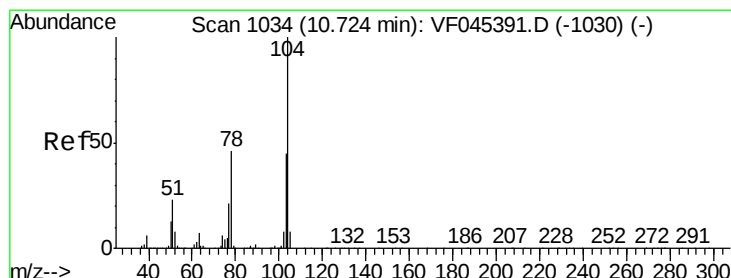
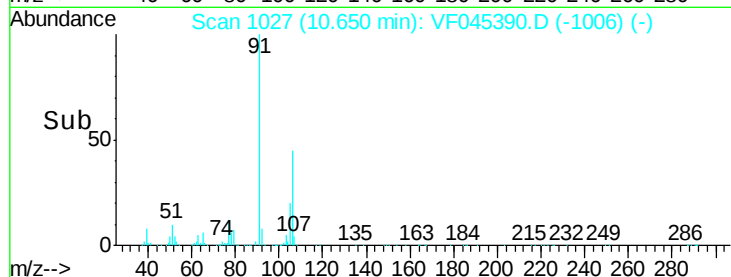
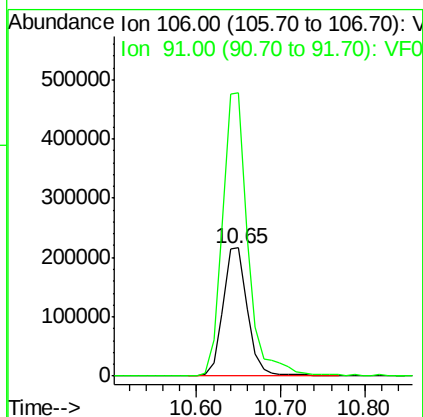
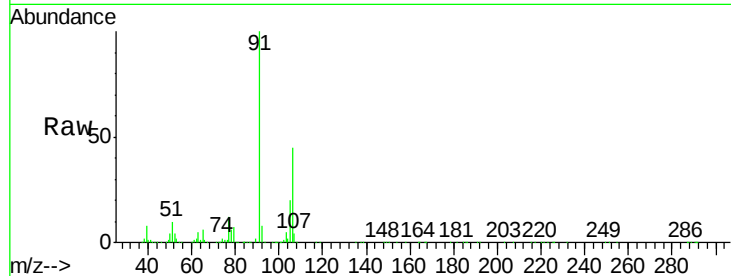
#68
o-Xylene
Concen: 20.26 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC020

Tot Ion:106 Resp: 439287
Ion Ratio Lower Upper
106 100
91 220.7 108.1 324.2

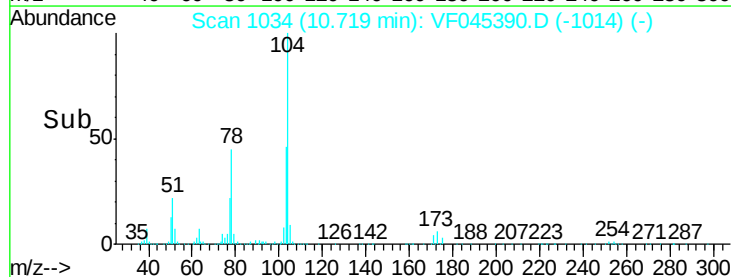
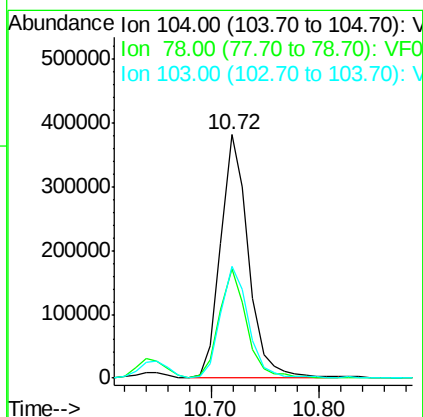
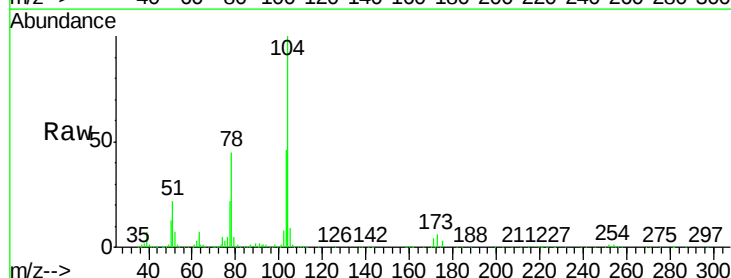
Manual Integrations
APPROVED

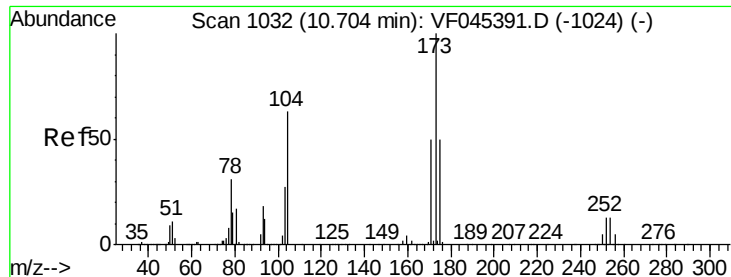
MMDadoda
9/17/2015 12:50:45 PM



#69
Styrene
Concen: 19.61 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion:104 Resp: 681560
Ion Ratio Lower Upper
104 100
78 45.0 34.2 51.4
103 46.0 36.7 55.1





#70

Bromoform

Concen: 21.55 ug/l

RT: 10.70 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

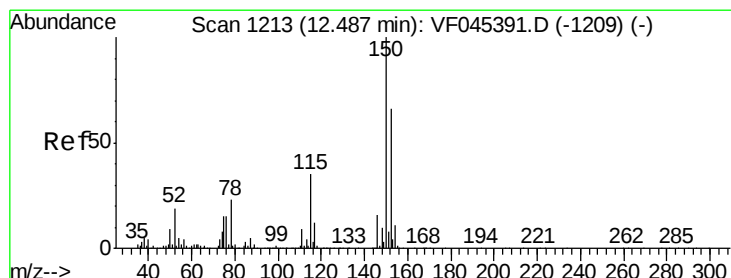
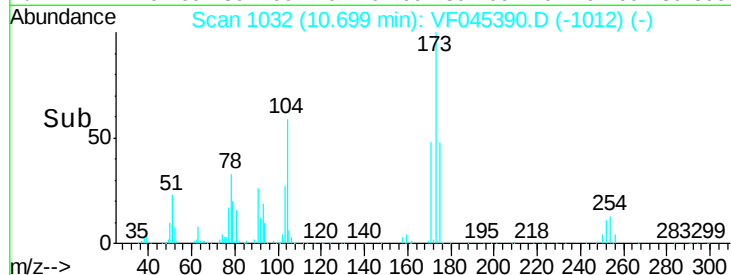
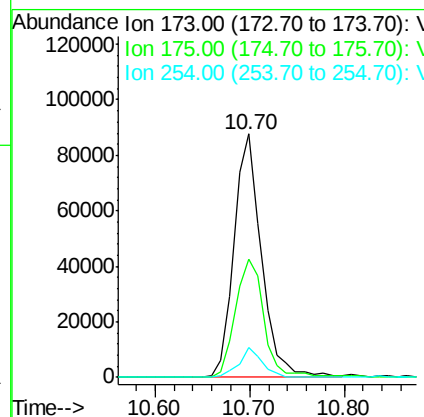
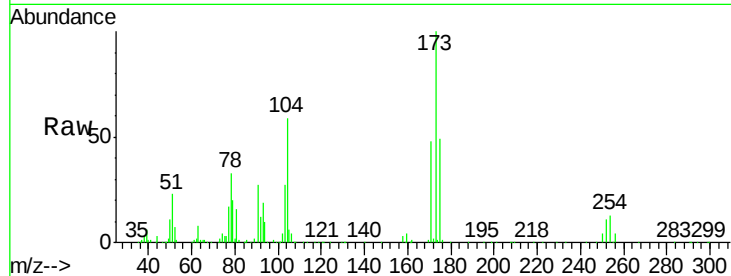
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	176218
Ion Ratio	Lower	Upper	
173	100		
175	48.6	25.7	77.0
254	12.8	9.8	14.6

Manual Integrations
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9/17/2015 12:50:45 PM



