

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045393.D
 Acq On : 16 Sep 2015 15:37
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:00 PM

Quant Time: Sep 16 15:55:50 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:43:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	1080255	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.54	114	1608915	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1458103	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	844762	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	1144282	99.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	199.02%	
34) Dibromofluoromethane	4.04	113	1201130	96.90	ug/l	0.02
Spiked Amount	50.000		Recovery	=	193.80%	
49) Toluene-d8	7.50	98	3348503	91.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.10%	
61) 4-Bromofluorobenzene	11.35	95	1610091	91.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	883471	98.57	ug/l	95
3) Chloromethane	1.03	50	723144	89.71	ug/l	98
4) Vinyl Chloride	1.10	62	666587	97.70	ug/l	98
5) Bromomethane	1.25	94	395411	96.56	ug/l	100
6) Chloroethane	1.33	64	245404	90.84	ug/l	98
7) Trichlorofluoromethane	1.39	101	1286723m	93.96	ug/l	
8) Diethyl Ether	1.60	74	278393	95.00	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.78	101	749364	94.60	ug/l	97
10) Methyl Iodide	1.80	142	1527695	93.97	ug/l	94
11) Tert butyl alcohol	2.51	59	62310	512.76	ug/l #	92
12) 1,1-Dichloroethene	1.72	96	609060	91.61	ug/l	97
13) Acrolein	1.95	56	276143	506.56	ug/l	99
14) Allyl chloride	2.05	41	1018112	96.25	ug/l	97
15) Acrylonitrile	2.88	53	620245	490.47	ug/l	94
16) Acetone	2.19	43	1254192	486.48	ug/l	97
17) Carbon Disulfide	1.73	76	2126196	95.03	ug/l	99
18) Methyl Acetate	2.30	43	1013543	99.86	ug/l	95
19) Methyl tert-butyl Ether	2.39	73	569112	110.50	ug/l	93
20) Methylene Chloride	2.13	84	659334	76.02	ug/l	94
21) trans-1,2-Dichloroethene	2.26	96	716644	96.26	ug/l	95
22) Diisopropyl ether	2.75	45	2085472	91.81	ug/l	96
23) Vinyl Acetate	3.12	43	3005315	453.73	ug/l	99
24) 1,1-Dichloroethane	2.82	63	1400103	92.72	ug/l	98
25) 2-Butanone	4.26	43	1776938	471.66	ug/l	97
26) 2,2-Dichloropropane	3.54	77	1334686	96.20	ug/l	100
27) cis-1,2-Dichloroethene	3.41	96	1094840	95.07	ug/l	97
28) Bromochloromethane	3.65	49	517754	84.67	ug/l #	96
29) Chloroform	3.78	83	1913326	90.38	ug/l	96
30) Cyclohexane	3.64	56	1230364	88.33	ug/l	96
31) 1,1,1-Trichloroethane	4.03	97	1610236	93.12	ug/l	96
35) 1,1-Dichloropropene	4.22	75	1479751	96.55	ug/l	97
36) Ethyl Acetate	4.04	43	714560	91.07	ug/l #	55
37) Carbon Tetrachloride	3.92	117	1553360	98.40	ug/l	99
38) Methylcyclohexane	5.40	83	1506373	90.86	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	3274962	89.76	ug/l	100
40) Methacrylonitrile	4.68	41	346963	93.62	ug/l	93
41) 1,2-Dichloroethane	4.87	62	1346003	94.59	ug/l	96
42) Isopropyl Acetate	6.90	43	972697	93.66	ug/l #	96
43) Trichloroethene	5.44	130	1112132	91.46	ug/l	94
44) 1,2-Dichloropropane	6.17	63	955037	89.53	ug/l	99
45) Dibromomethane	6.02	93	697678	94.71	ug/l	95
46) Bromodichloromethane	6.32	83	1508282	90.81	ug/l	99
47) Methyl methacrylate	6.66	41	596926	95.15	ug/l	93
48) 1,4-Dioxane	6.64	88	136996	1848.71	ug/l #	82
50) 4-Methyl-2-Pentanone	8.20	43	3259324	443.71	ug/l	99
51) Toluene	7.57	92	2431958	88.05	ug/l	90
52) t-1,3-Dichloropropene	8.22	75	1421574	95.52	ug/l	97
53) cis-1,3-Dichloropropene	7.24	75	1685290	94.82	ug/l	99
54) 1,1,2-Trichloroethane	8.42	97	853702	91.67	ug/l	94
55) Ethyl methacrylate	8.56	69	1145072	94.47	ug/l	98
56) 1,3-Dichloropropane	8.78	76	1380008	90.09	ug/l	98
58) 2-Hexanone	9.43	43	2598116	447.00	ug/l	96
59) Dibromochloromethane	8.65	129	1225689	93.87	ug/l	98
60) 1,2-Dibromoethane	8.92	107	1001771	95.57	ug/l	92
63) Tetrachloroethene	8.09	164	1099083	96.01	ug/l	97
64) Chlorobenzene	9.72	112	2884276	93.81	ug/l	98
65) 1,1,1,2-Tetrachloroethane	9.86	131	1125483	101.32	ug/l	96
66) Ethyl Benzene	9.83	91	4849989	90.86	ug/l	95
67) m/p-Xylenes	10.07	106	3361554	175.63	ug/l	90
68) o-Xylene	10.65	106	1890898	96.23	ug/l	98
69) Styrene	10.73	104	2890792	90.79	ug/l	96
70) Bromoform	10.71	173	867651	107.07	ug/l	99
72) Isopropylbenzene	11.07	105	5108756	89.13	ug/l	94
73) N-amyl acetate	11.32	43	1534266	94.68	ug/l	92
74) 1,1,2,2-Tetrachloroethane	11.64	83	1172923	89.95	ug/l	98
75) 1,2,3-Trichloropropane	11.73	75	830461	92.26	ug/l	95
76) Bromobenzene	11.44	156	1481270	91.73	ug/l	89
77) n-propylbenzene	11.54	91	5799754	80.24	ug/l	98
78) 2-Chlorotoluene	11.66	91	3528454	87.52	ug/l	93
79) 1,3,5-Trimethylbenzene	11.77	105	3861402	81.56	ug/l	96
80) trans-1,4-Dichloro-2-buten	11.81	75	485670m	101.30	ug/l	
81) 4-Chlorotoluene	11.84	91	3956363	89.56	ug/l	90
82) tert-Butylbenzene	12.08	119	4010729	86.65	ug/l	95
83) 1,2,4-Trimethylbenzene	12.15	105	4218473	87.71	ug/l	92
84) sec-Butylbenzene	12.26	105	5501926	85.59	ug/l	96
85) p-Isopropyltoluene	12.40	119	4110255	82.13	ug/l	93
86) 1,3-Dichlorobenzene	12.41	146	2358766	85.64	ug/l	96
87) 1,4-Dichlorobenzene	12.50	146	2485771	90.88	ug/l	93
88) n-Butylbenzene	12.79	91	4318037	85.64	ug/l	94
89) Hexachloroethane	12.86	117	1109696	94.15	ug/l	96
90) 1,2-Dichlorobenzene	12.88	146	2365495	94.25	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.58	75	177431	104.95	ug/l	89
92) 1,2,4-Trichlorobenzene	14.13	180	1479481	102.72	ug/l	99
93) Hexachlorobutadiene	14.13	225	1083031	98.51	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	2710614	110.47	ug/l	100
95) 1,2,3-Trichlorobenzene	14.53	180	1270714	108.26	ug/l	95

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

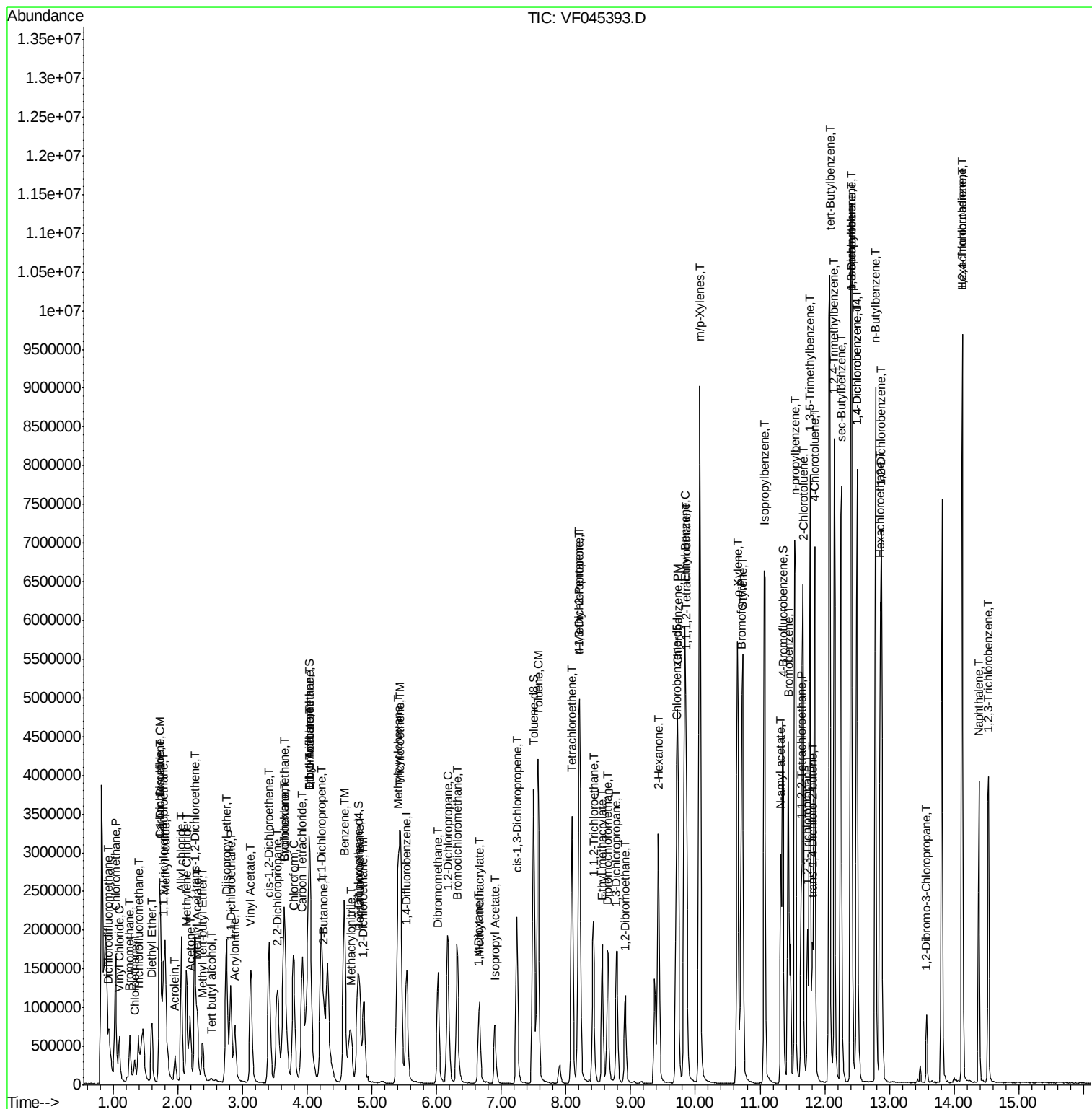
Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
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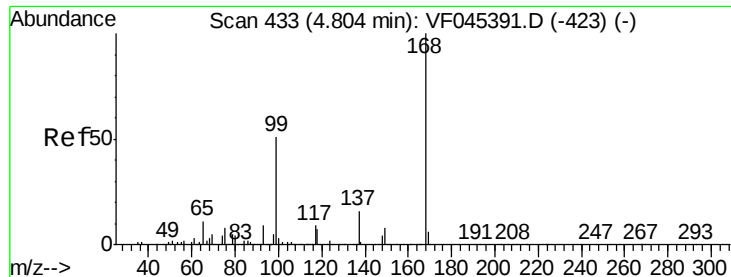
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1080255

Ion Ratio Lower Upper

168 100

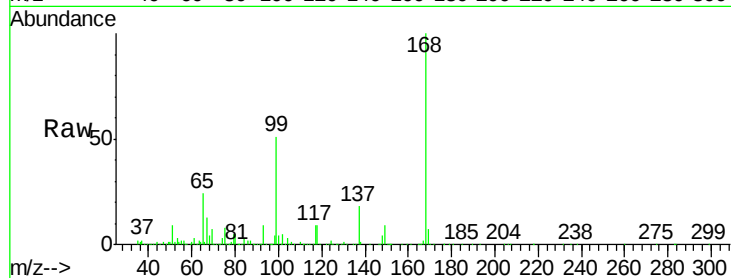
99 51.1 39.0 58.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.81

400000

300000

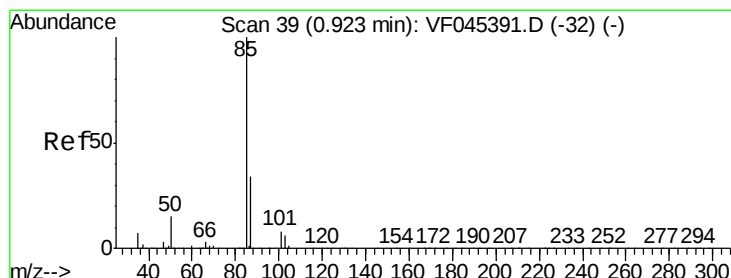
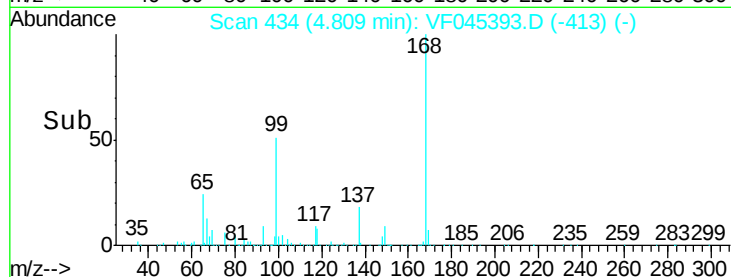
200000

100000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 98.57 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.02 min

Lab File: VF045393.D

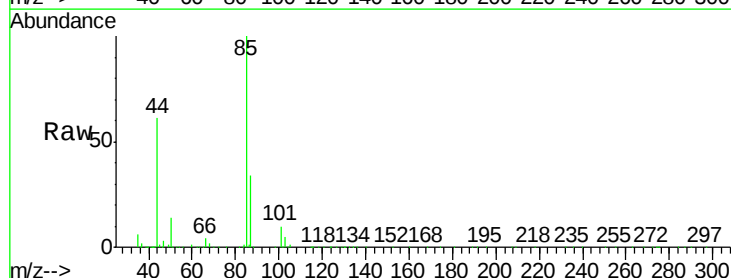
Acq: 16 Sep 2015 15:37

Tgt Ion: 85 Resp: 883471

Ion Ratio Lower Upper

85 100

87 33.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

300000

250000

200000

150000

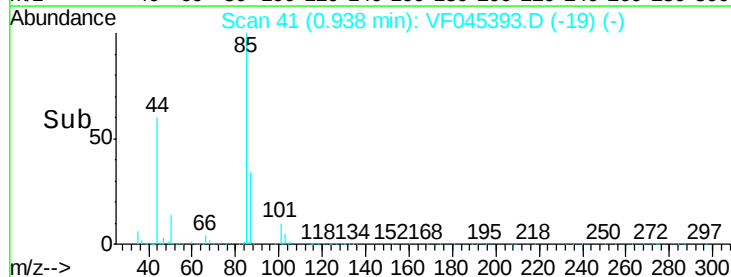
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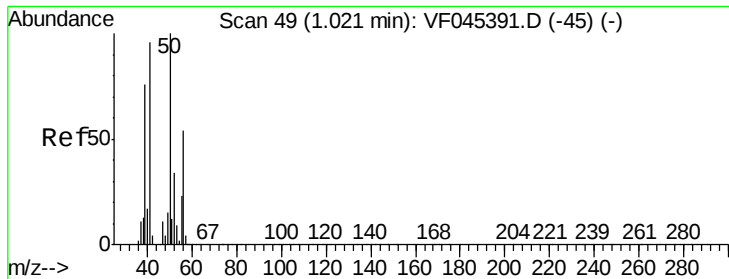
50000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 89.71 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 723144

Ion Ratio Lower Upper

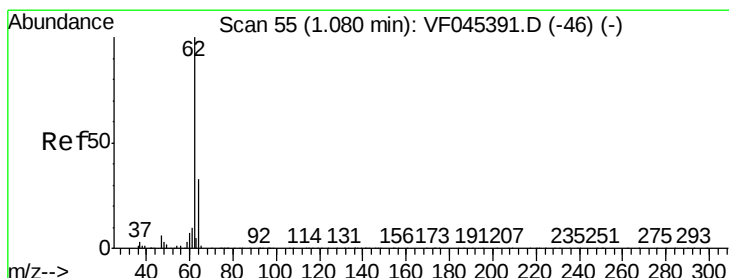
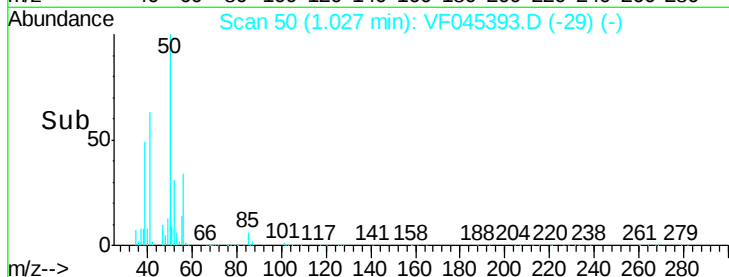
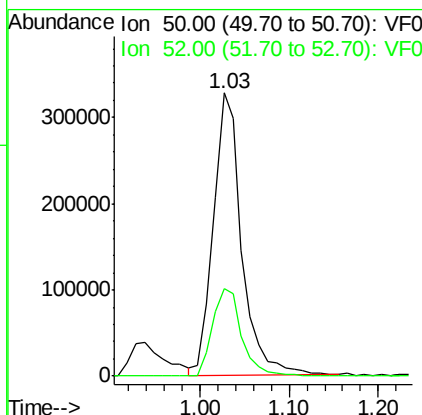
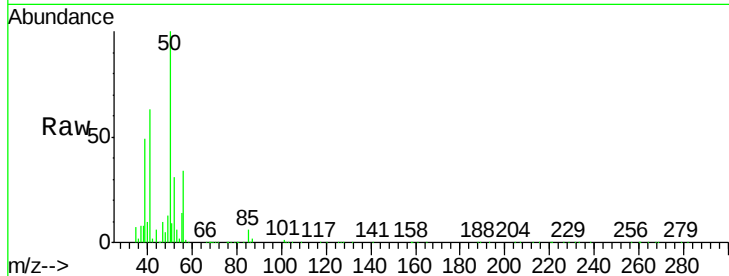
50 100