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

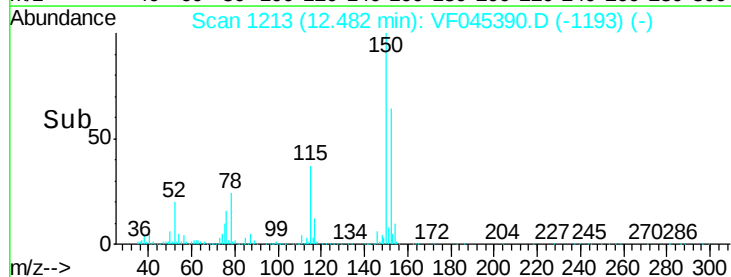
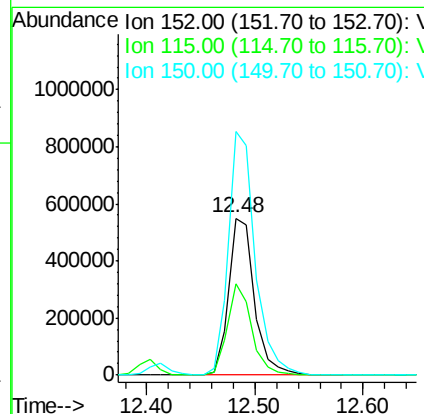
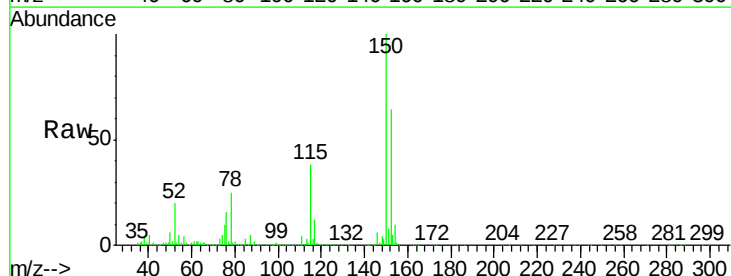
RT: 12.48 min Scan# 1213

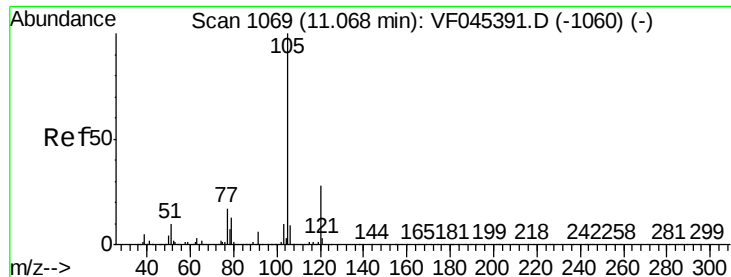
Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	152	Resp:	915031
Ion Ratio	Lower	Upper	
152	100		
115	58.2	28.3	85.0
150	155.2	0.0	324.2





#72

Isopropylbenzene

Concen: 19.31 ug/l

RT: 11.06 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1293402

Ion Ratio Lower Upper

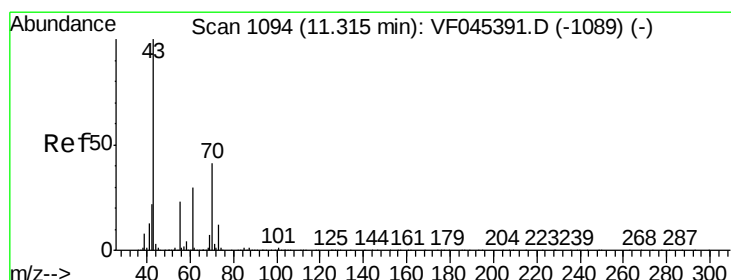
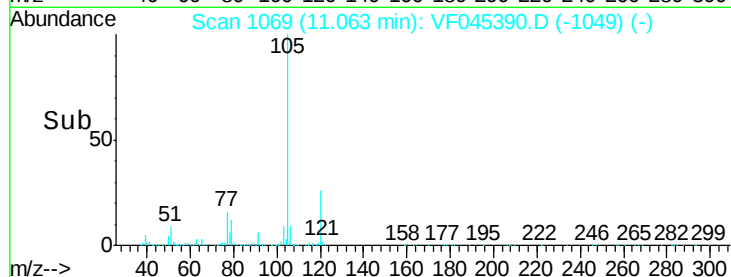
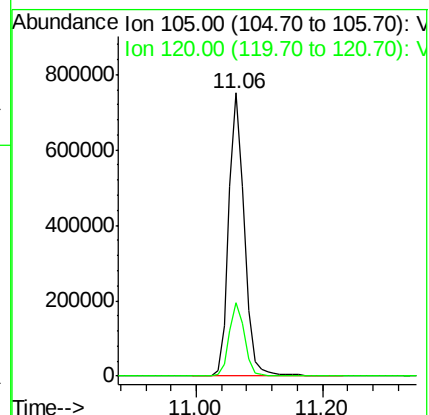
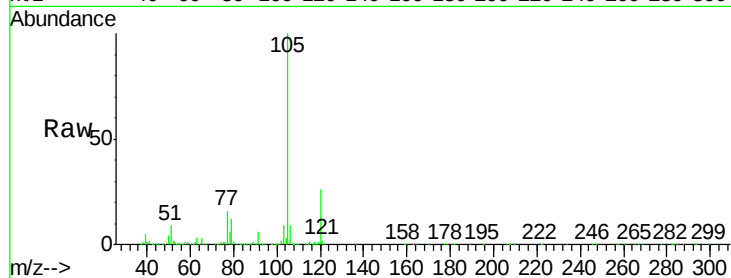
105 100

120 25.9 13.0 39.0

Manual Integrations
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9/17/2015 12:50:45 PM



#73

N-ethyl acetate

Concen: 14.45 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion: 43 Resp: 334575

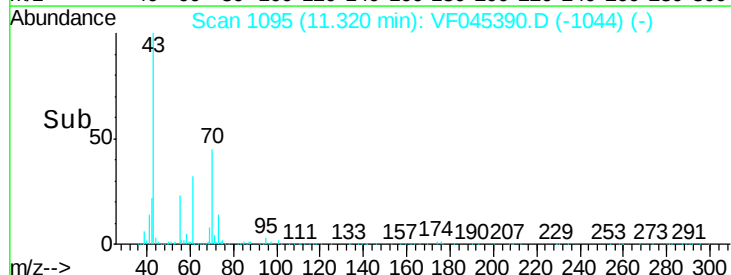
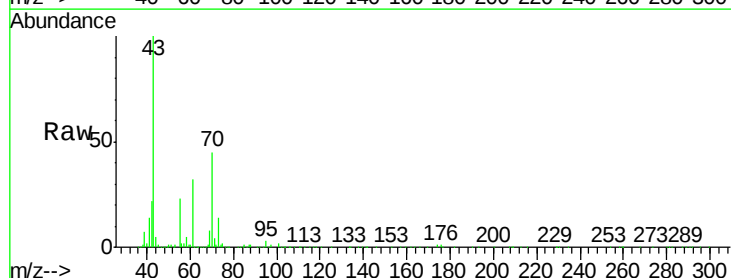
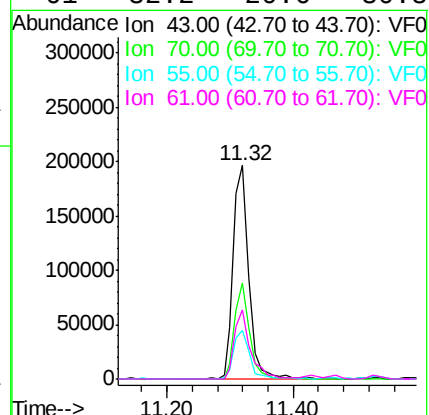
Ion Ratio Lower Upper

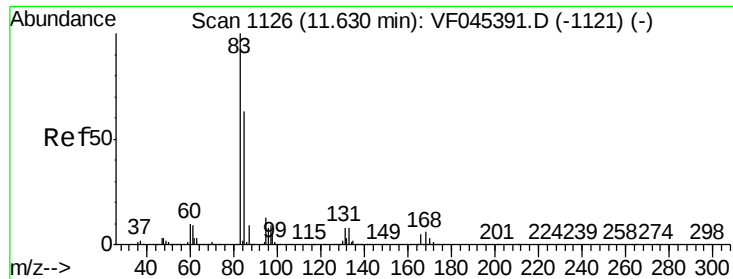
43 100

70 45.2 30.0 45.0#

55 22.7 16.8 25.2

61 32.2 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 17.40 ug/l

RT: 11.63 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

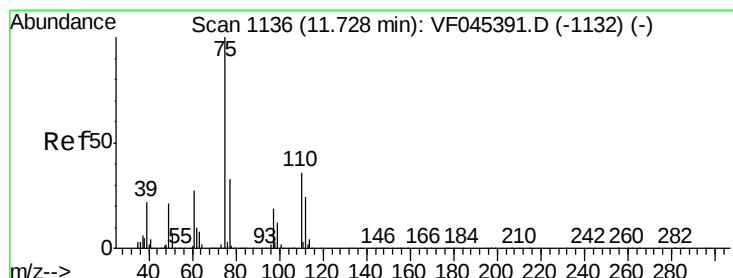
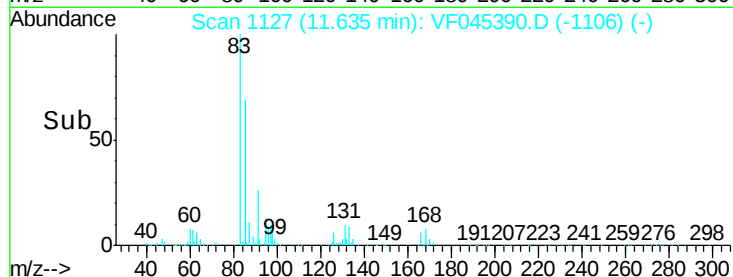
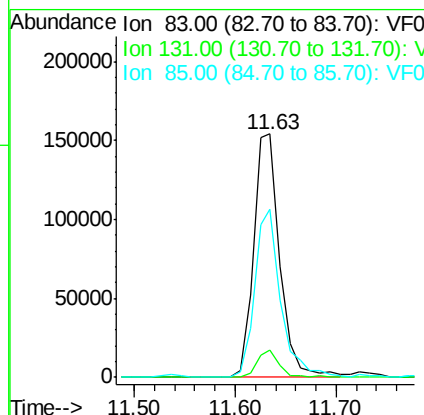
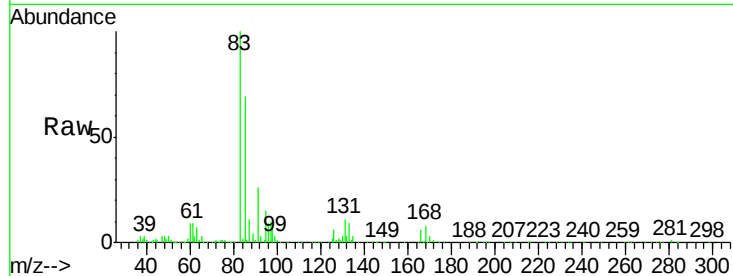
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	279762
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.2	12.6
85	69.0	32.5	97.5