52 30.9 23.8 35.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 97.70 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF045393.D

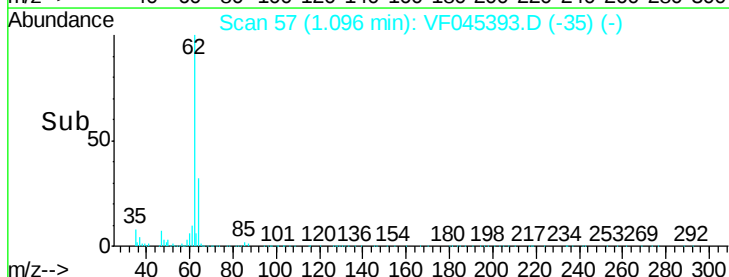
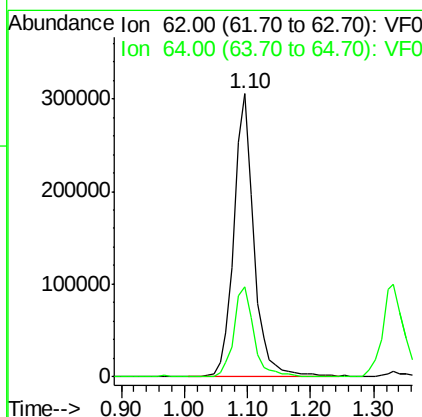
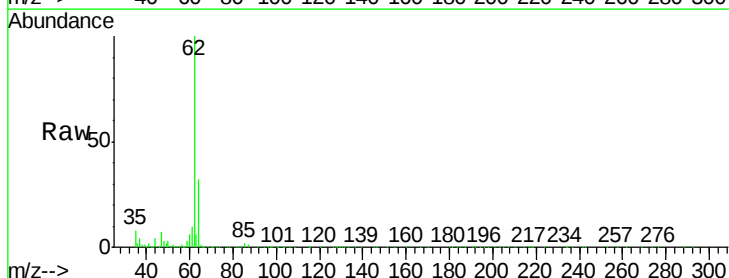
Acq: 16 Sep 2015 15:37

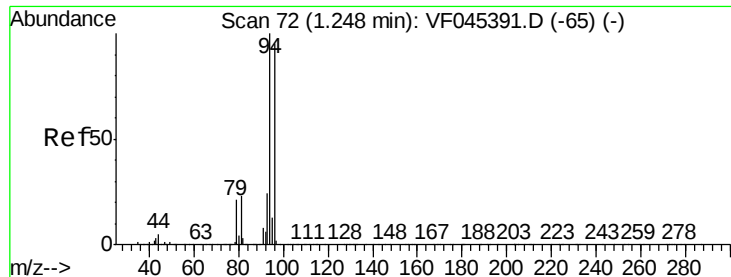
Tgt Ion: 62 Resp: 666587

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8





#5

Bromomethane

Concen: 96.56 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tot Ion: 94 Resp: 395411

Ion Ratio Lower Upper

94 100

96 93.9 75.0 112.4

Instrument :

MSVOA_F

ClientSampleId :

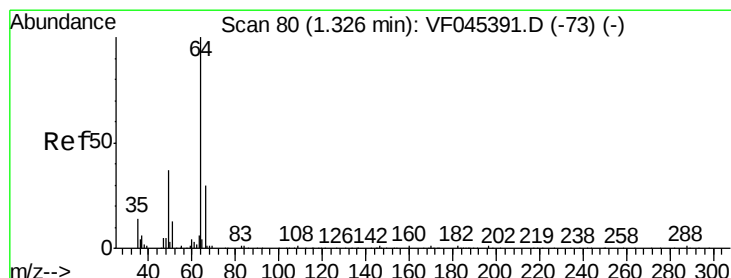
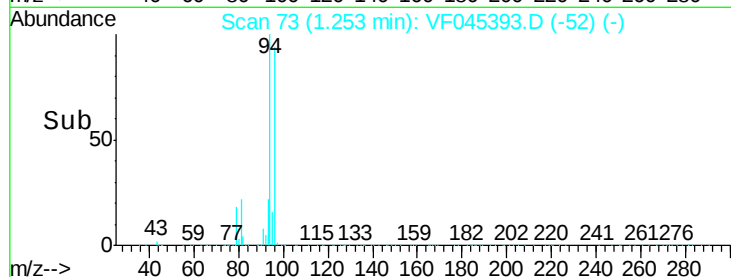
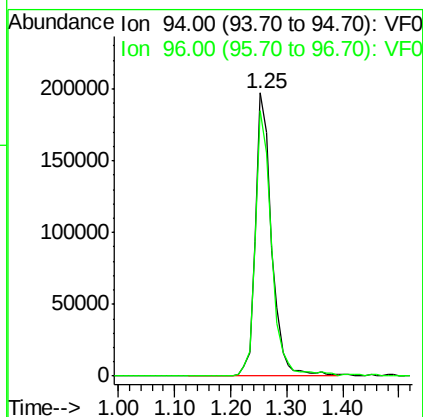
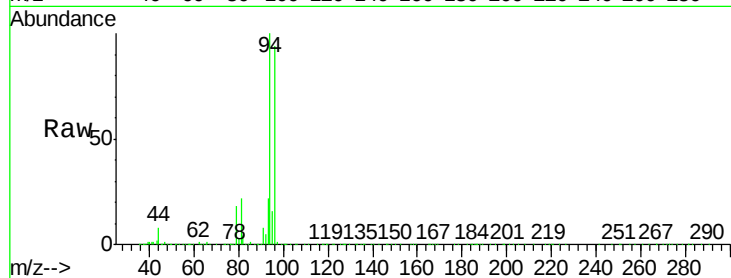
VSTDIC100

Manual Integrations

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#6

Chloroethane

Concen: 90.84 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF045393.D

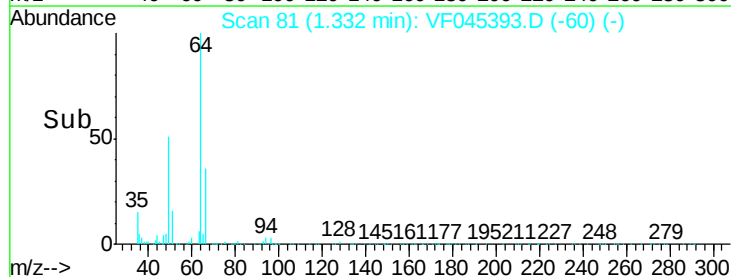
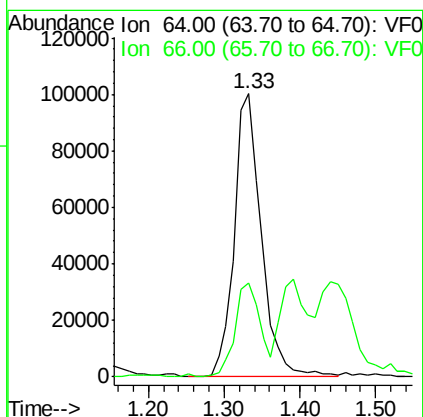
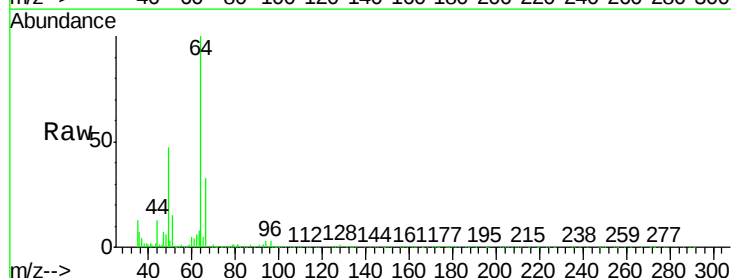
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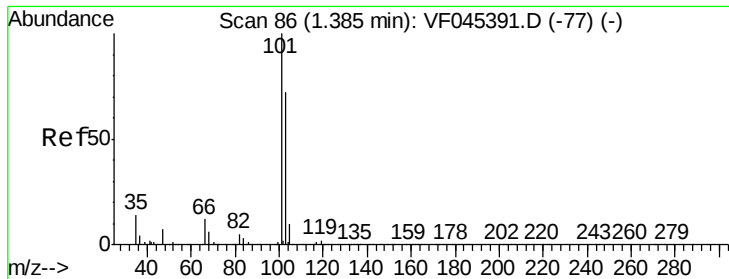
Tgt Ion: 64 Resp: 245404

Ion Ratio Lower Upper

64 100

66 33.0 27.3 40.9





#7

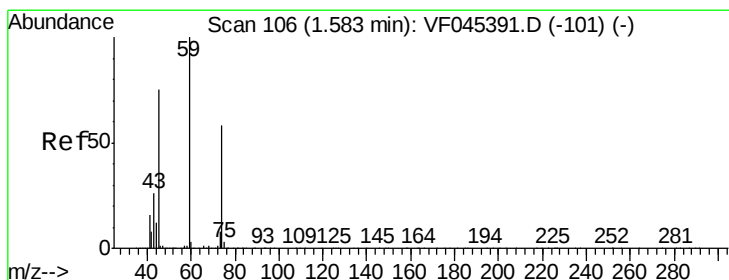
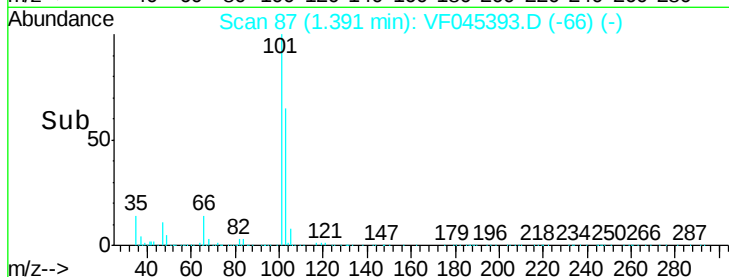
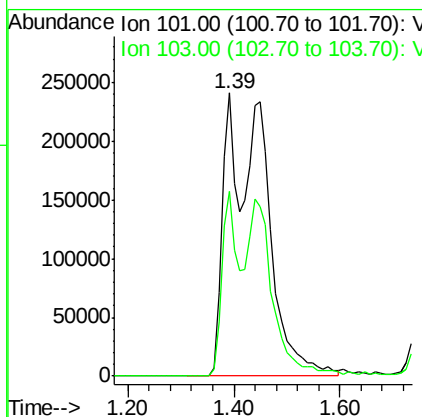
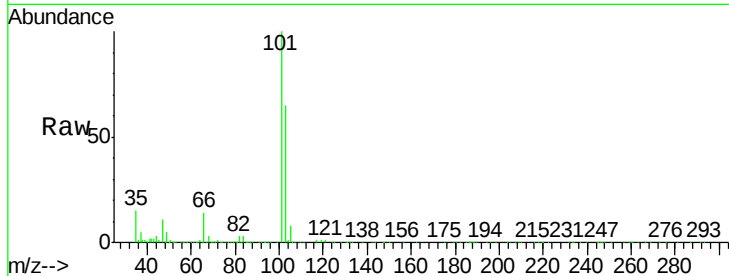
Trichlorofluoromethane
Concen: 93.96 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1286723
Ion Ratio Lower Upper
101 100
103 65.4 50.8 76.2

Manual Integrations
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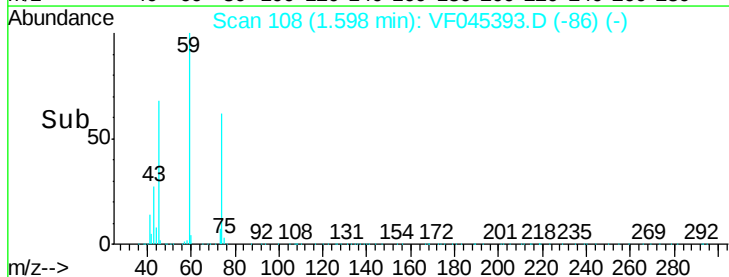
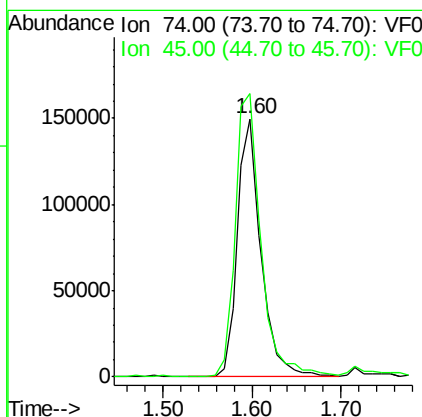
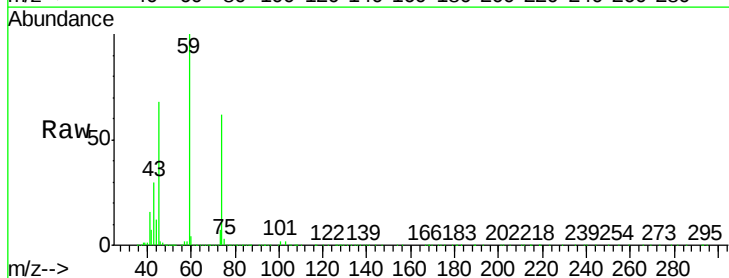
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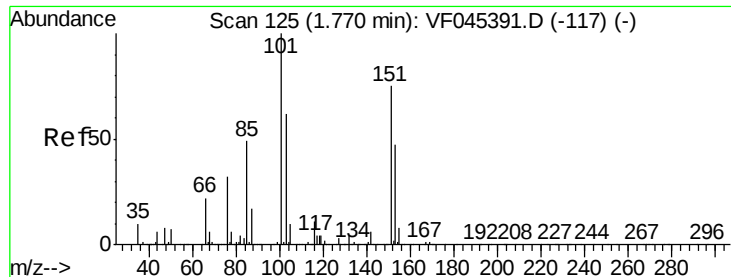


#8

Diethyl Ether
Concen: 95.00 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion: 74 Resp: 278393
Ion Ratio Lower Upper
74 100
45 109.7 60.9 182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.60 ug/l

RT: 1.78 min Scan# 126

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

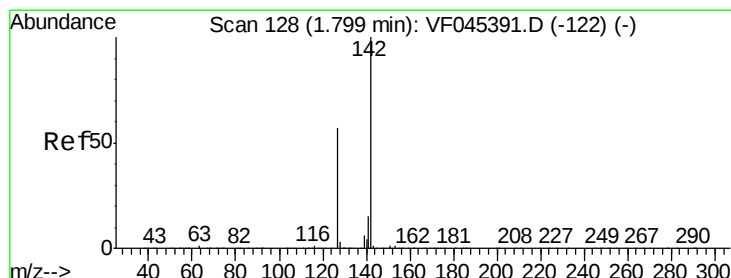
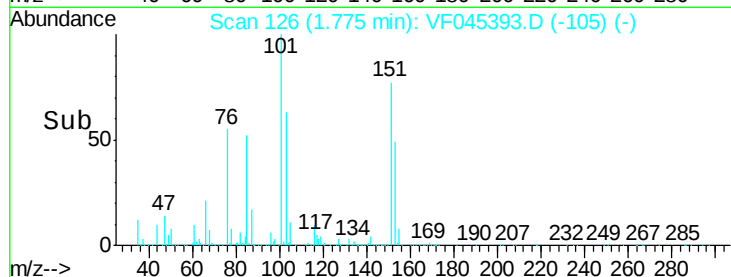
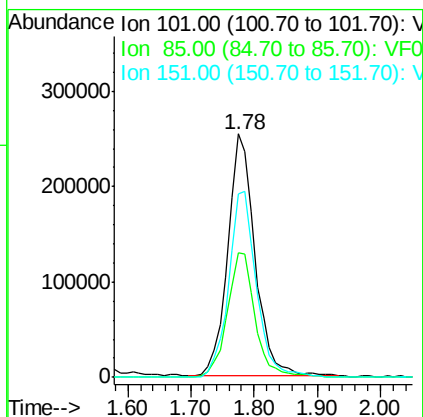
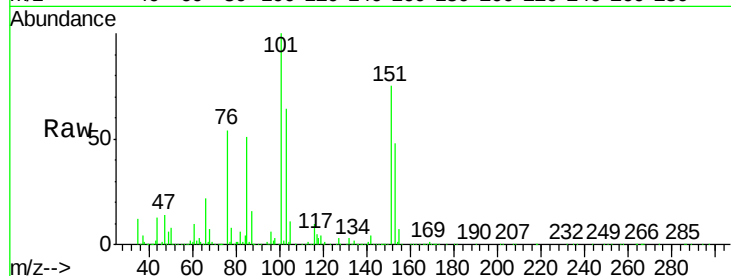
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	749364
Ion Ratio	Lower	Upper	
101	100		
85	51.3	40.0	60.0
151	75.4	62.8	94.2

Manual Integrations
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9/17/2015 12:51:00 PM



#10

Methyl Iodide

Concen: 93.97 ug/l

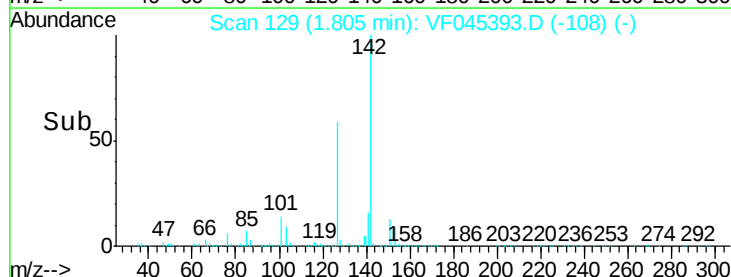
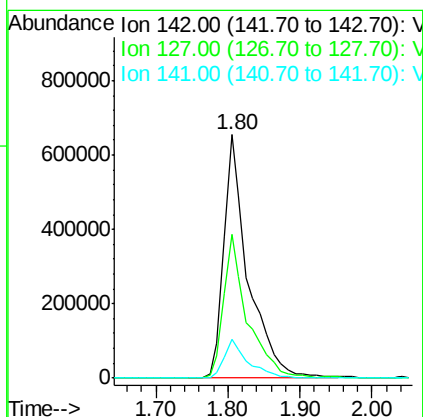
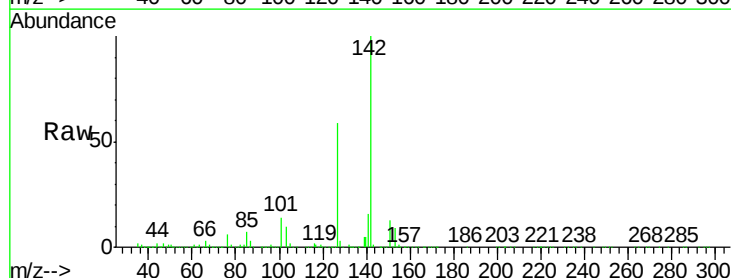
RT: 1.80 min Scan# 129

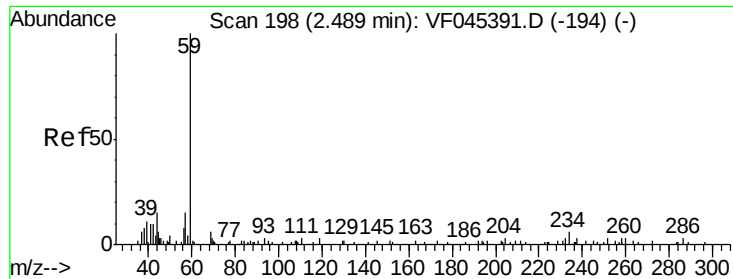
Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion:	142	Resp:	1527695
Ion Ratio	Lower	Upper	
142	100		
127	58.9	43.3	64.9
141	15.9	12.1	18.1





#11

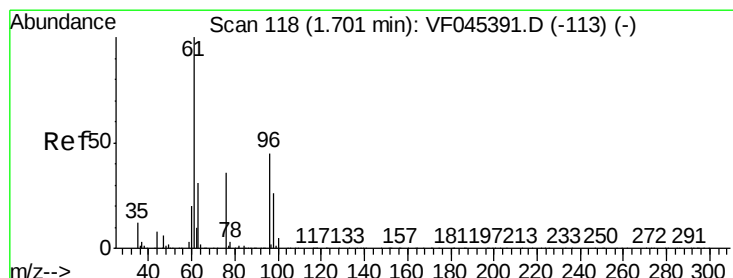
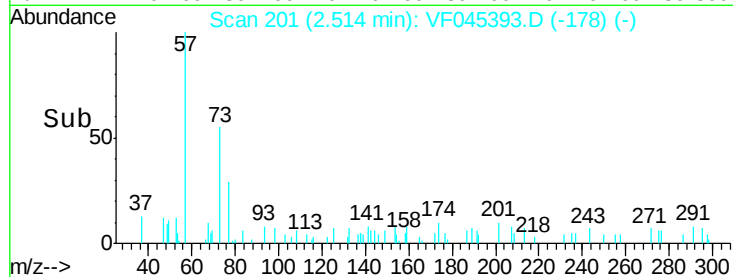
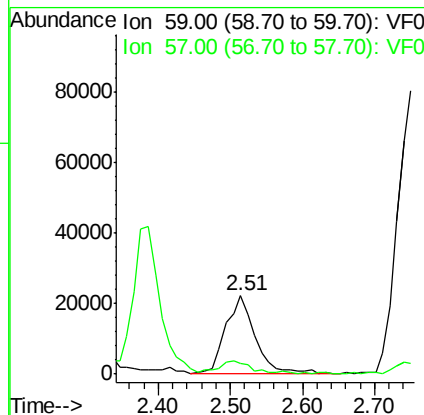
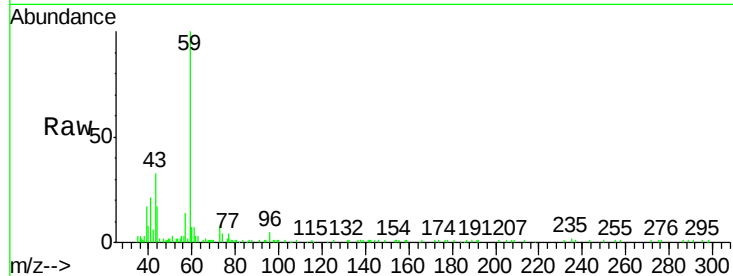
Tert butyl alcohol
Concen: 512.76 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.03 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.0	8.6	13.0#

Manual Integrations
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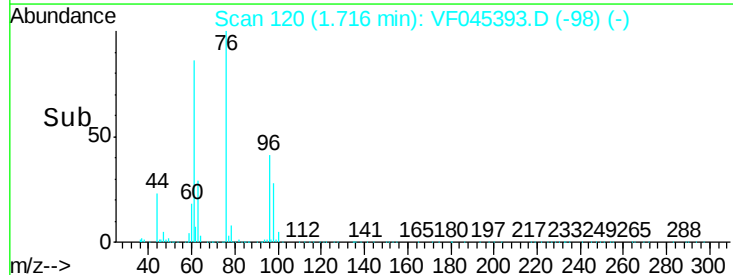
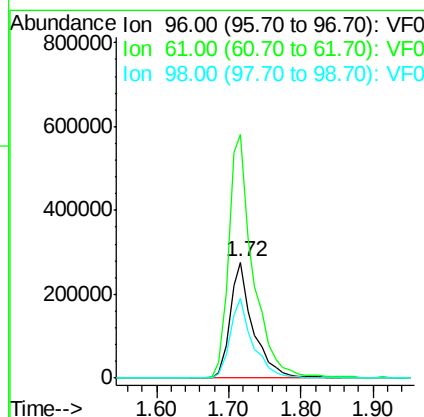
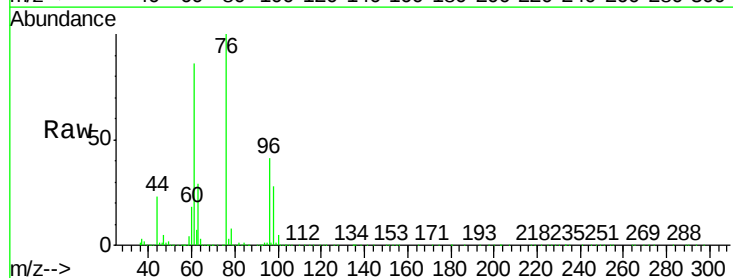
MMDadoda
9/17/2015 12:51:00 PM

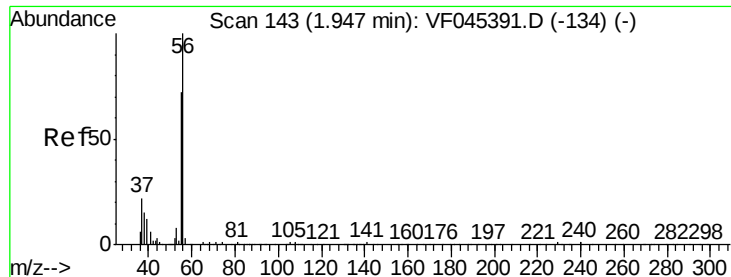


#12

1,1-Dichloroethene
Concen: 91.61 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	209.9	165.8	248.8
98	68.4	51.2	76.8





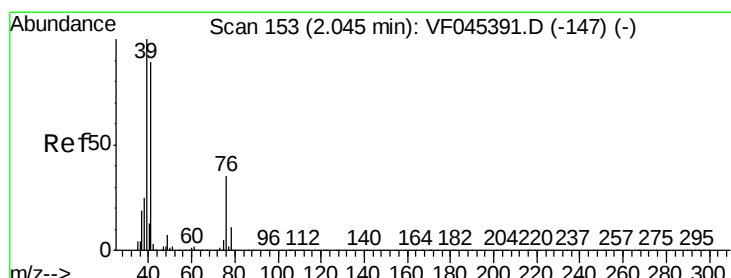
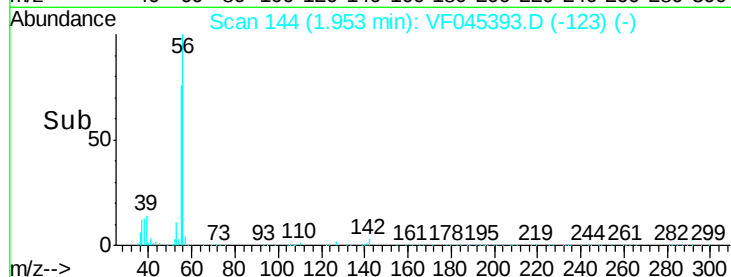
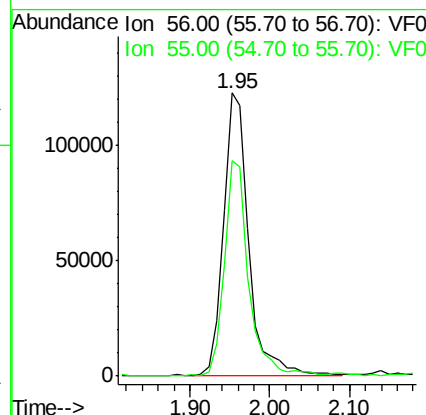
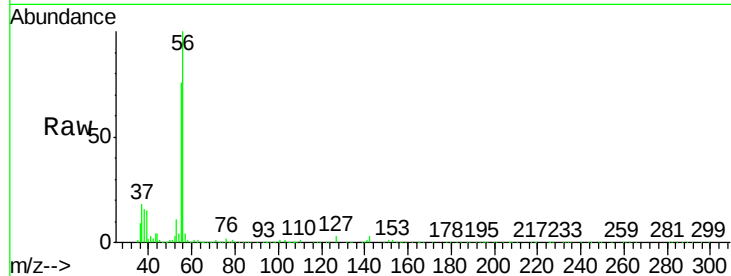
#13
Acrolein
Concen: 506.56 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.2	60.5	90.7

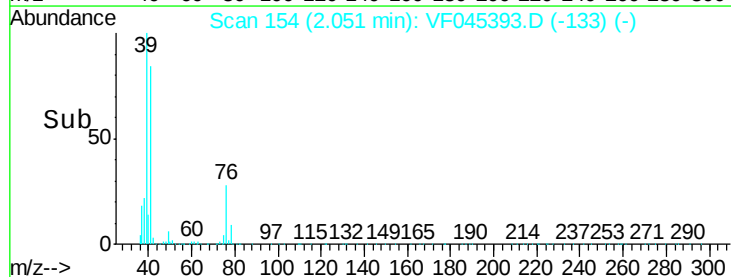
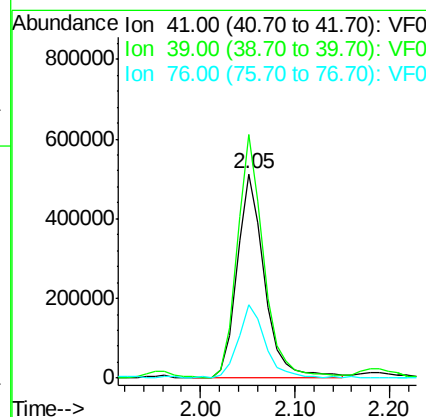
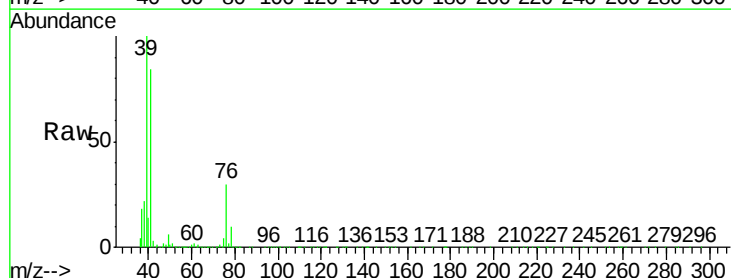
Manual Integrations
APPROVED

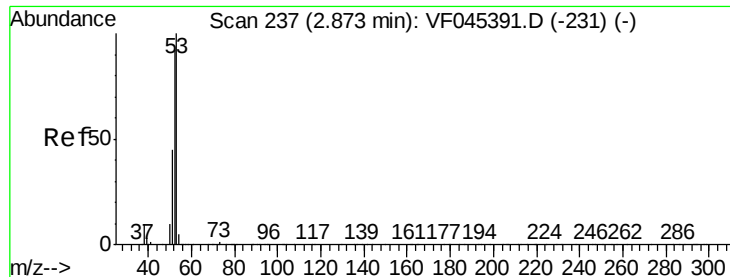
MMDadoda
9/17/2015 12:51:00 PM



#14
Allyl chloride
Concen: 96.25 ug/l
RT: 2.05 min Scan# 154
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	119.4	92.8	139.2
76	35.8	27.7	41.5





#15

Acrylonitrile

Concen: 490.47 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF045393.D

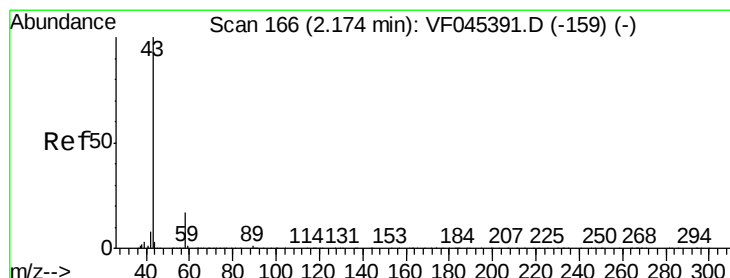
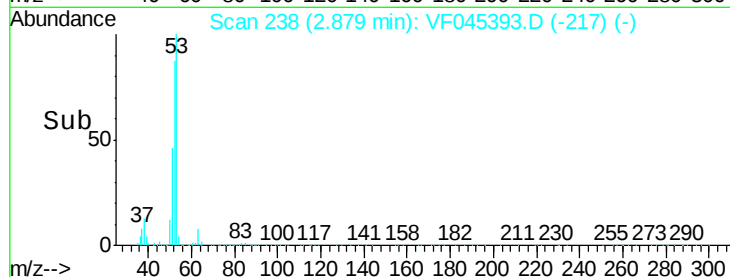
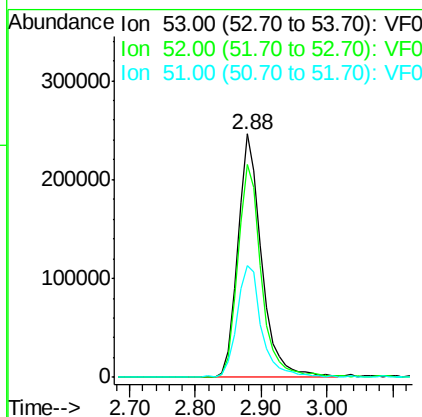
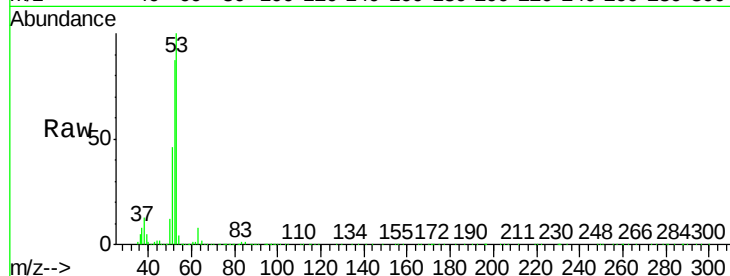
Acq: 16 Sep 2015 15:37

Tot Ion:	53	Resp:	620245
Ion Ratio	Lower	Upper	
53	100		
52	87.5	72.7	109.1
51	46.1	42.2	63.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Manual Integrations
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9/17/2015 12:51:00 PM



#16

Acetone

Concen: 486.48 ug/l

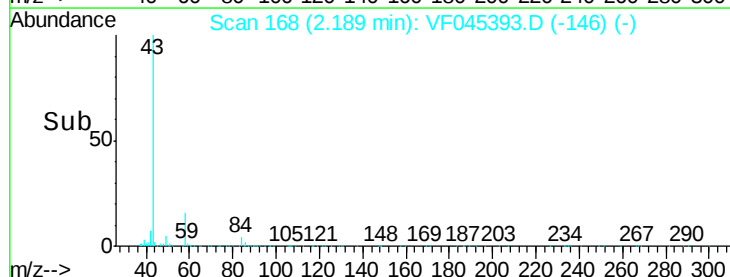
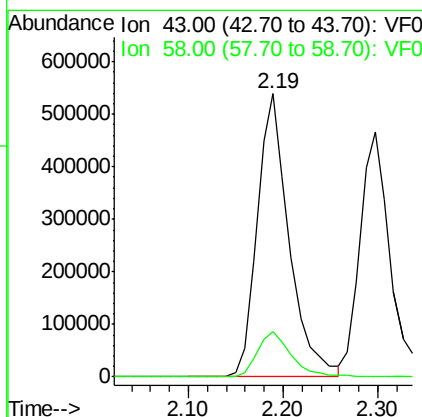
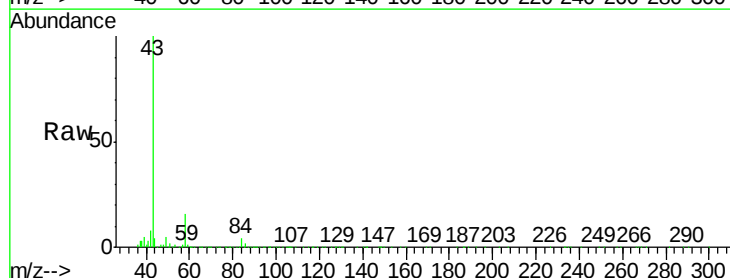
RT: 2.19 min Scan# 168

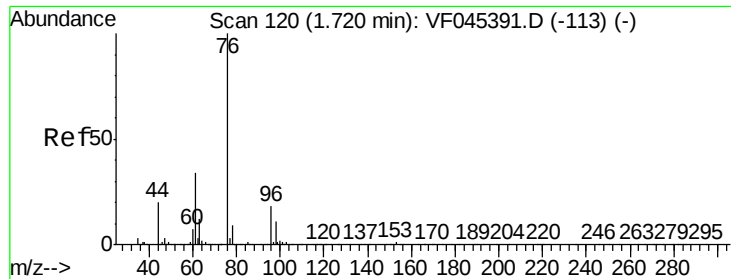
Delta R.T. 0.02 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion:	43	Resp:	1254192
Ion Ratio	Lower	Upper	
43	100		
58	16.0	13.9	20.9