Manual Integrations
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9/17/2015 12:50:45 PM



#75

1,2,3-Trichloropropane

Concen: 15.52 ug/l

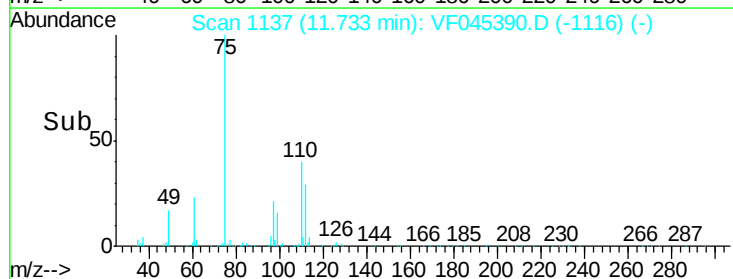
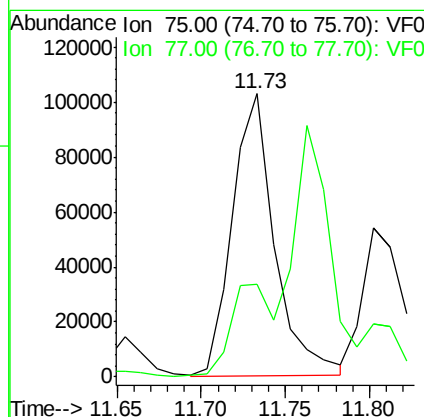
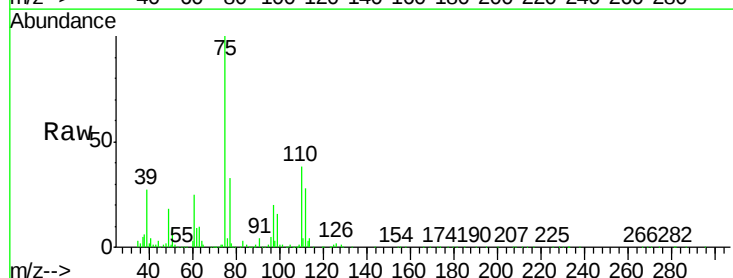
RT: 11.73 min Scan# 1137

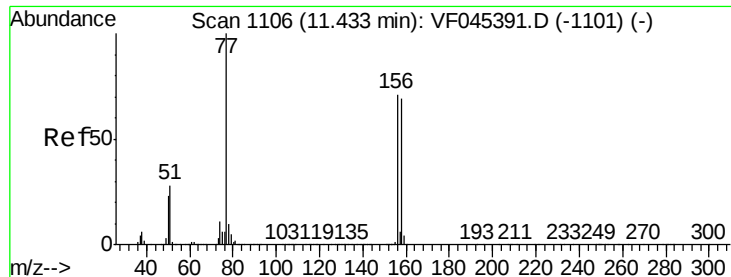
Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	75	Resp:	179630
Ion Ratio	Lower	Upper	
75	100		
77	32.6	15.0	45.1





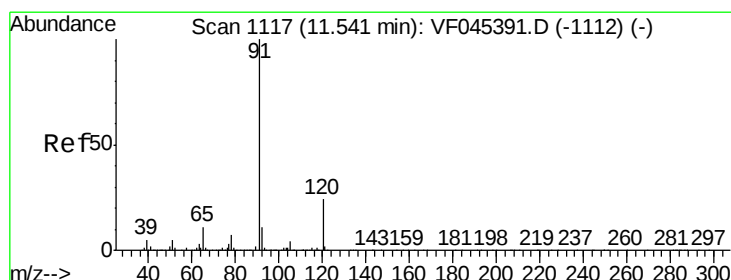
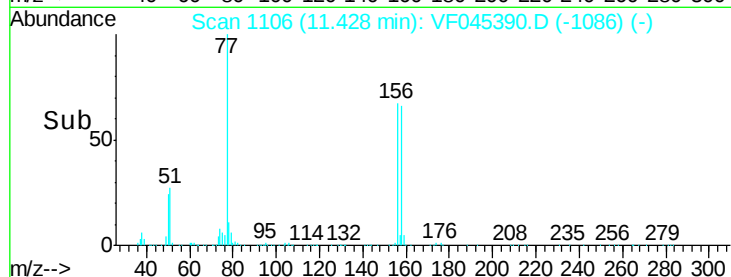
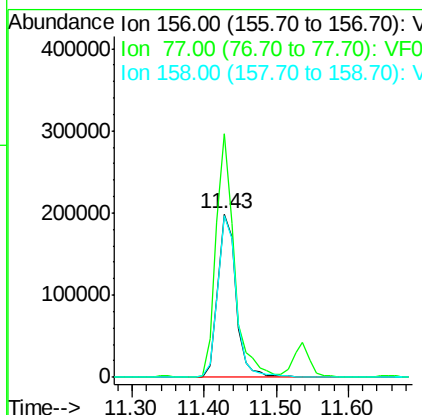
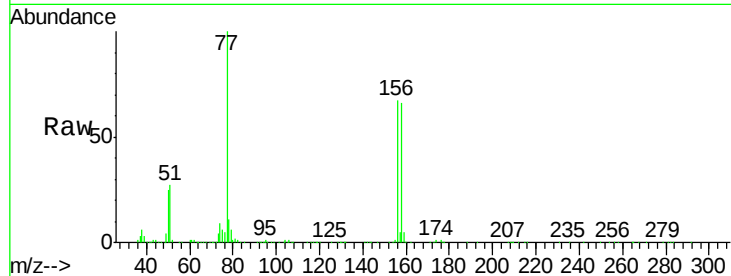
#76
Bromobenzene
Concen: 20.12 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.4	74.8	224.3
158	99.0	49.5	148.7

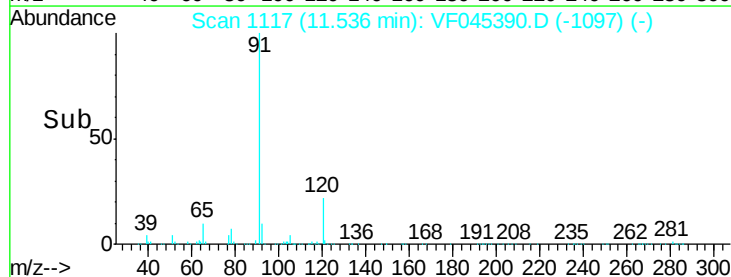
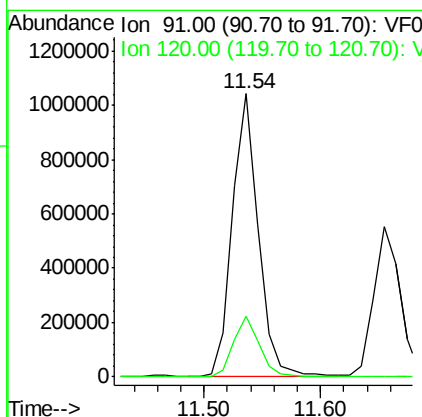
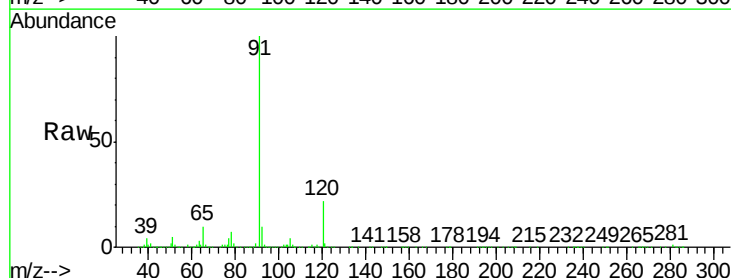
Manual Integrations
APPROVED

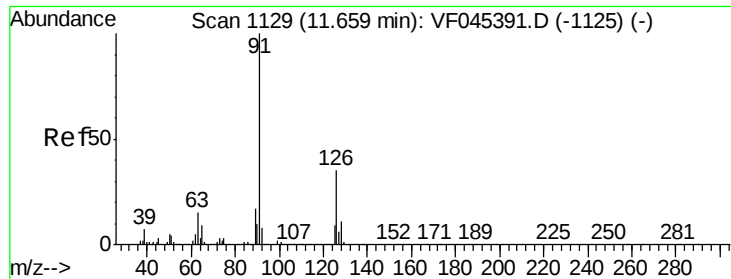
MMDadoda
9/17/2015 12:50:45 PM



#77
n-propylbenzene
Concen: 18.76 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.6	34.7