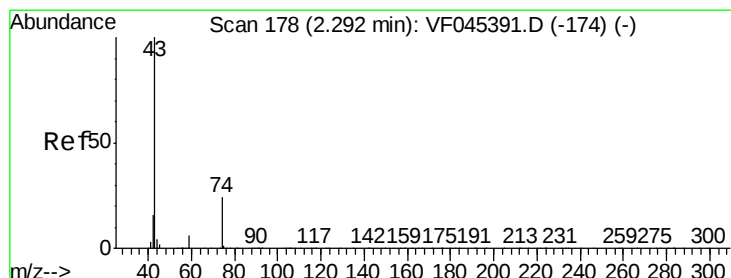
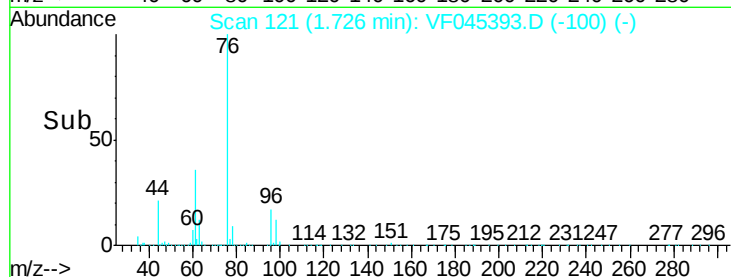
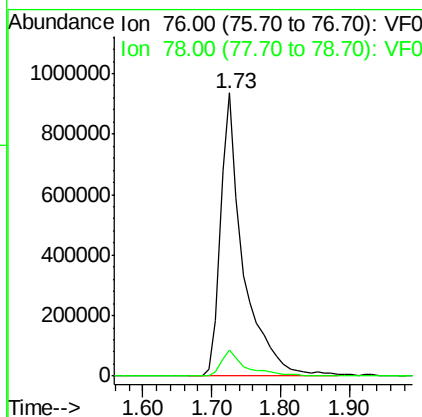
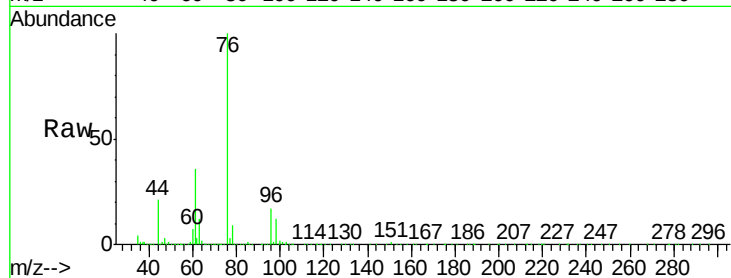
#17
Carbon Disulfide
Concen: 95.03 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 2126196
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

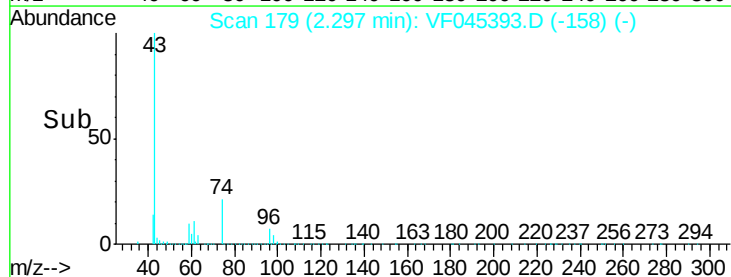
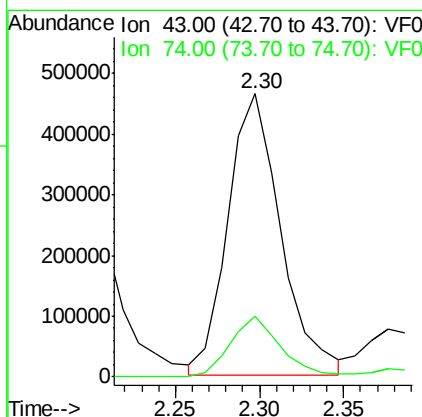
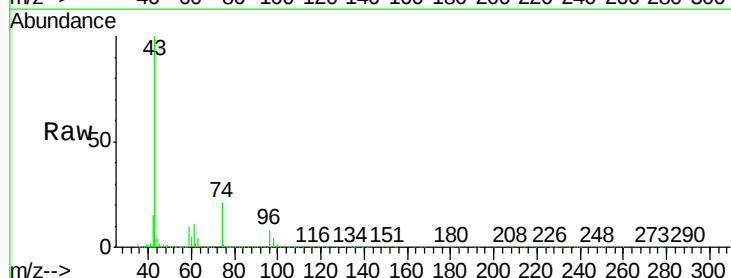
Manual Integrations
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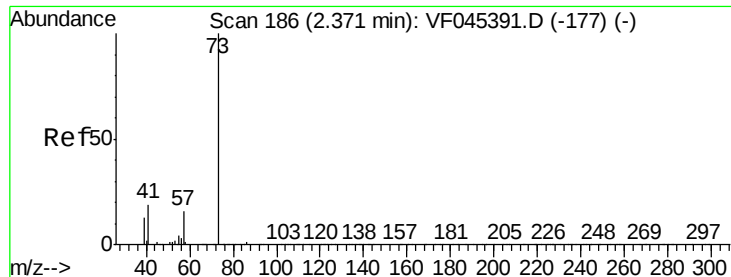
MMDadoda
9/17/2015 12:51:00 PM



#18
Methyl Acetate
Concen: 99.86 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion: 43 Resp: 1013543
Ion Ratio Lower Upper
43 100
74 21.2 15.1 22.7





#19

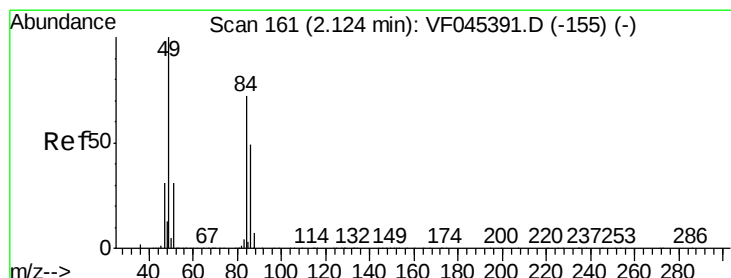
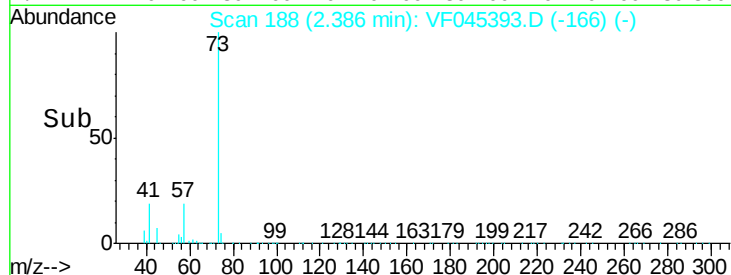
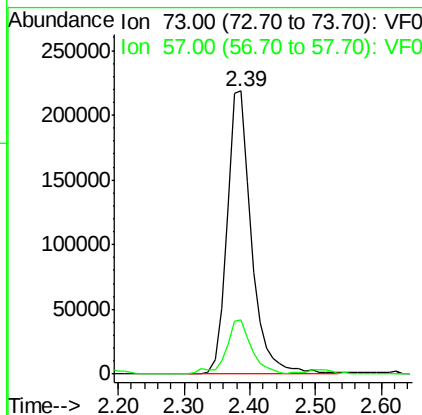
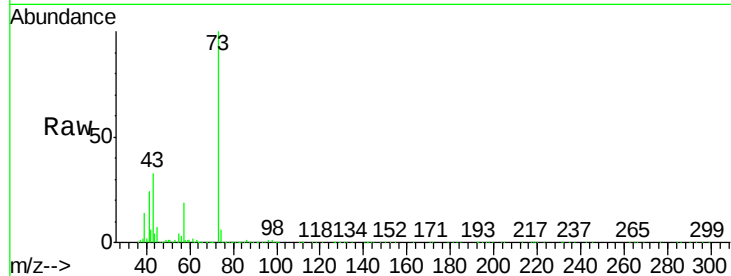
Methyl tert-butyl Ether
 Concen: 110.50 ug/l
 RT: 2.39 min Scan# 188
 Delta R.T. 0.02 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	12.9	19.3

Manual Integrations
 APPROVED

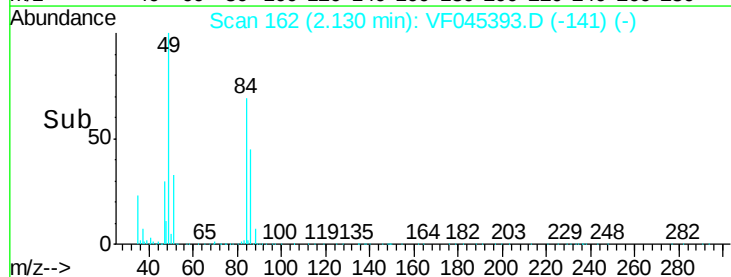
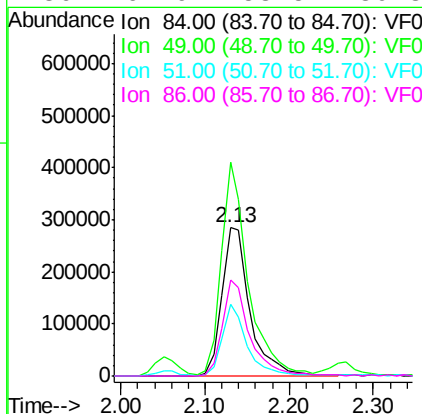
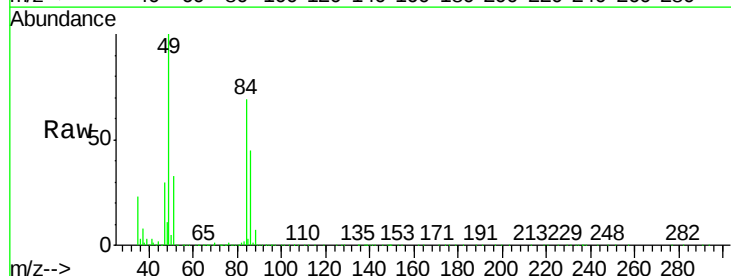
MMDadoda
 9/17/2015 12:51:00 PM

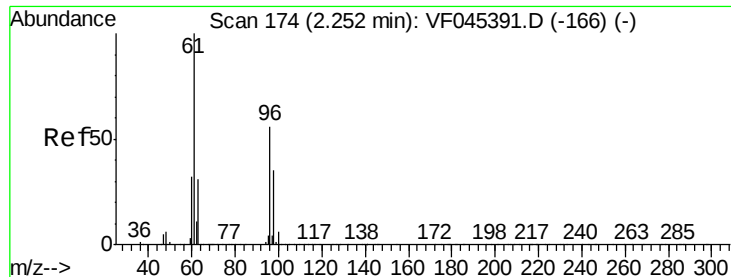


#20

Methylene Chloride
 Concen: 76.02 ug/l
 RT: 2.13 min Scan# 162
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.2	122.8	184.2
51	48.1	35.4	53.2
86	64.9	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 96.26 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

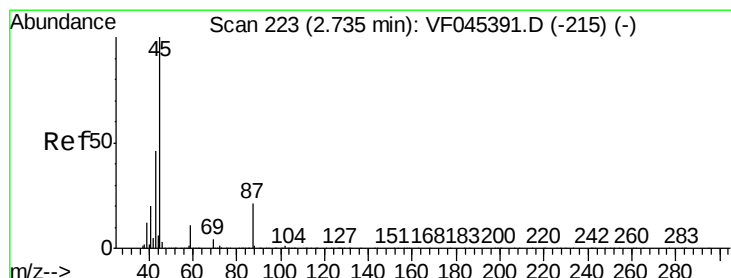
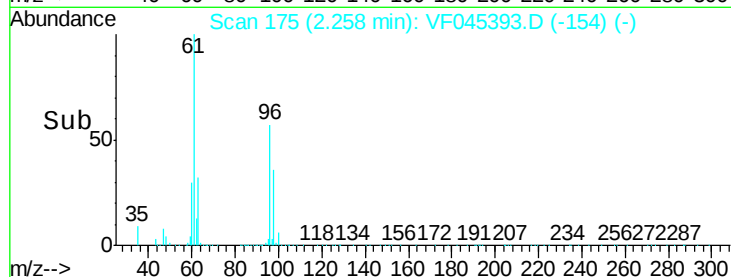
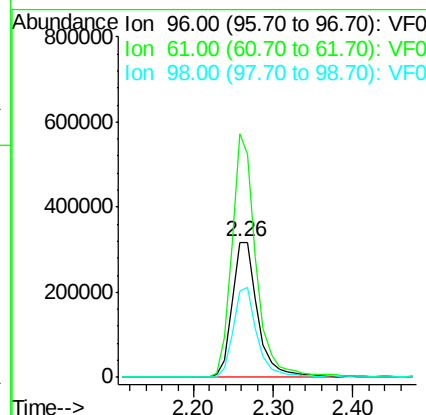
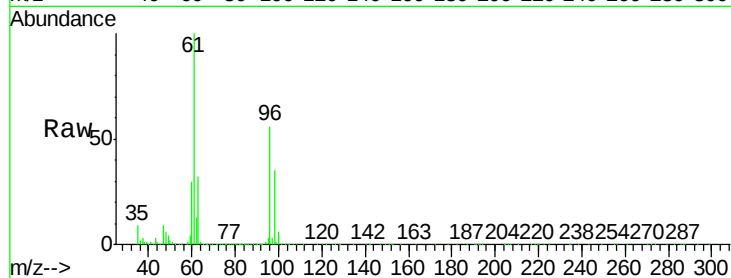
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	716644
Ion Ratio	Lower	Upper	
96	100		
61	180.0	136.8	205.2
98	63.4	51.0	76.4

Manual Integrations
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9/17/2015 12:51:00 PM



#22

Diisopropyl ether

Concen: 91.81 ug/l

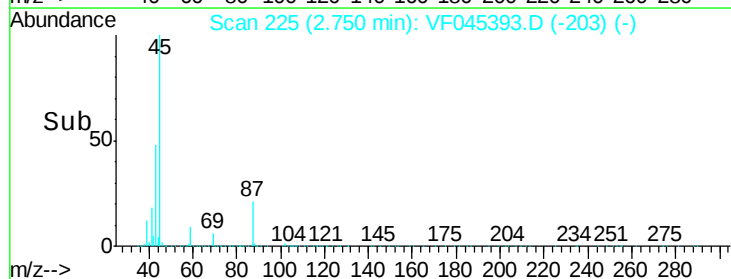
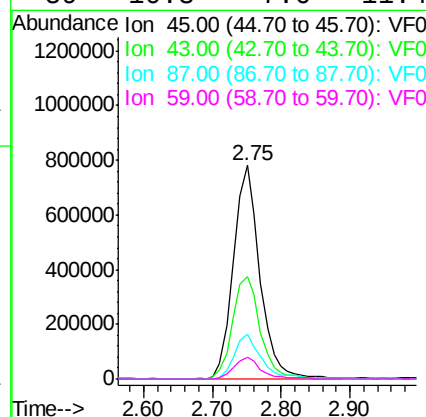
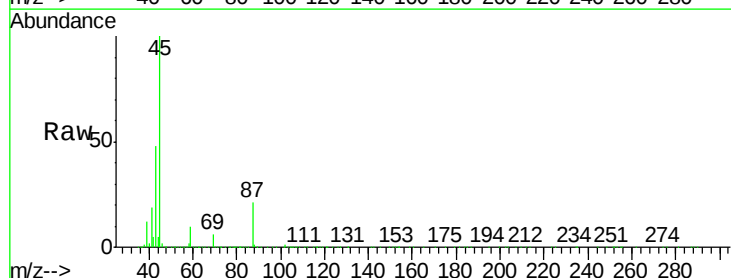
RT: 2.75 min Scan# 225

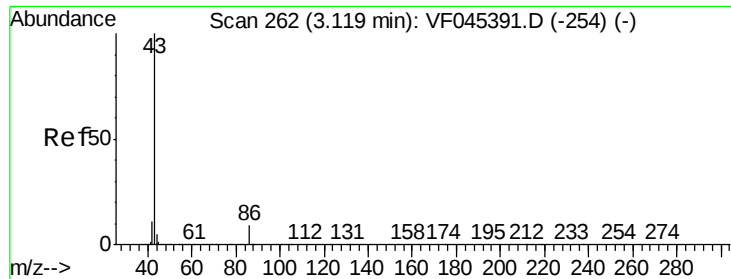
Delta R.T. 0.02 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion:	45	Resp:	2085472
Ion Ratio	Lower	Upper	
45	100		
43	48.2	42.2	63.4
87	20.7	16.6	25.0
59	10.3	7.6	11.4





#23

Vinyl Acetate

Concen: 453.73 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3005315

Ion Ratio Lower Upper

43 100

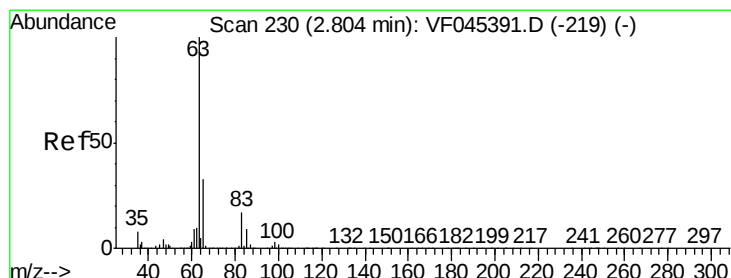
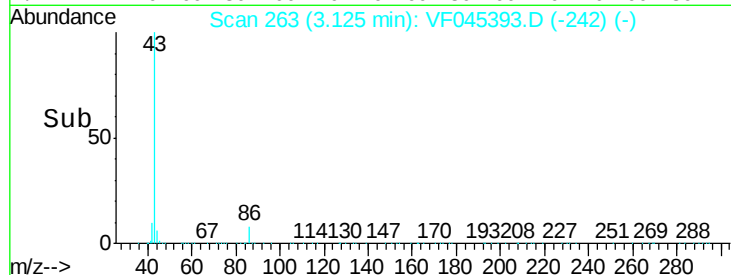
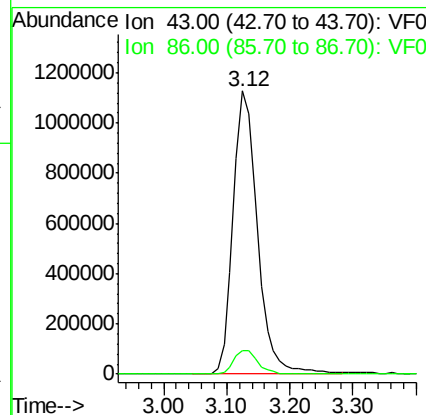
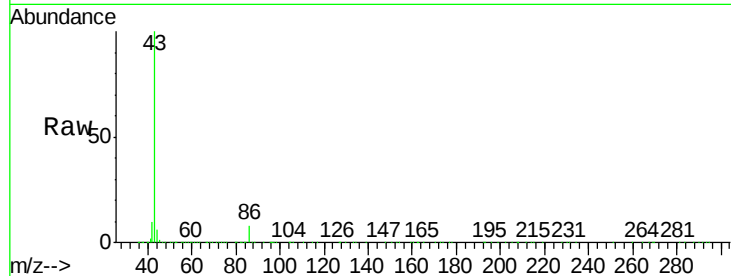
86 8.3 6.3 9.5

Manual Integrations

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9/17/2015 12:51:00 PM



#24

1,1-Dichloroethane

Concen: 92.72 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

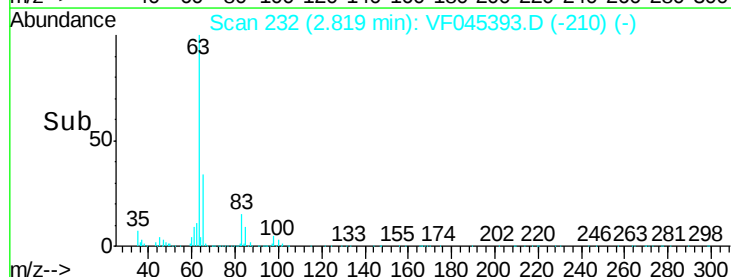
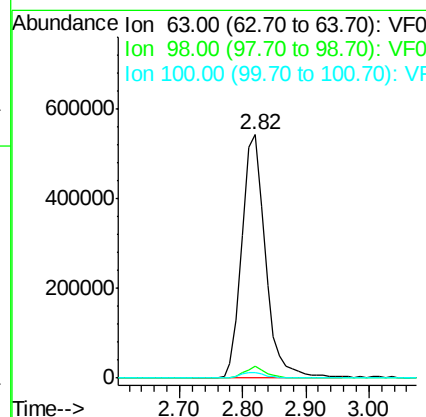
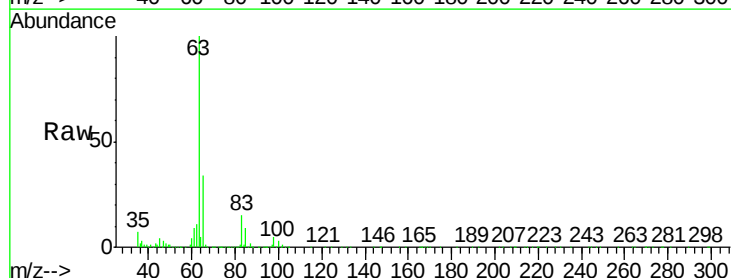
Tgt Ion: 63 Resp: 1400103

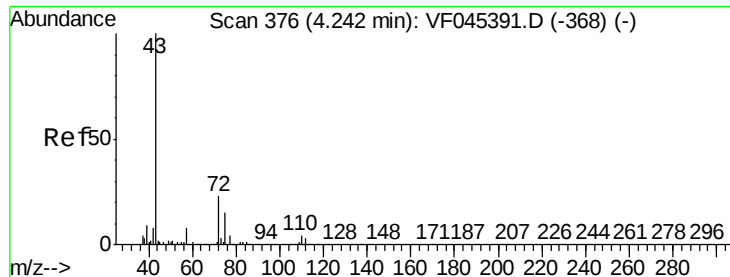
Ion Ratio Lower Upper

63 100

98 5.1 2.2 6.6

100 2.5 1.1 3.5





#25

2-Butanone

Concen: 471.66 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tot Ion: 43 Resp: 1776938

Ion Ratio Lower Upper

43 100

72 23.6 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

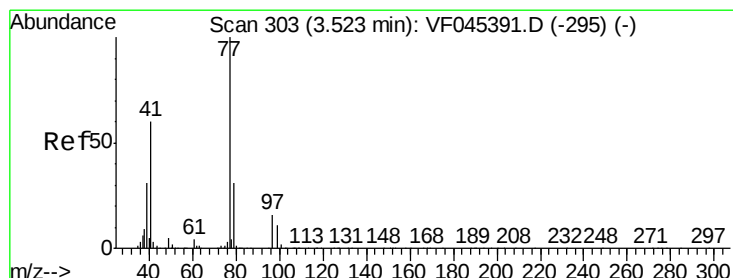
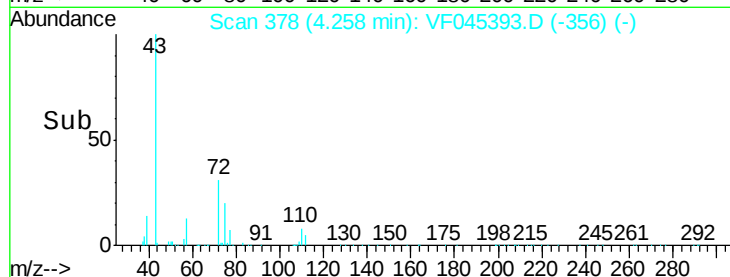
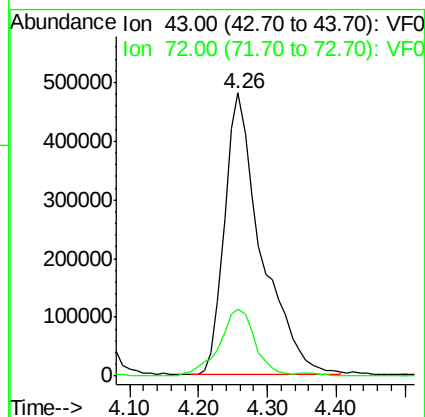
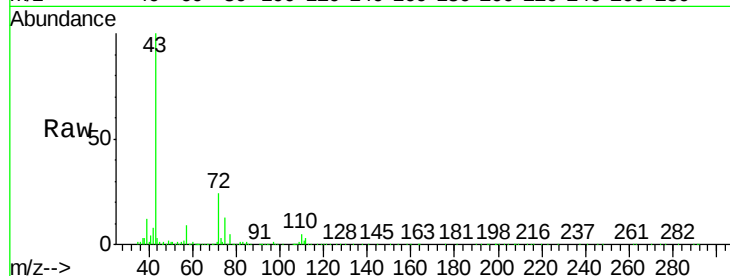
VSTDIC100

Manual Integrations

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MMDadoda

9/17/2015 12:51:00 PM



#26

2,2-Dichloropropane

Concen: 96.20 ug/l

RT: 3.54 min Scan# 305

Delta R.T. 0.02 min

Lab File: VF045393.D

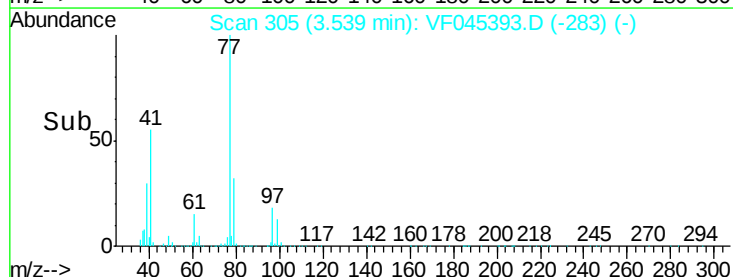
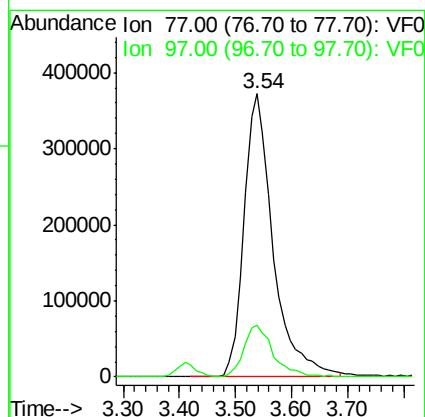
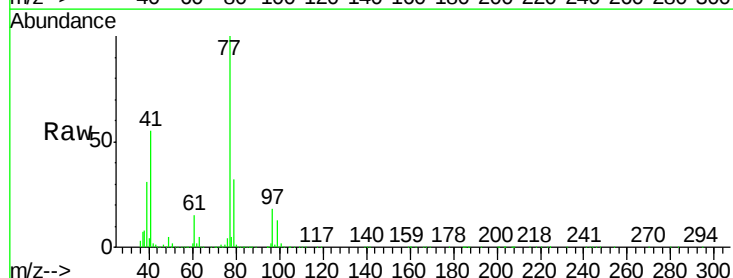
Acq: 16 Sep 2015 15:37

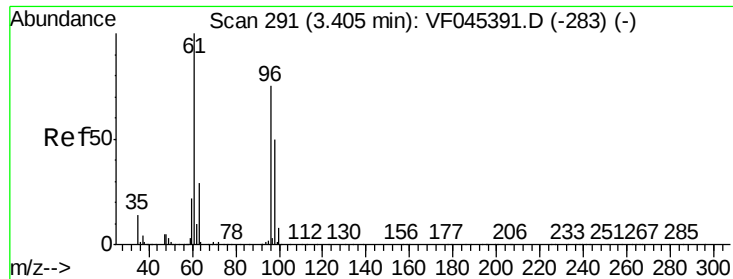
Tgt Ion: 77 Resp: 1334686

Ion Ratio Lower Upper

77 100

97 18.1 9.2 27.4





#27

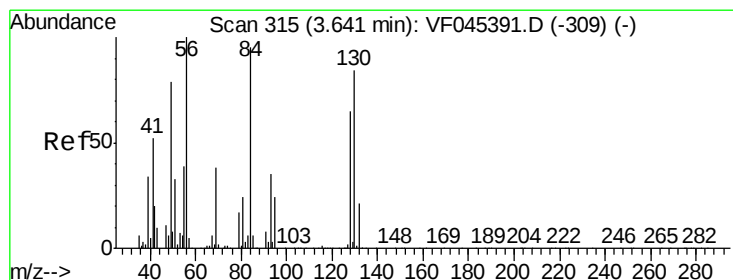
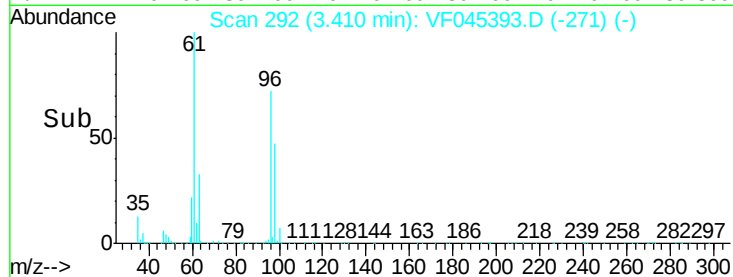
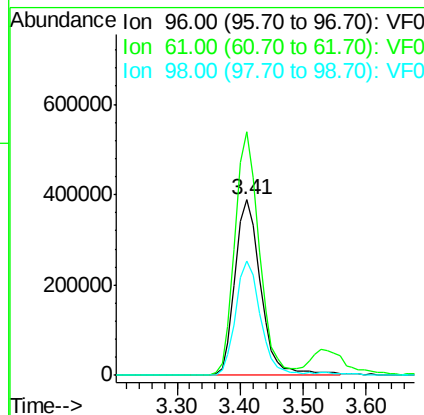
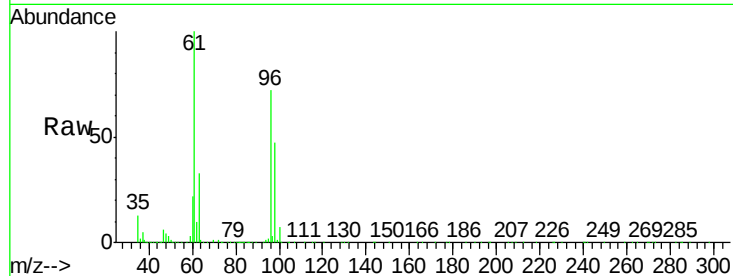
cis-1,2-Dichloroethene
 Concen: 95.07 ug/l
 RT: 3.41 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	268.6
98	65.5	0.0	135.8

Manual Integrations
 APPROVED

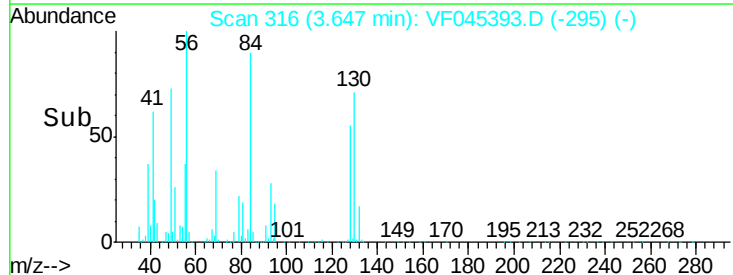
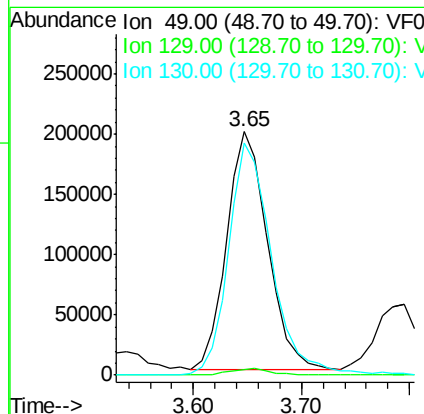
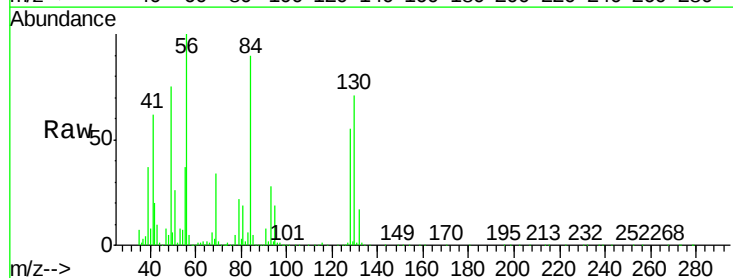
MMDadoda
 9/17/2015 12:51:00 PM

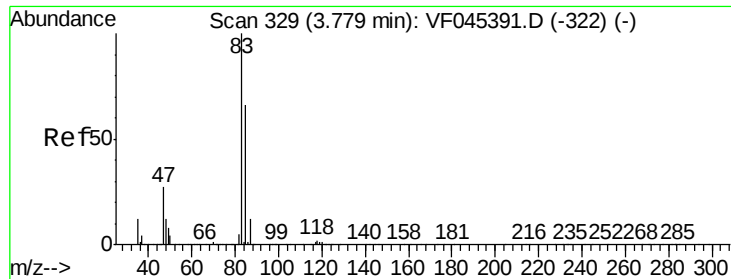


#28

Bromochloromethane
 Concen: 84.67 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	0.0#
130	95.2	79.6	119.4





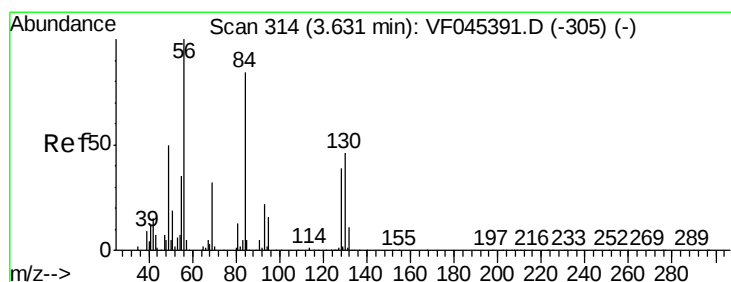
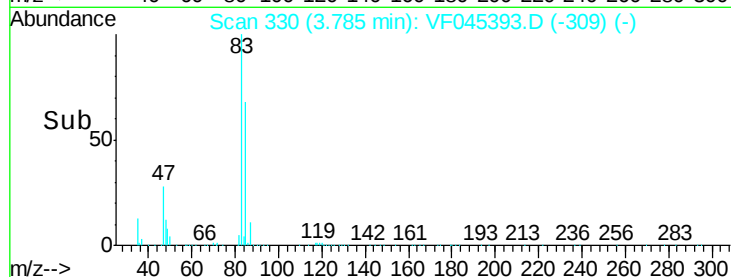
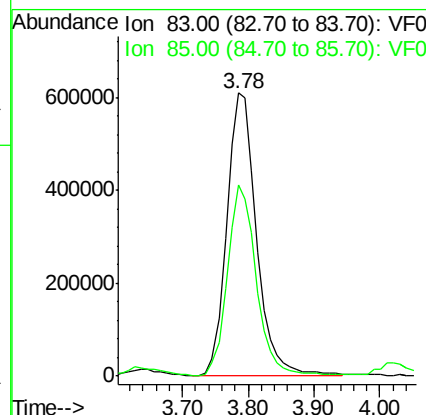
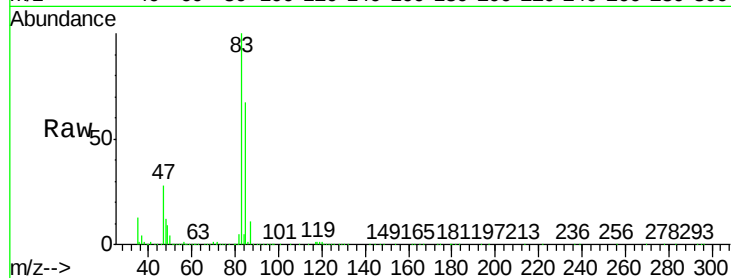
#29
Chloroform
Concen: 90.38 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1913326
Ion Ratio Lower Upper
83 100
85 67.5 51.6 77.4