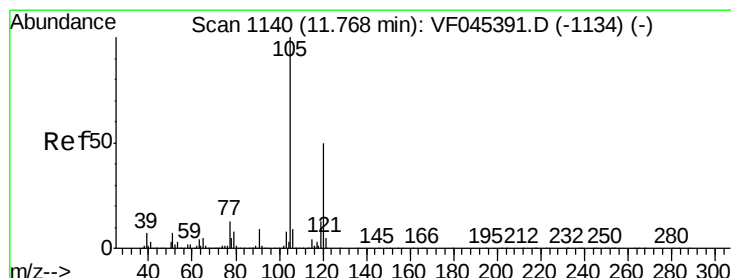
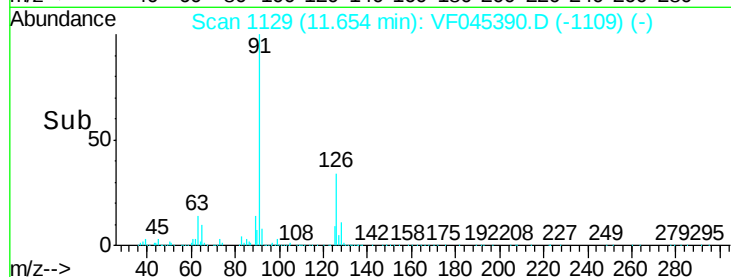
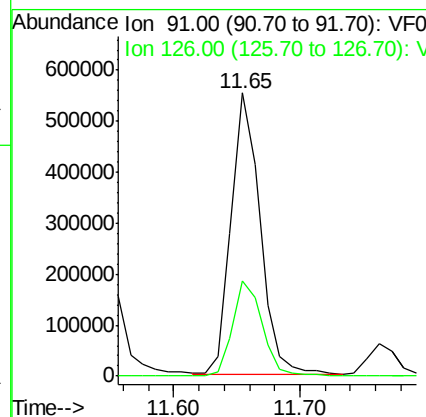
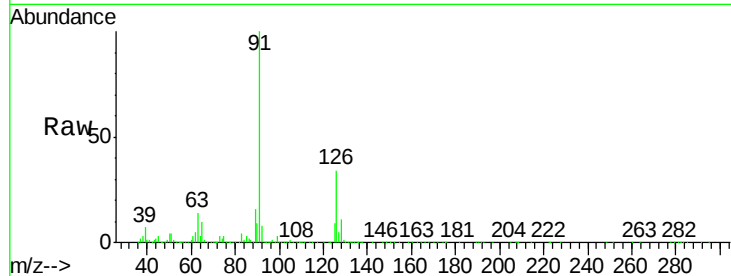
#78
 2-Chlorotoluene
 Concen: 18.34 ug/l
 RT: 11.65 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 874946
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.9 50.7

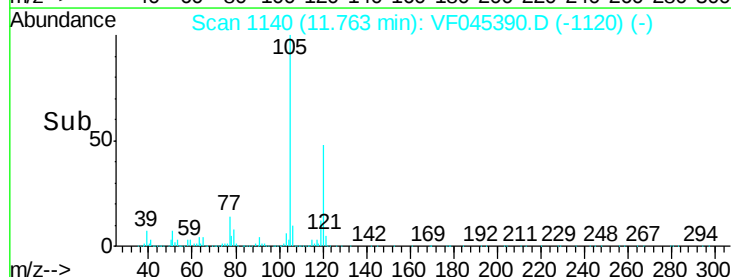
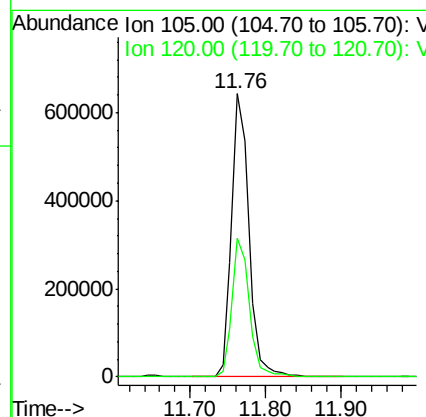
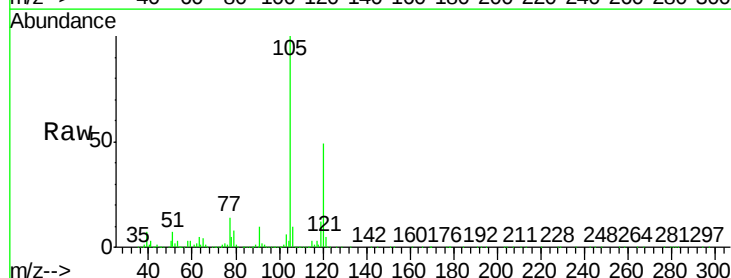
Manual Integrations
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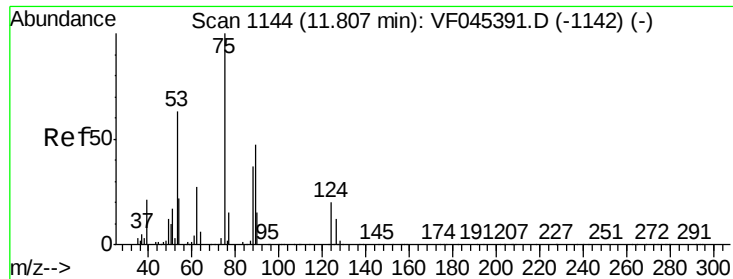
MMDadoda
 9/17/2015 12:50:45 PM



#79
 1,3,5-Trimethylbenzene
 Concen: 19.08 ug/l
 RT: 11.76 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion: 105 Resp: 1022719
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.2 75.6





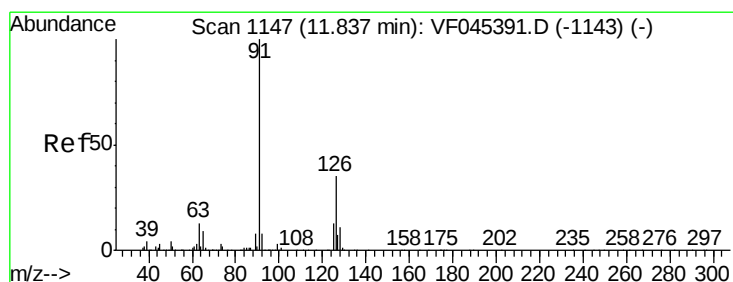
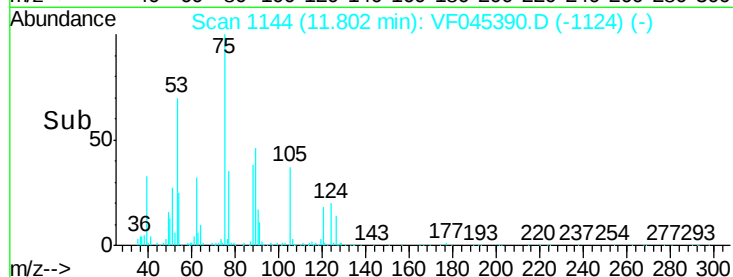
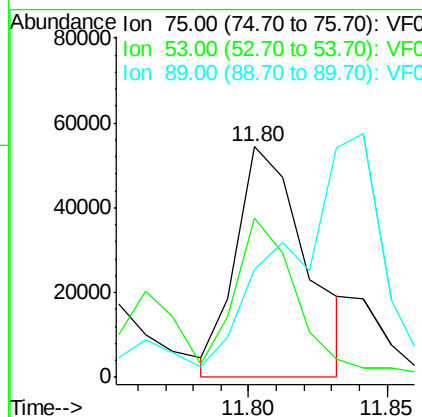
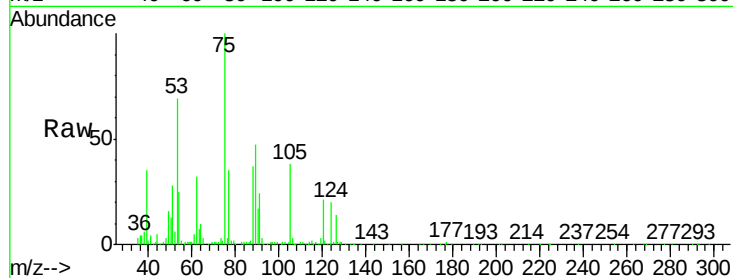
#80
trans-1,4-Dichloro-2-butene
Concen: 16.97 ug/l m
RT: 11.80 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	69.3	51.0	76.6
89	46.8	38.6	57.8

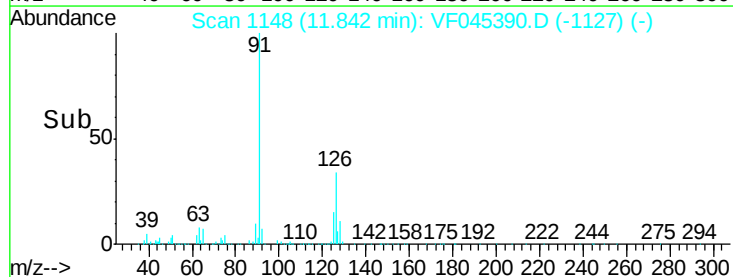
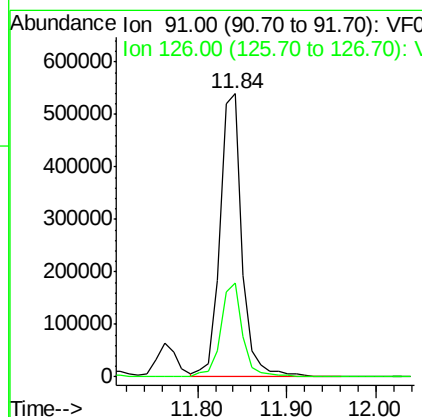
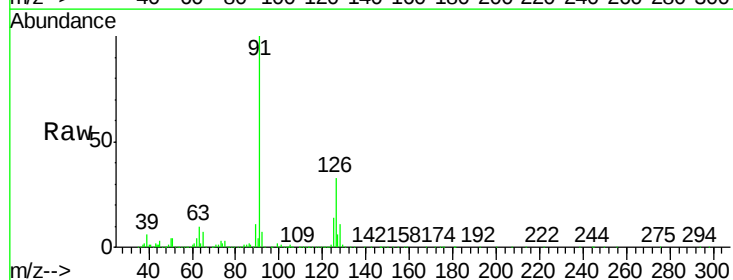
Manual Integrations
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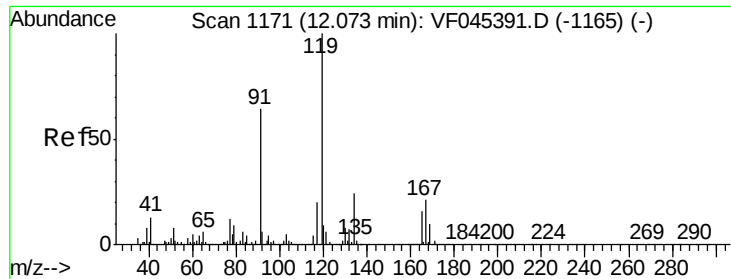
MMDadoda
9/17/2015 12:50:45 PM



#81
4-Chlorotoluene
Concen: 18.24 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	15.8	47.4





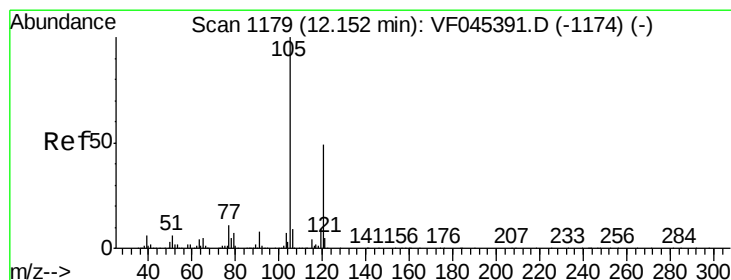
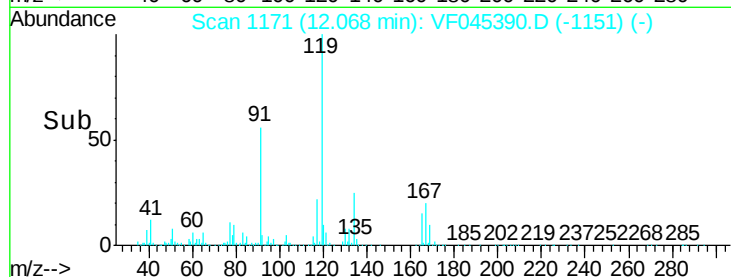
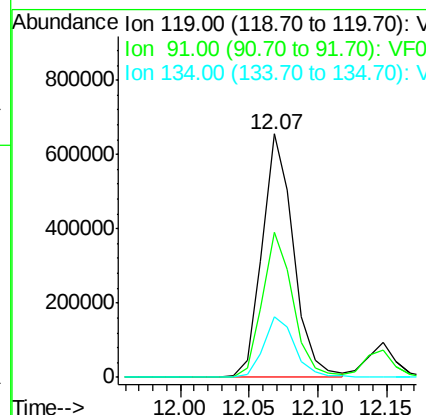
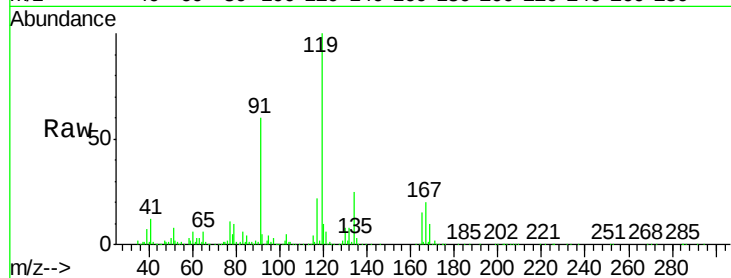
#82
 tert-Butylbenzene
 Concen: 20.01 ug/l
 RT: 12.07 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	31.1	93.2
134	24.9	12.2	36.6

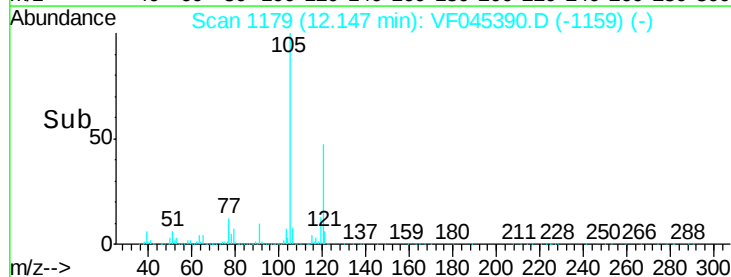
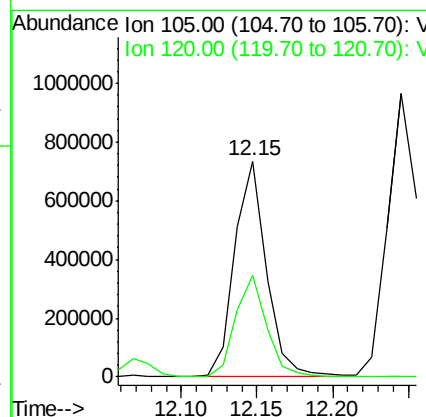
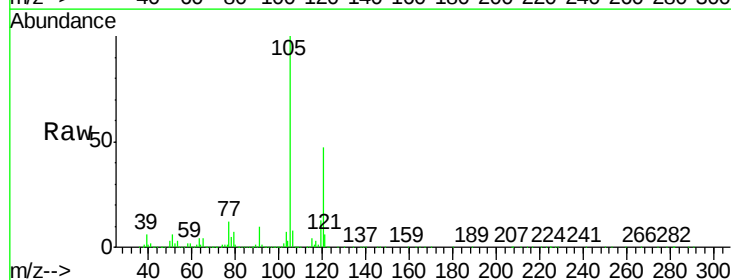
Manual Integrations
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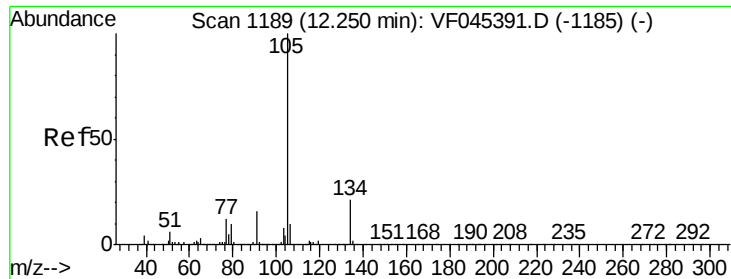
MMDadoda
 9/17/2015 12:50:45 PM



#83
 1,2,4-Trimethylbenzene
 Concen: 19.84 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.9	68.7





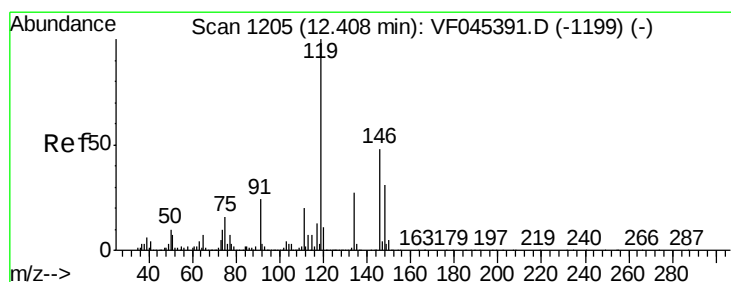
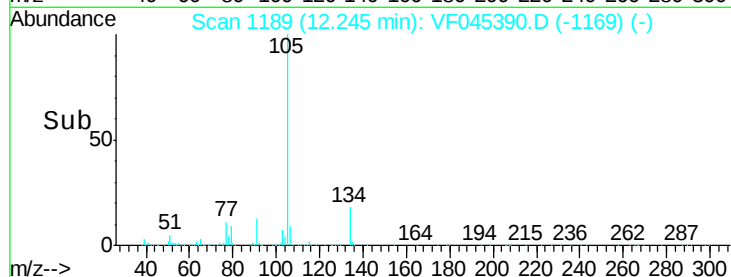
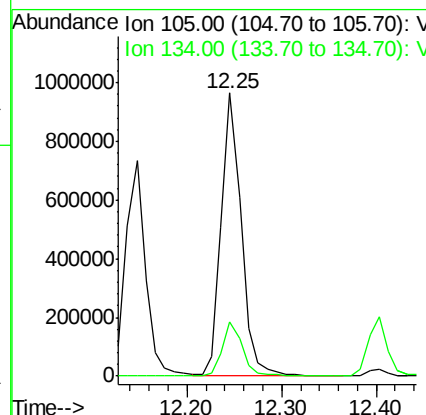
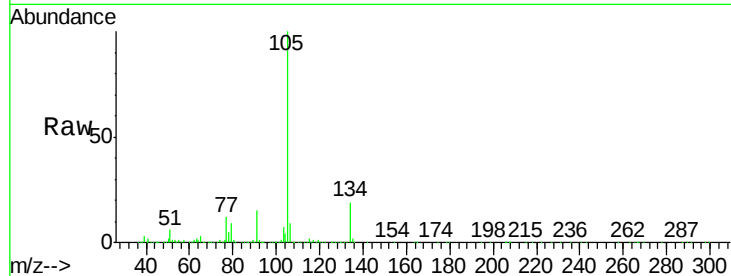
#84
 sec-Butylbenzene
 Concen: 19.94 ug/l
 RT: 12.25 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Tot Ion:105 Resp: 1421935
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.5 31.6