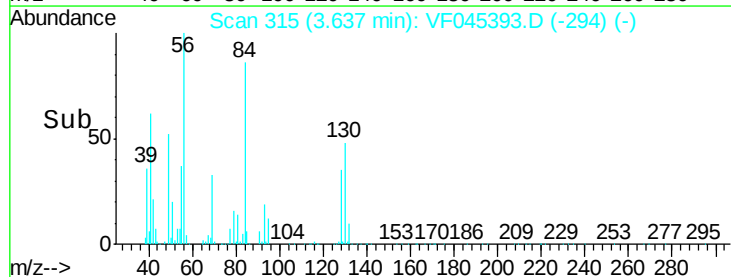
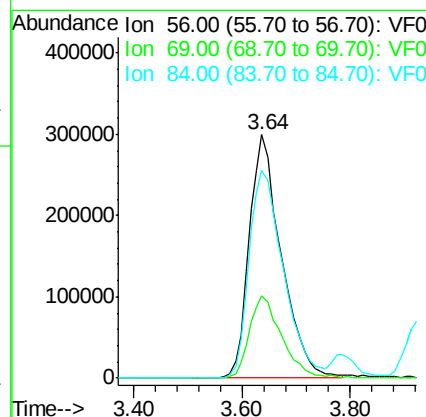
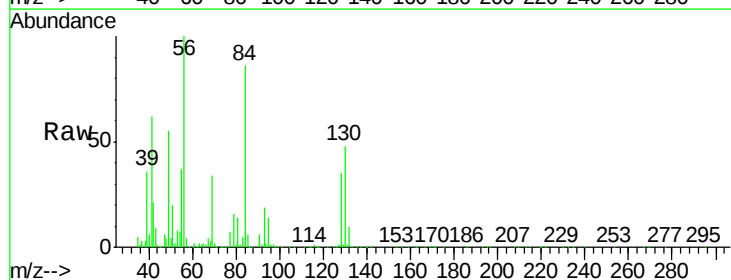
Manual Integrations
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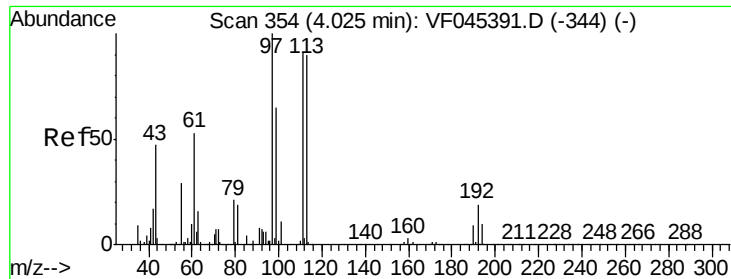
MMDadoda
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#30
Cyclohexane
Concen: 88.33 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion: 56 Resp: 1230364
Ion Ratio Lower Upper
56 100
69 33.6 26.1 39.1
84 85.6 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 93.12 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1610236

Ion Ratio Lower Upper

97 100

99 61.2 51.1 76.7

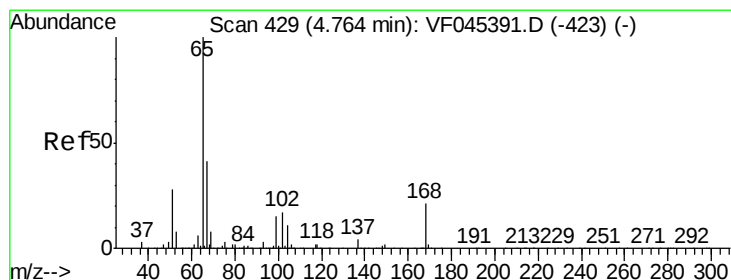
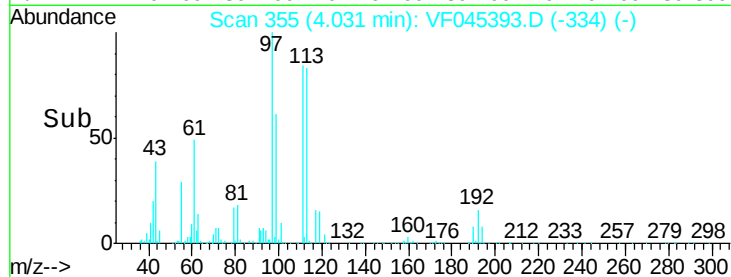
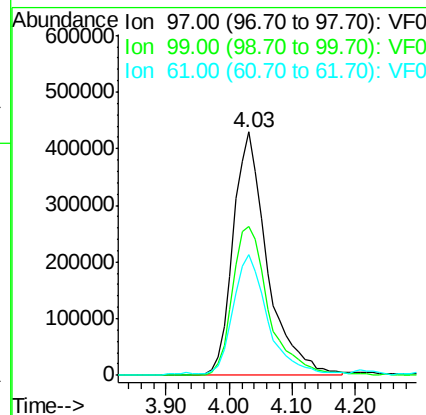
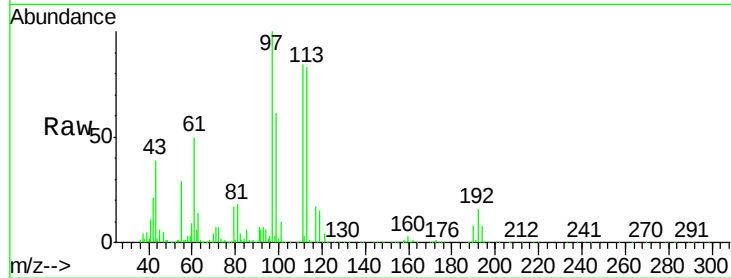
61 49.7 37.8 56.6

Manual Integrations

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#32

1,2-Dichloroethane-d4

Concen: 99.51 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF045393.D

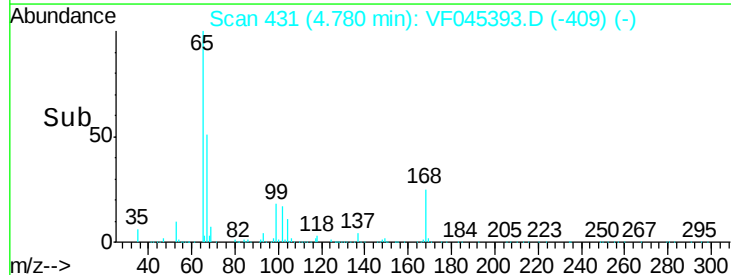
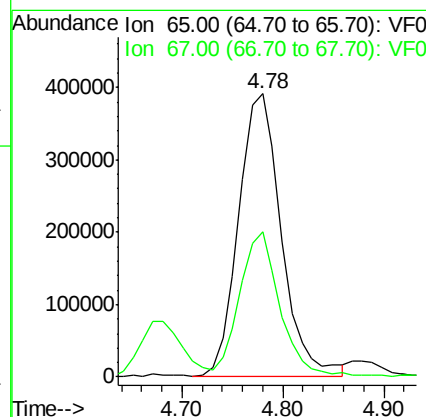
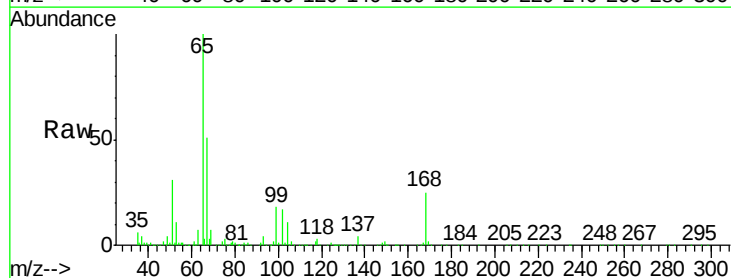
Acq: 16 Sep 2015 15:37

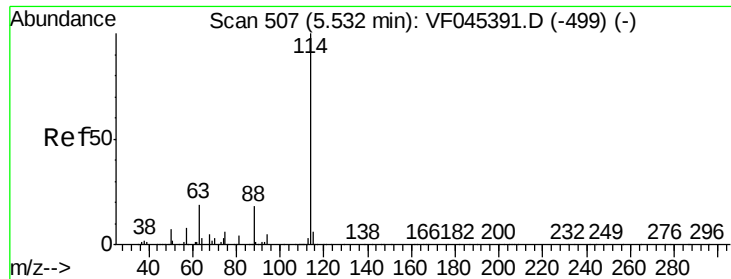
Tgt Ion: 65 Resp: 1144282

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.2





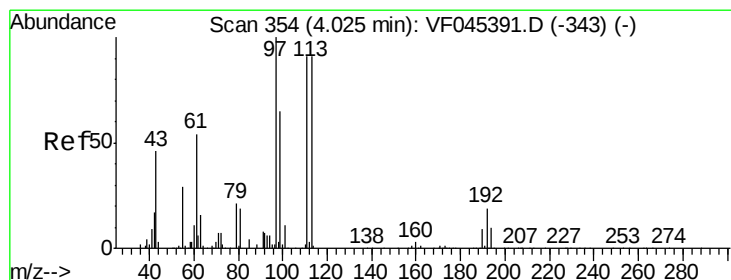
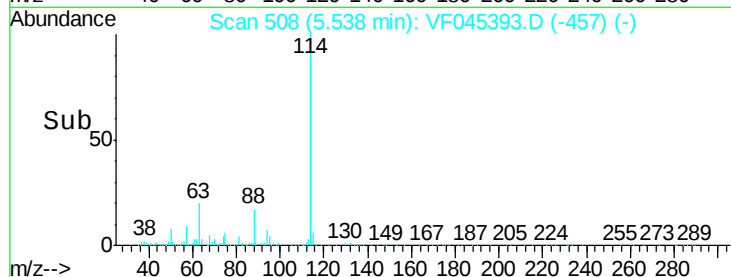
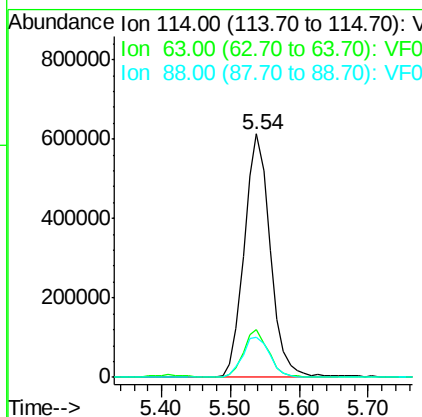
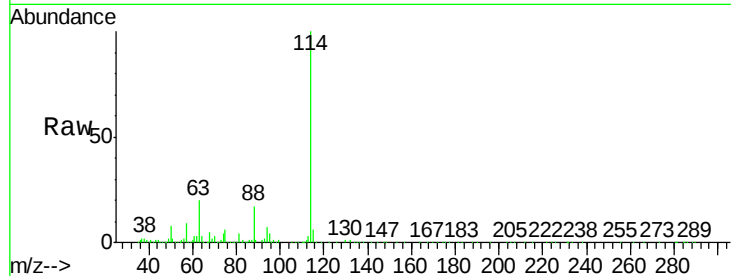
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.2
88	16.7	0.0	37.0

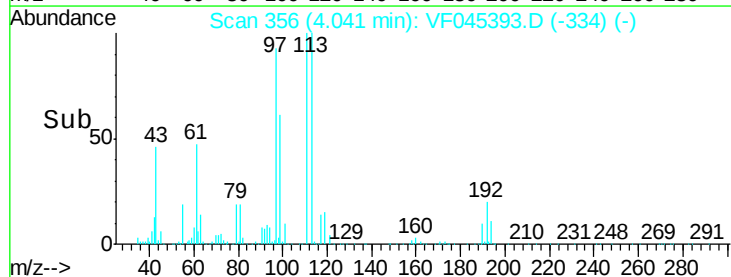
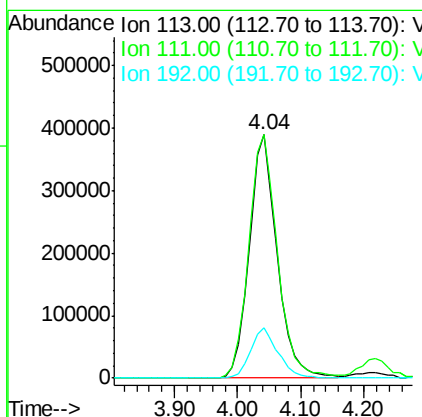
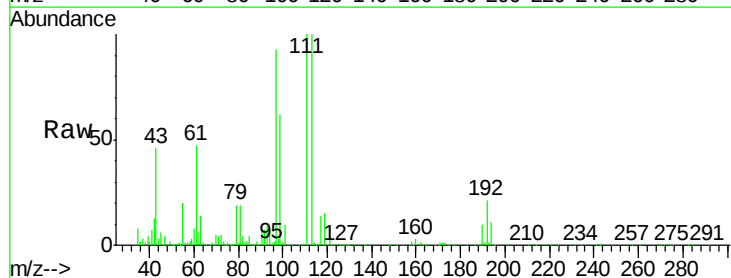
Manual Integrations
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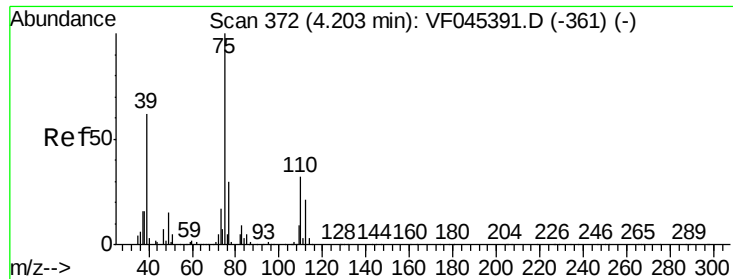
MMDadoda
 9/17/2015 12:51:00 PM



#34
 Dibromofluoromethane
 Concen: 96.90 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	75.5	113.3
192	20.5	15.6	23.4





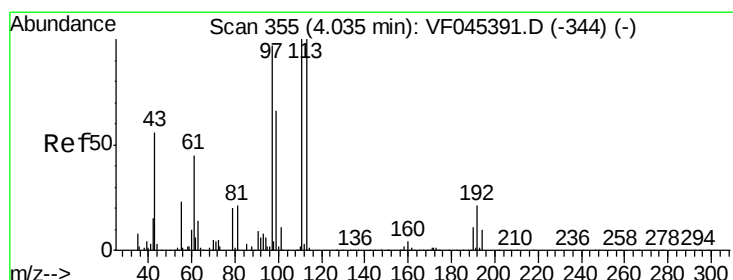
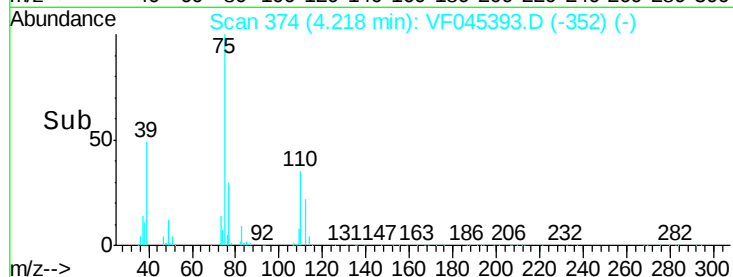
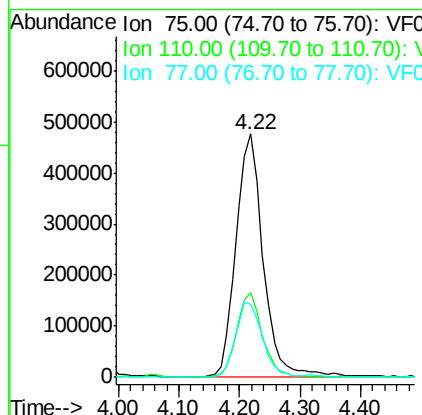
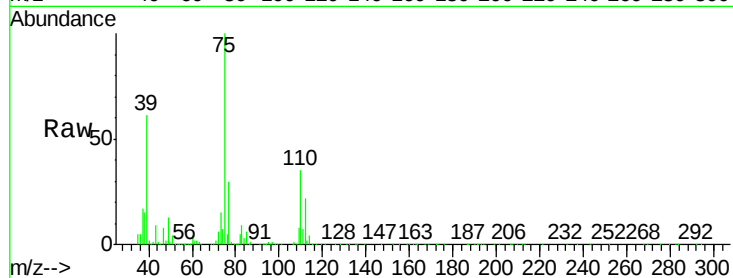
#35
1,1-Dichloropropene
Concen: 96.55 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.6	15.9	47.6
77	30.0	24.2	36.4

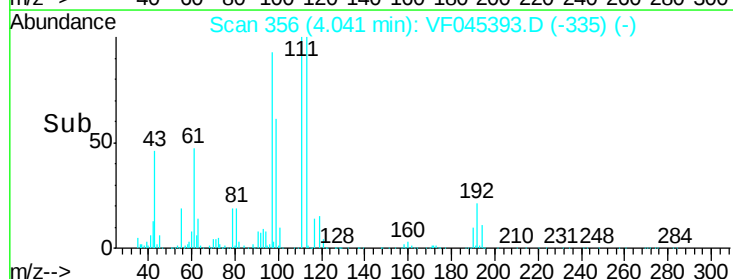
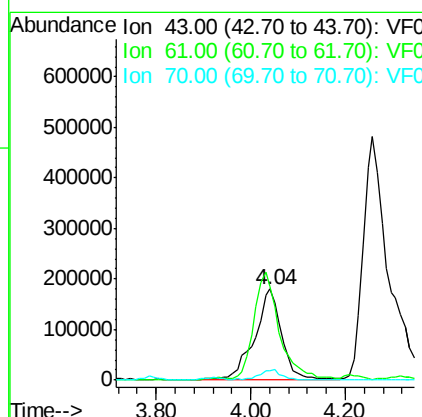
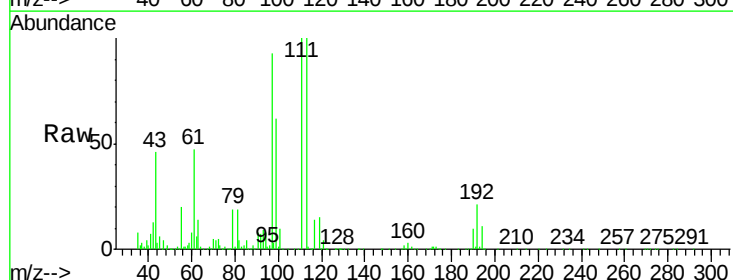
Manual Integrations
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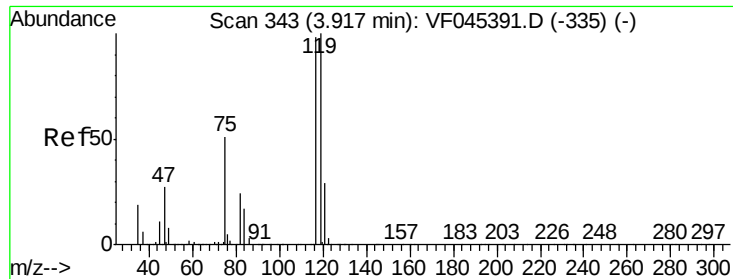
MMDadoda
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#36
Ethyl Acetate
Concen: 91.07 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	102.7	49.4	74.0#
70	10.0	10.8	16.2#