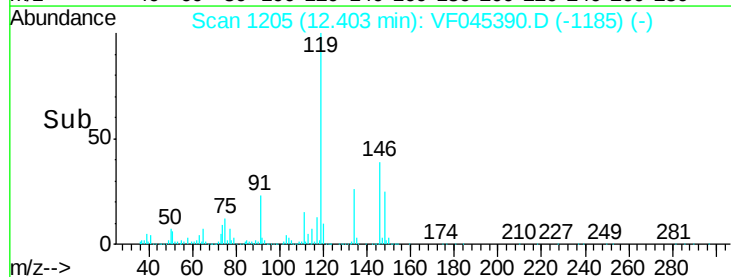
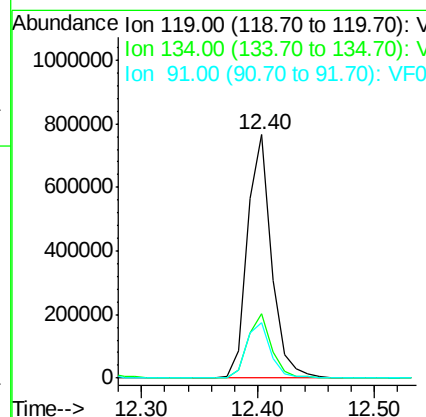
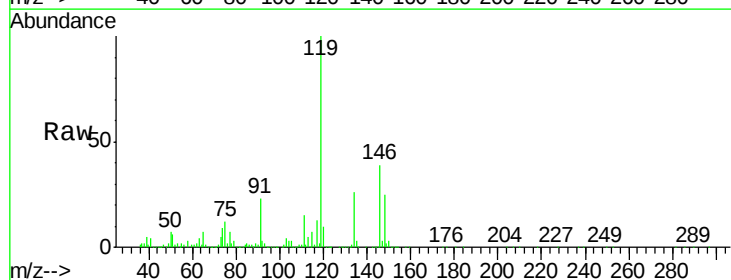
Manual Integrations
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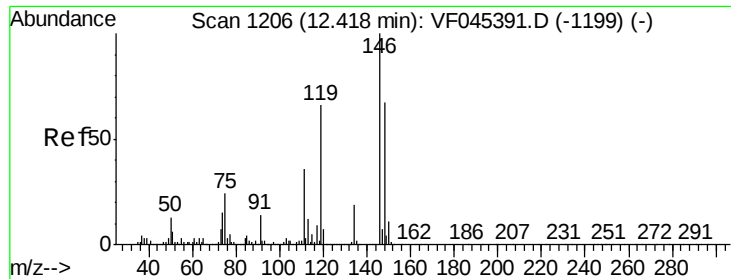
MMDadoda
 9/17/2015 12:50:45 PM



#85
 p-Isopropyltoluene
 Concen: 20.39 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion:119 Resp: 1096592
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 38.9
 91 23.0 12.2 36.6





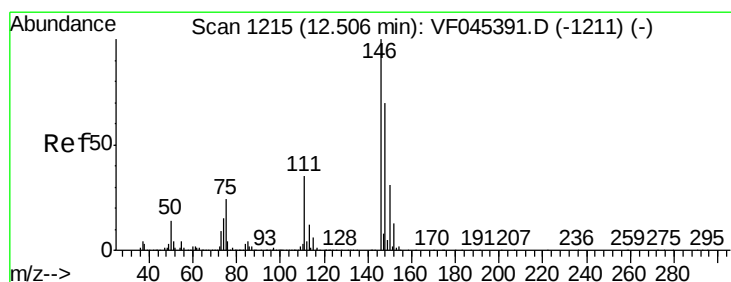
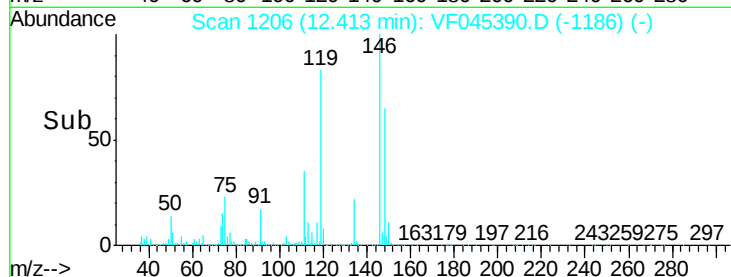
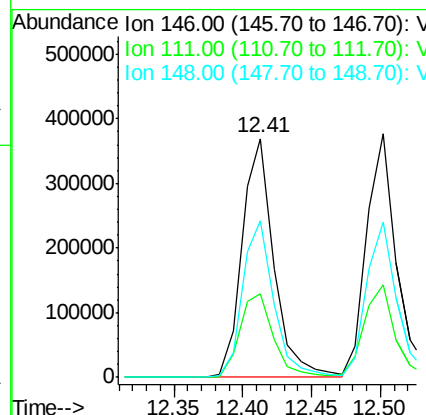
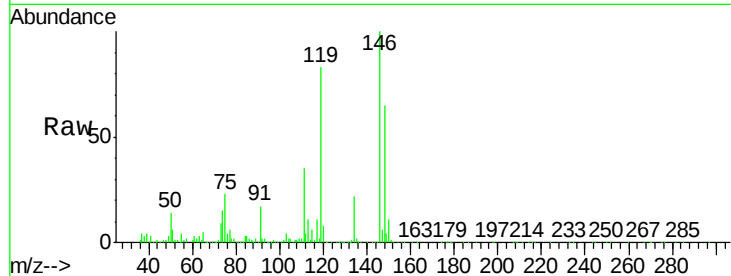
#86
 1,3-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	19.9	59.7
148	65.4	32.5	97.4

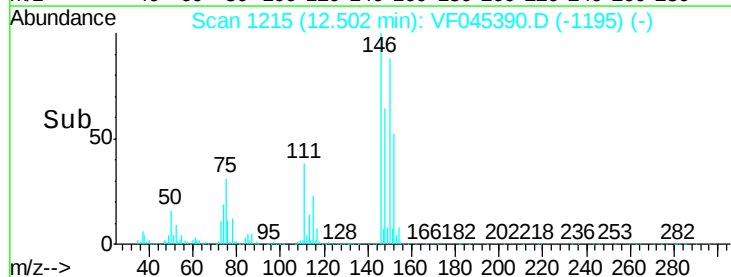
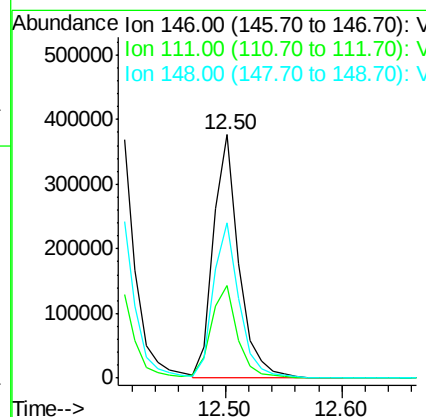
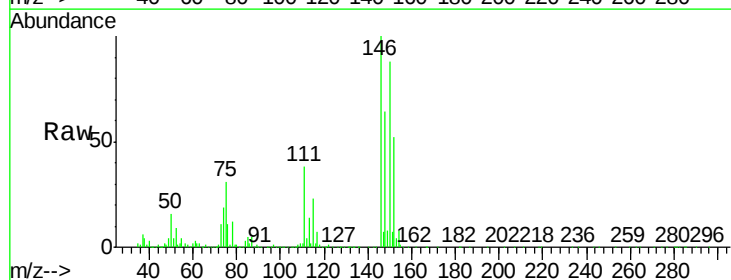
Manual Integrations
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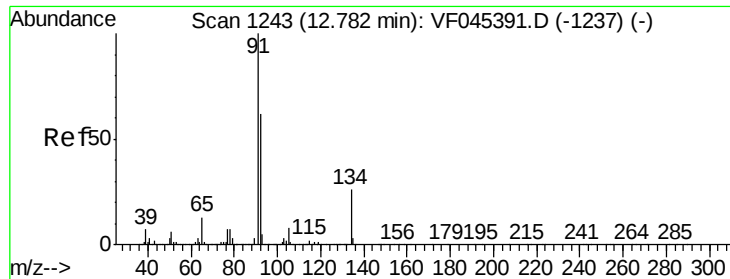
MMDadoda
 9/17/2015 12:50:45 PM



#87
 1,4-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	17.3	52.0
148	63.5	32.4	97.0





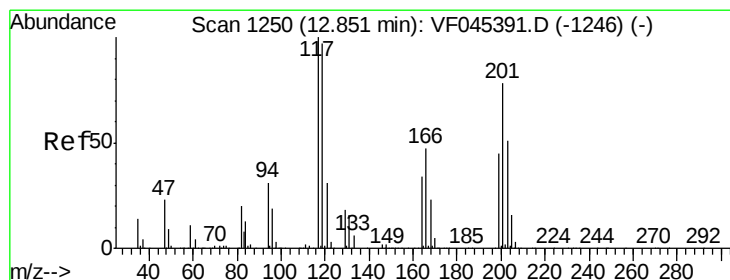
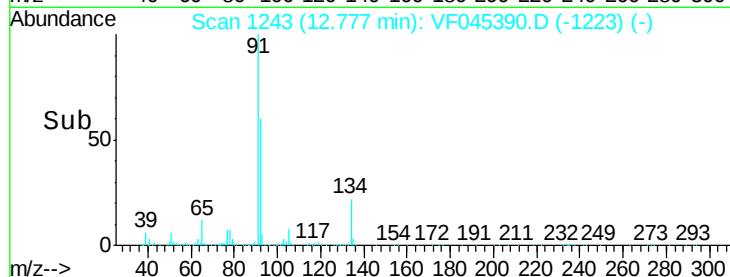
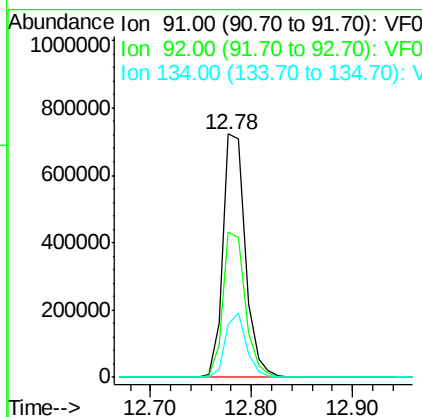
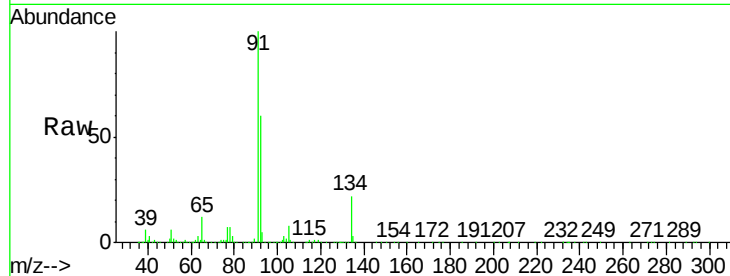
#88
n-Butylbenzene
Concen: 19.75 ug/l
RT: 12.78 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.6	30.1	90.5
134	21.6	13.8	41.4

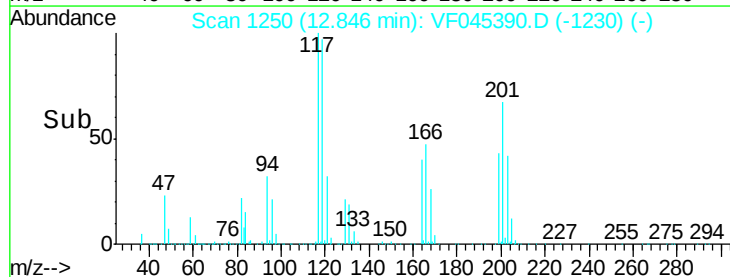
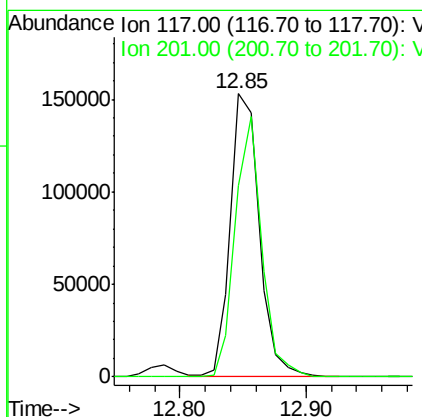
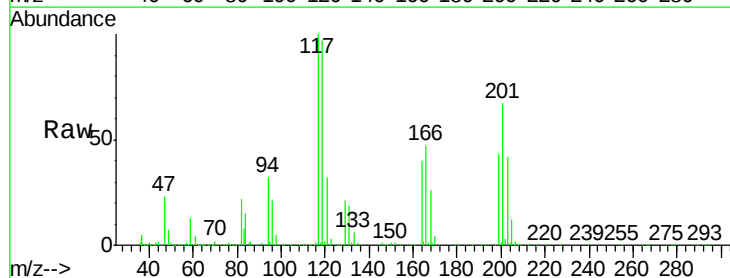
Manual Integrations
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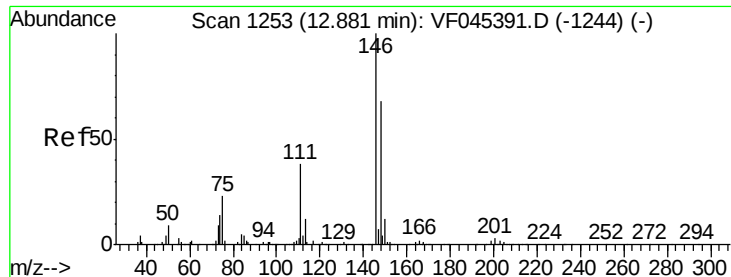
MMDadoda
9/17/2015 12:50:45 PM



#89
Hexachloroethane
Concen: 20.49 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VF045390.D
Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	42.0	126.1





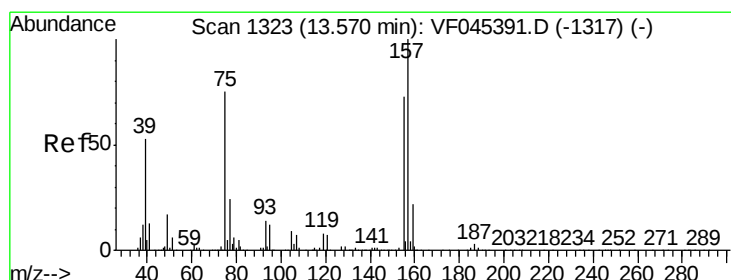
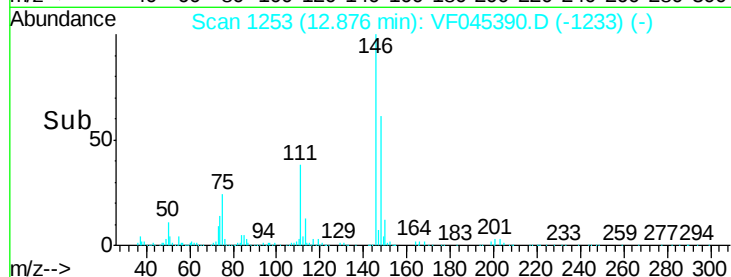
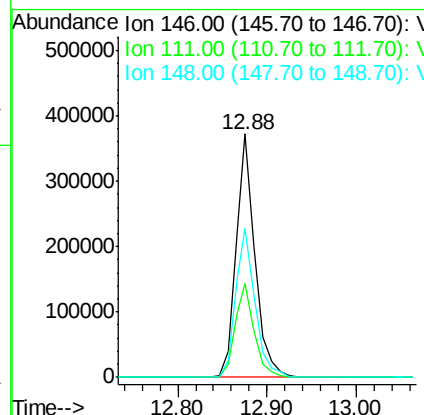
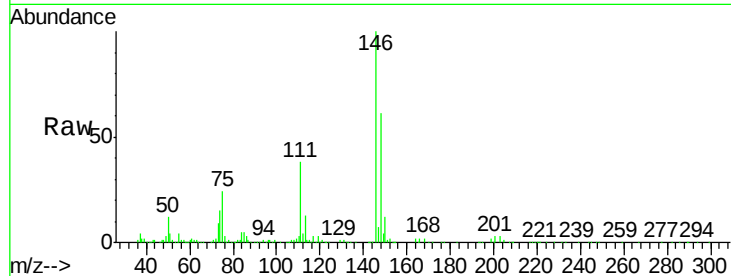
#90
 1,2-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	21.4	64.3
148	61.1	31.4	94.3

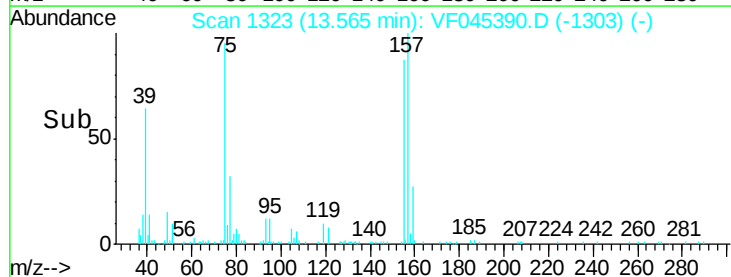
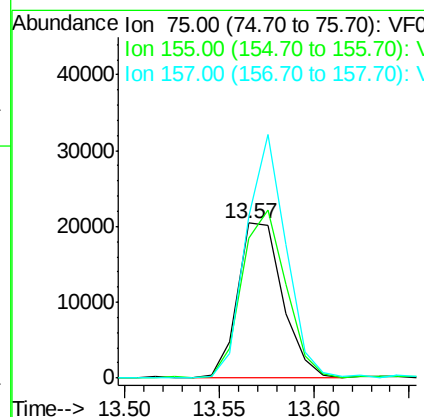
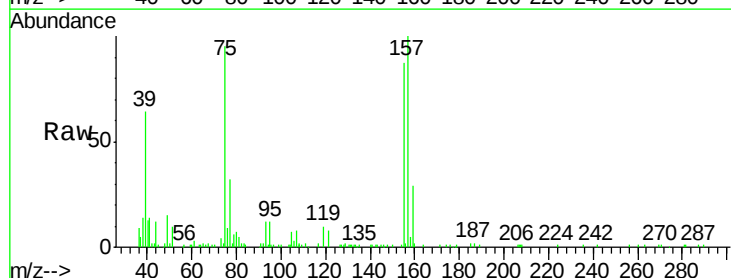
Manual Integrations
 APPROVED