#37

Carbon Tetrachloride

Concen: 98.40 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 1553360

Ion Ratio Lower Upper

117 100

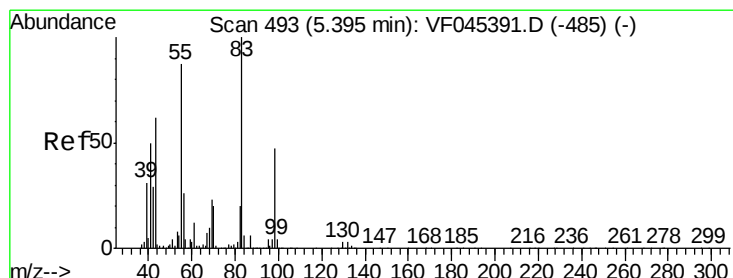
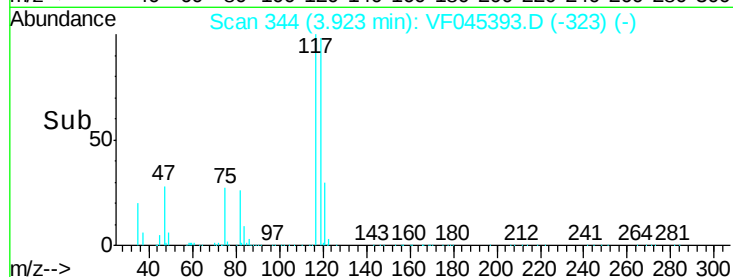
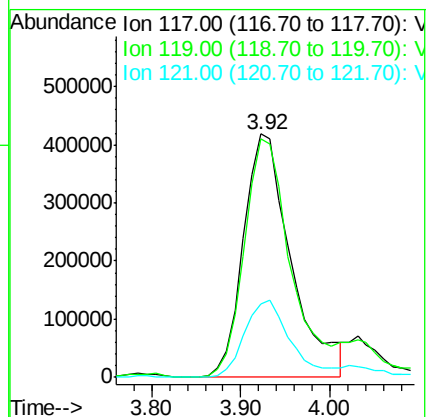
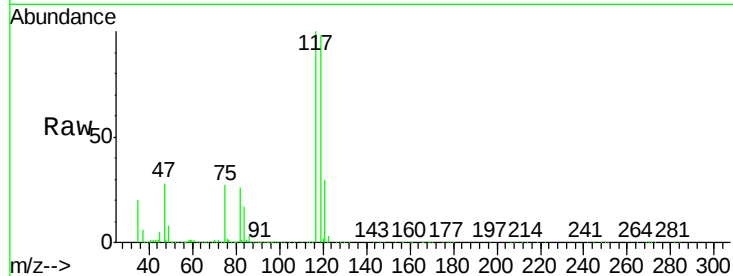
119 97.8 77.8 116.8

121 30.1 25.4 38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 90.86 ug/l

RT: 5.40 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

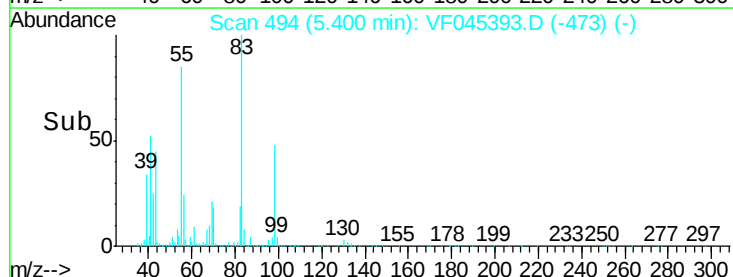
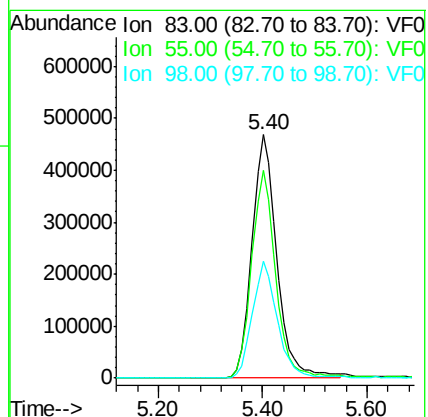
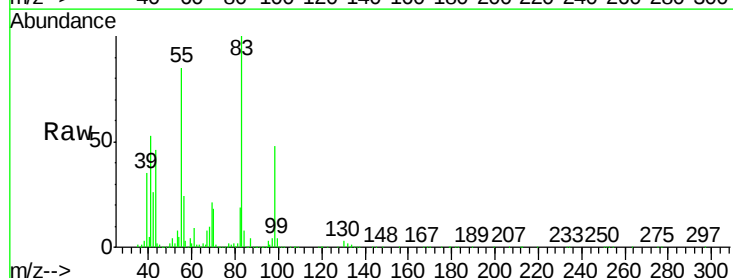
Tgt Ion: 83 Resp: 1506373

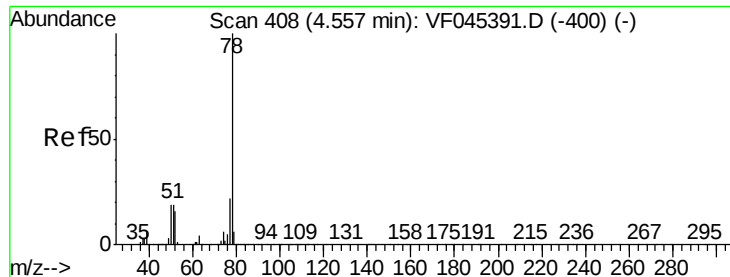
Ion Ratio Lower Upper

83 100

55 85.1 60.5 90.7

98 48.0 38.1 57.1





#39

Benzene

Concen: 89.76 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.02 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 78 Resp: 3274962

Ion Ratio Lower Upper

78 100

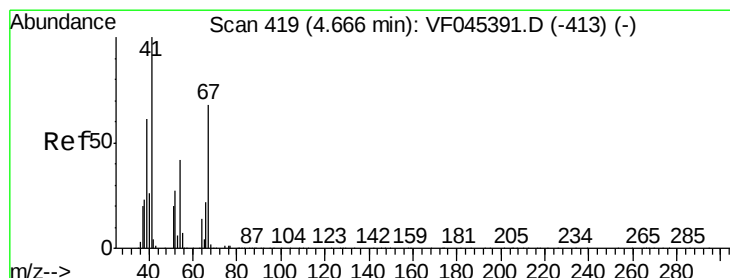
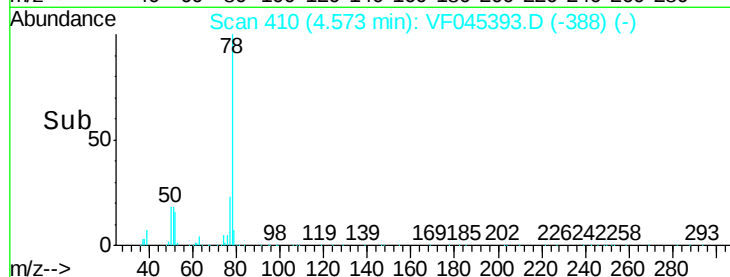
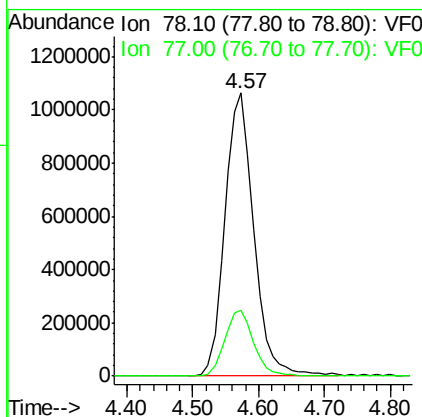
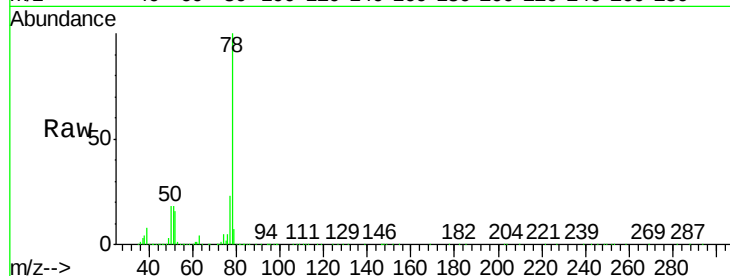
77 23.3 18.6 28.0

Manual Integrations

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#40

Methacrylonitrile

Concen: 93.62 ug/l

RT: 4.68 min Scan# 421

Delta R.T. 0.02 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion: 41 Resp: 346963

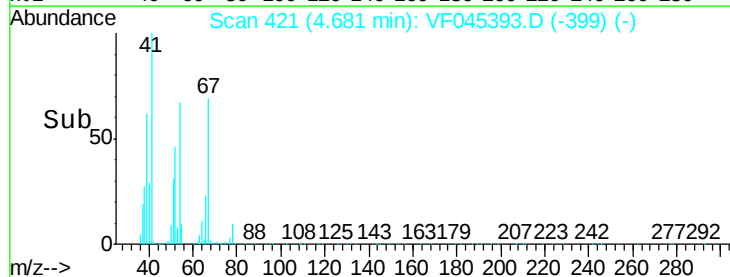
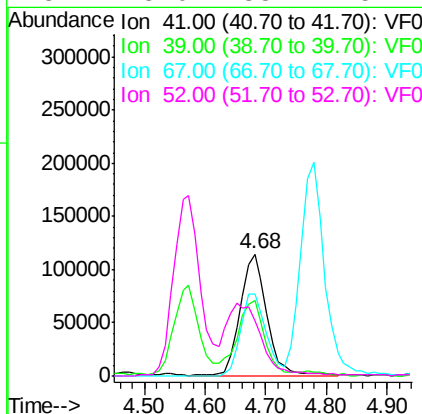
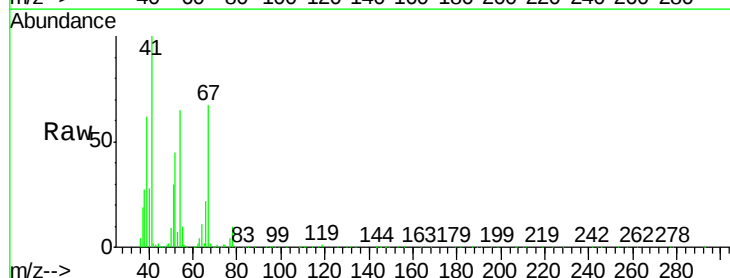
Ion Ratio Lower Upper

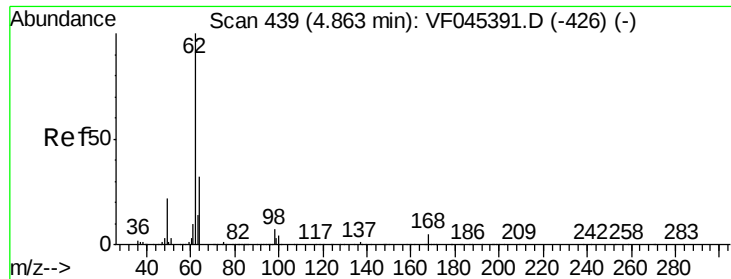
41 100

39 62.0 44.9 67.3

67 67.4 49.0 73.4

52 45.0 38.2 57.2





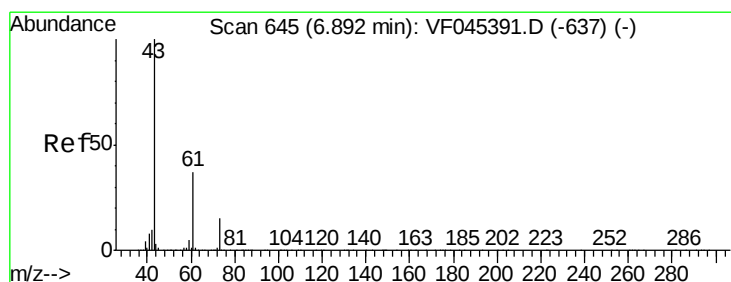
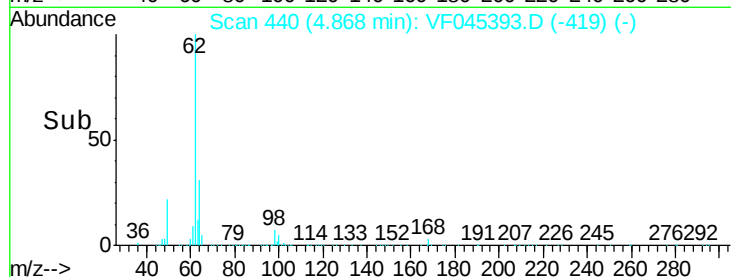
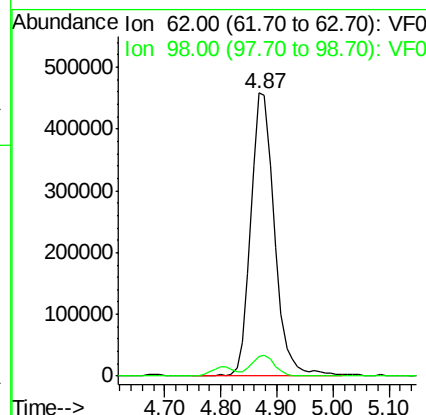
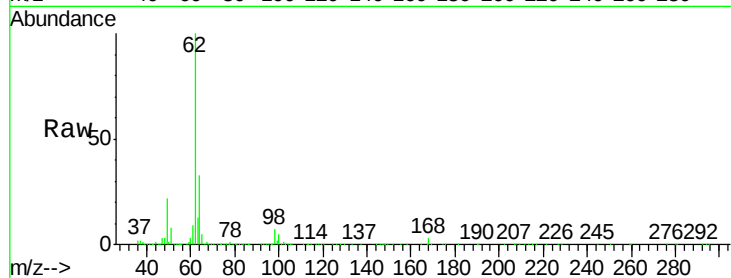
#41
 1,2-Dichloroethane
 Concen: 94.59 ug/l
 RT: 4.87 min Scan# 440
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.0

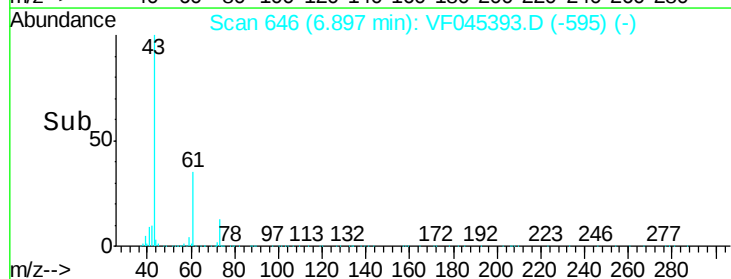
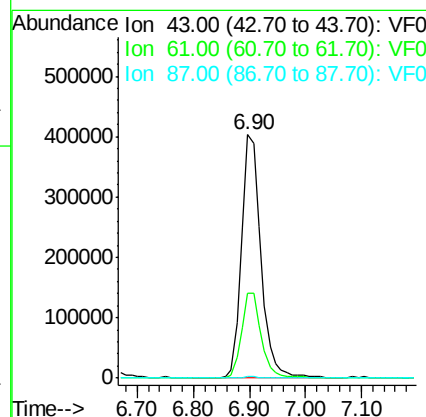
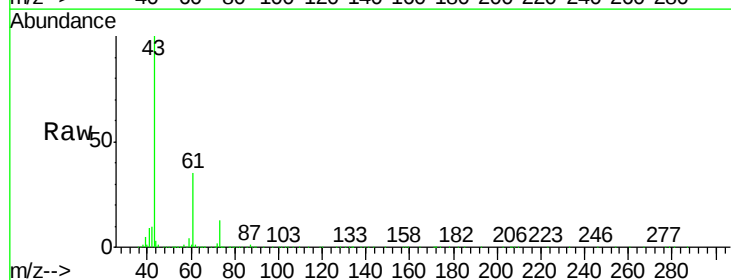
Manual Integrations
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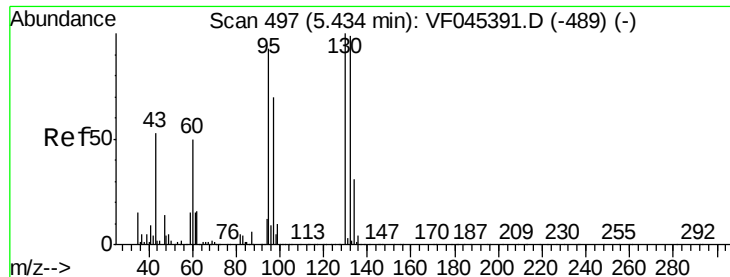
MMDadoda
 9/17/2015 12:51:00 PM



#42
 Isopropyl Acetate
 Concen: 93.66 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	34.9	29.8	44.6
87	0.6	0.2	0.2#