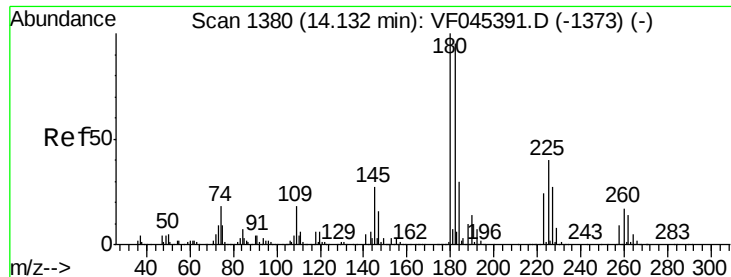
MMDadoda
 9/17/2015 12:50:45 PM



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 17.74 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	49.2	147.6
157	104.8	66.8	200.4





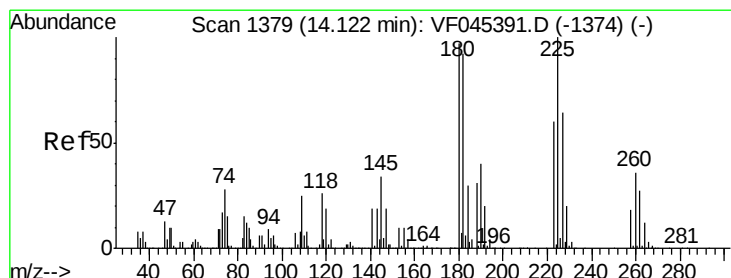
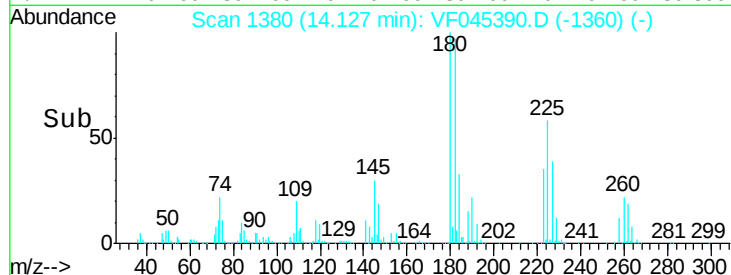
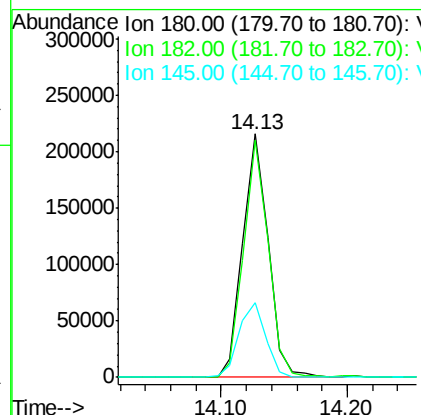
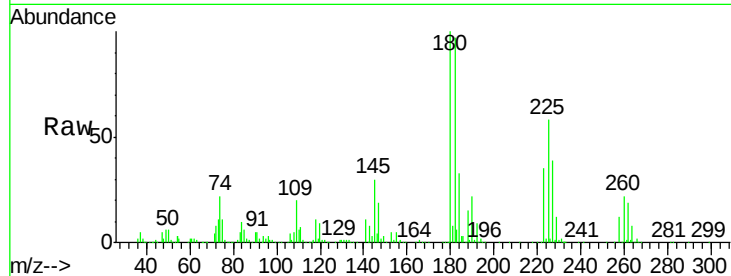
#92
 1,2,4-Trichlorobenzene
 Concen: 21.23 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	49.4	148.0	
145	30.4	16.7	50.1	

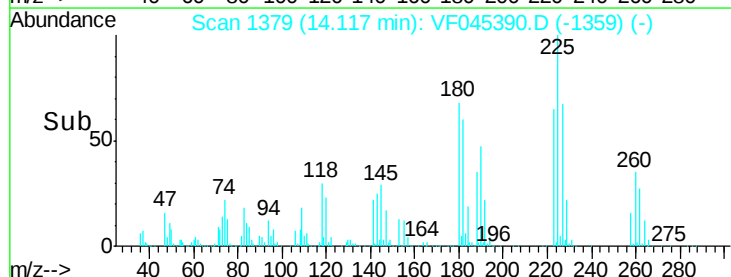
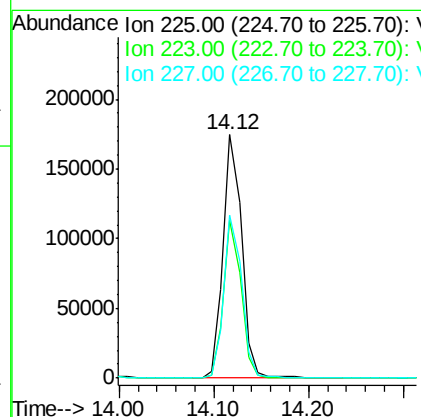
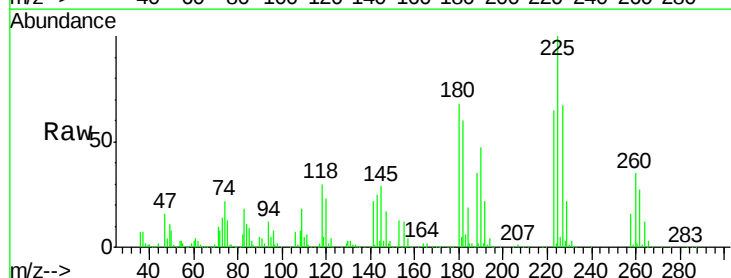
Manual Integrations
 APPROVED

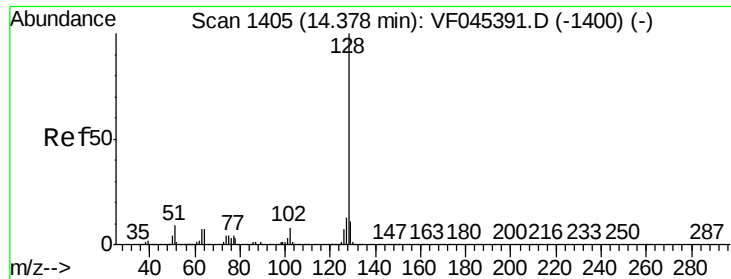
MMDadoda
 9/17/2015 12:50:45 PM



#93
 Hexachlorobutadiene
 Concen: 21.99 ug/l
 RT: 14.12 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VF045390.D
 Acq: 16 Sep 2015 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	31.9	95.5	
227	66.8	32.9	98.7	





#94

Naphthalene

Concen: 20.53 ug/l

RT: 14.38 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Instrument :

MSVOA_F

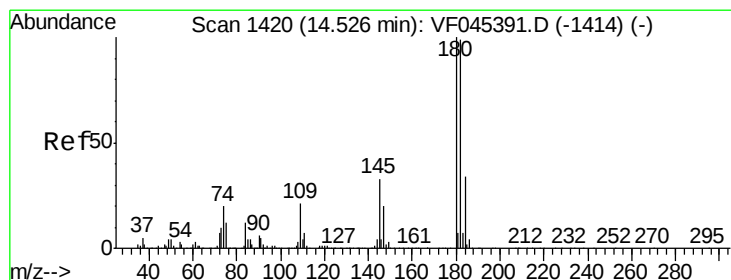
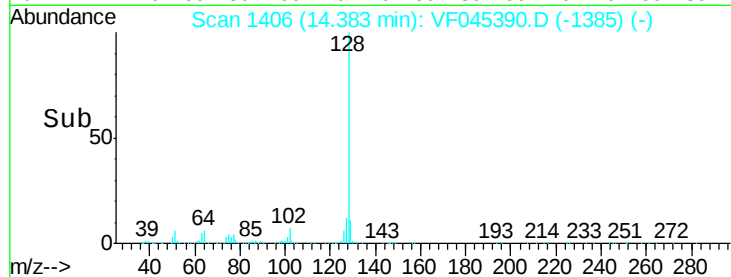
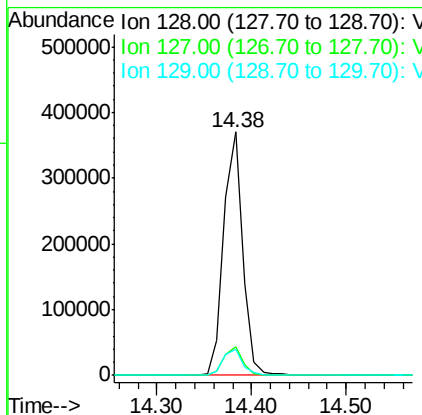
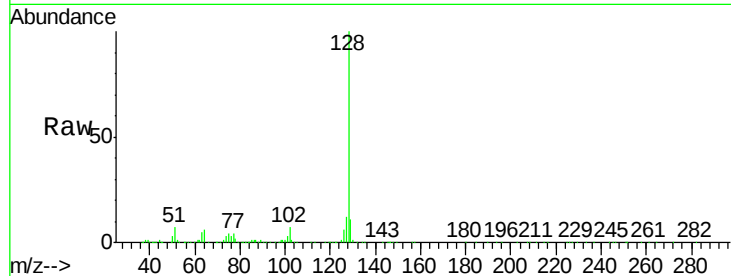
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	513838
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.8	14.8
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:50:45 PM



#95

1,2,3-Trichlorobenzene

Concen: 20.74 ug/l

RT: 14.52 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF045390.D

Acq: 16 Sep 2015 14:12

Tgt Ion:	180	Resp:	237408
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.6	142.8
145	30.7	14.5	43.6