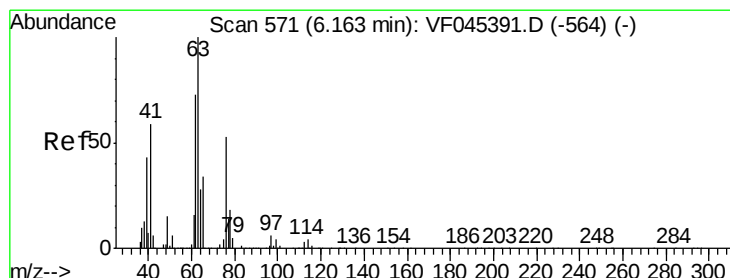
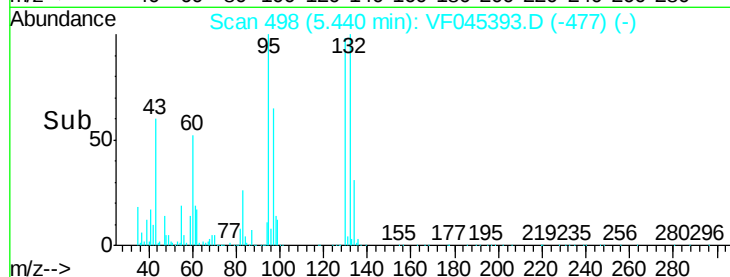
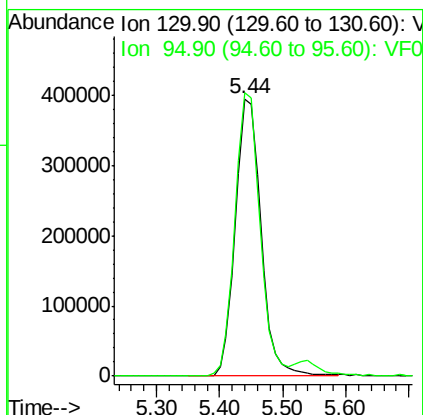
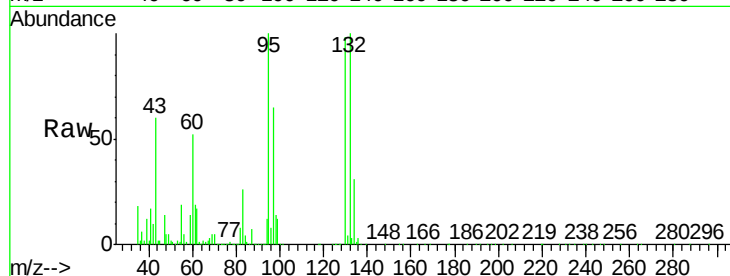
#43
 Trichloroethene
 Concen: 91.46 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 1112132
 Ion Ratio Lower Upper
 130 100
 95 102.2 0.0 192.2

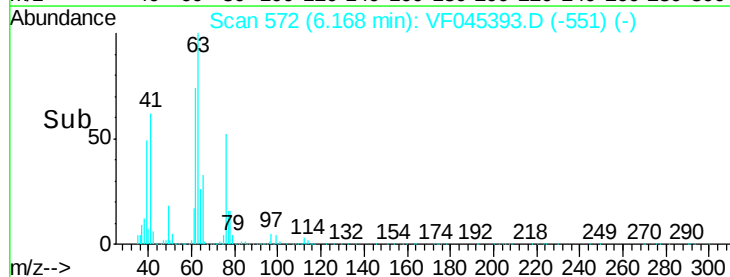
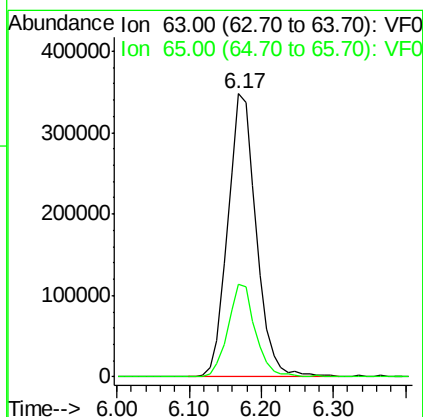
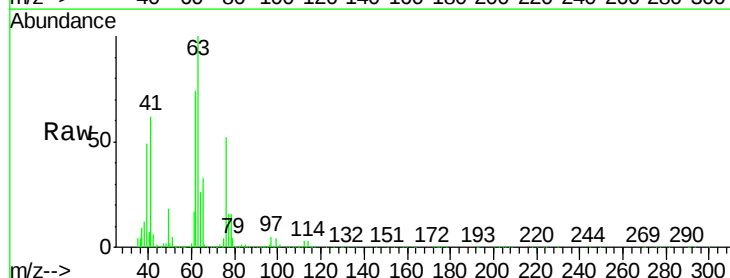
Manual Integrations
 APPROVED

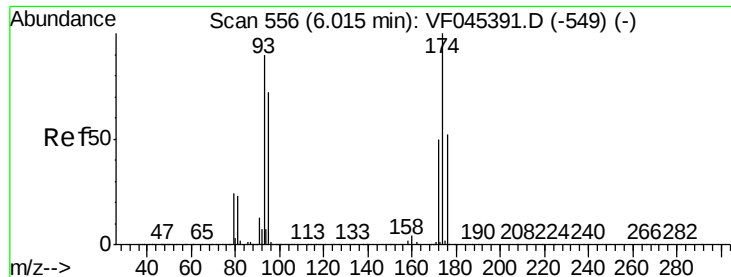
MMDadoda
 9/17/2015 12:51:00 PM



#44
 1,2-Dichloropropane
 Concen: 89.53 ug/l
 RT: 6.17 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion: 63 Resp: 955037
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.6 38.4





#45

Dibromomethane

Concen: 94.71 ug/l

RT: 6.02 min Scan# 557

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

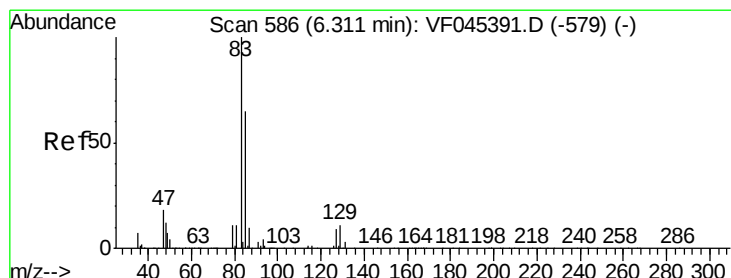
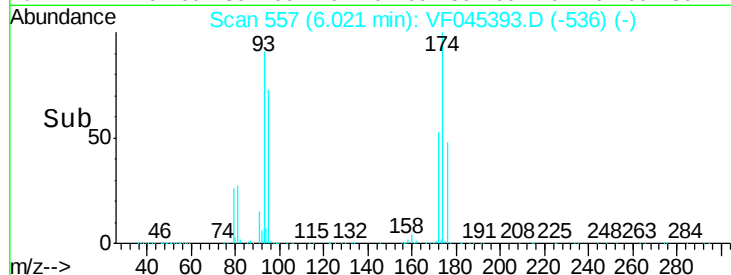
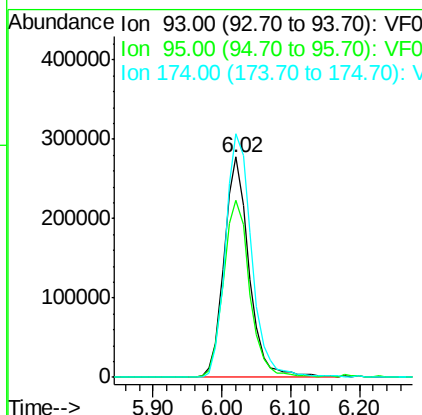
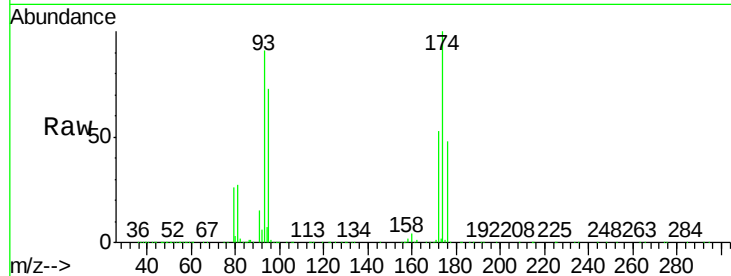
ClientSampleId :

VSTDIC100

Tot Ion:	93	Resp:	697678
Ion	Ratio	Lower	Upper
93	100		
95	80.5	69.8	104.6
174	110.5	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 90.81 ug/l

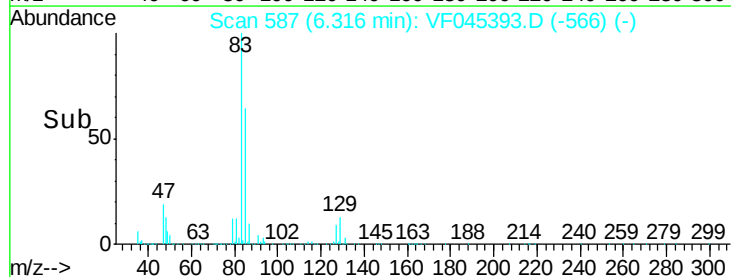
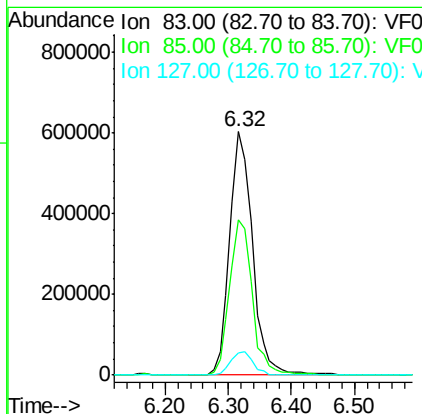
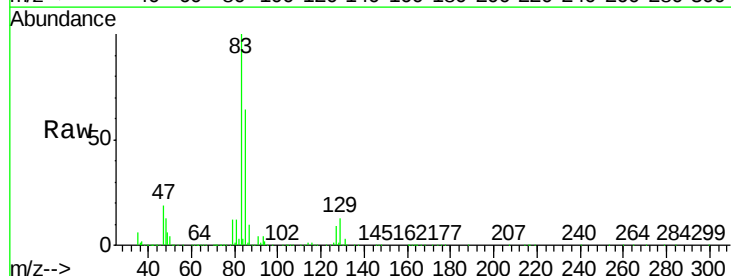
RT: 6.32 min Scan# 587

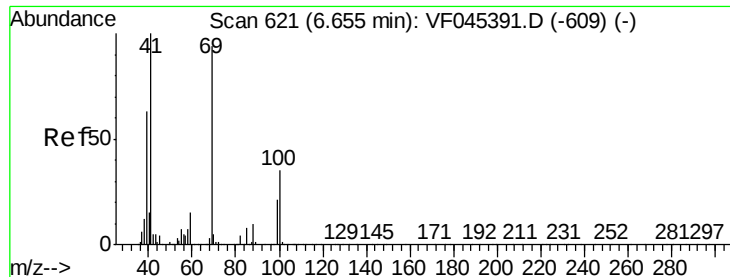
Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion:	83	Resp:	1508282
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	75.8
127	9.0	7.7	11.5





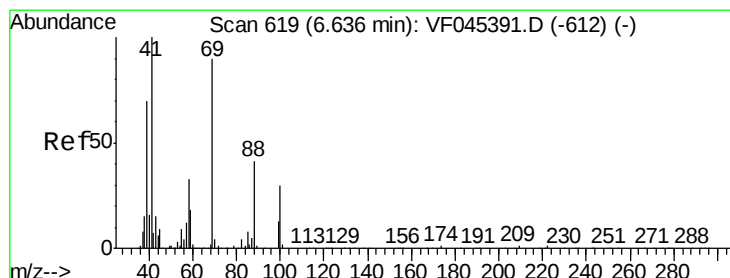
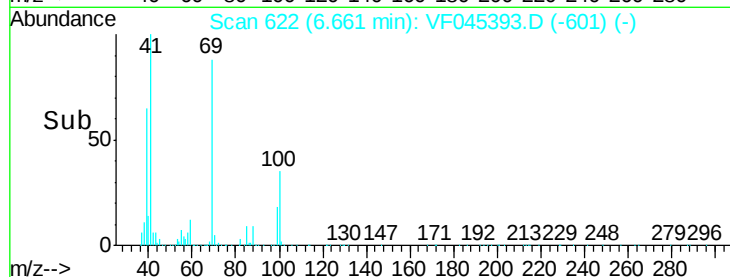
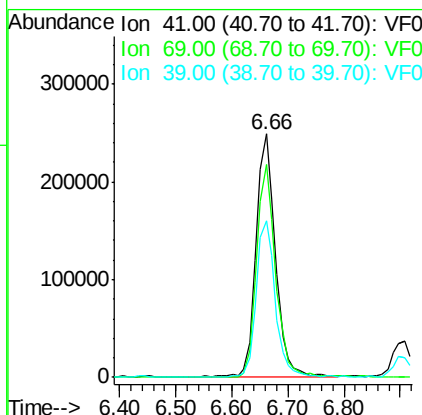
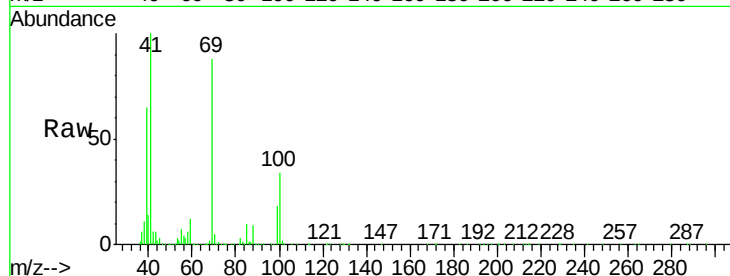
#47
Methvl methacrvlate
Concen: 95.15 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
41	100	596926		
69	87.6	63.3	94.9	
39	64.5	48.9	73.3	

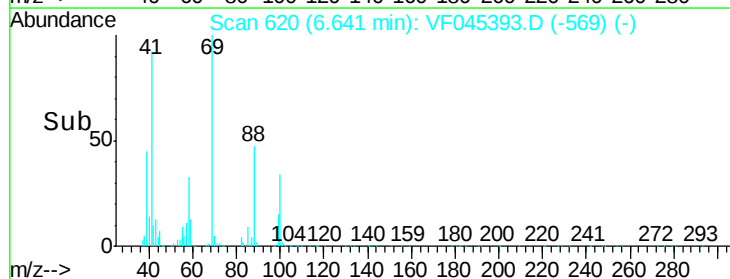
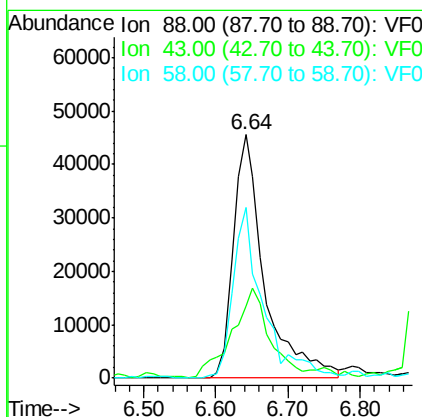
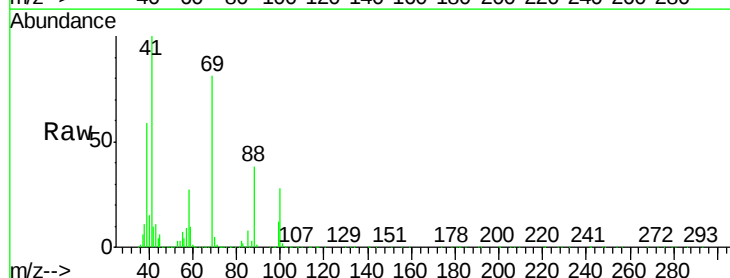
Manual Integrations
APPROVED

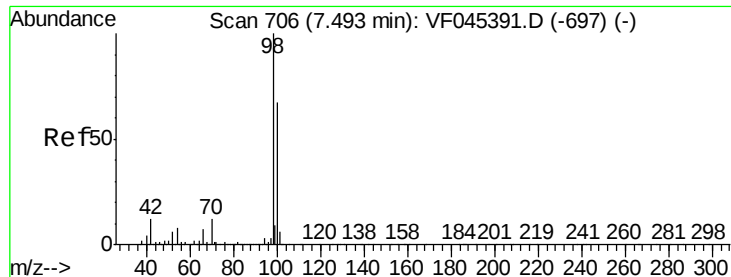
MMDadoda
9/17/2015 12:51:00 PM



#48
1,4-Dioxane
Concen: 1848.71 ug/l
RT: 6.64 min Scan# 620
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	136996		
43	29.5	34.5	51.7#	
58	70.2	46.5	69.7#	





#49

Toluene-d8

Concen: 91.05 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tot Ion: 98 Resp: 3348503

Ion Ratio Lower Upper

98 100

100 70.7 54.4 81.6

Instrument :

MSVOA_F

ClientSampleId :

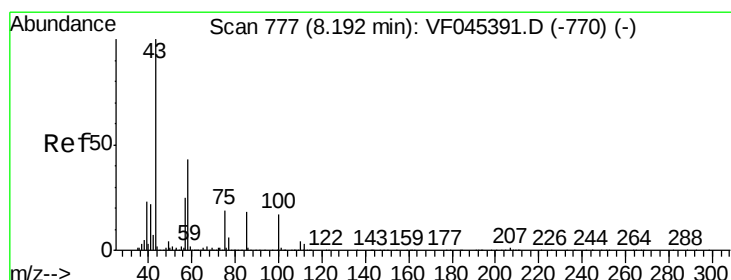
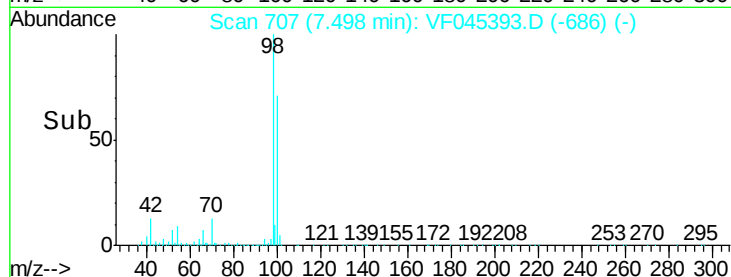
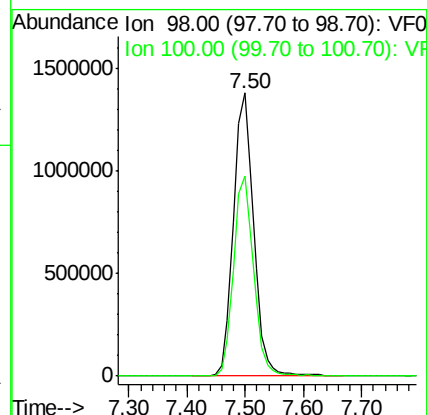
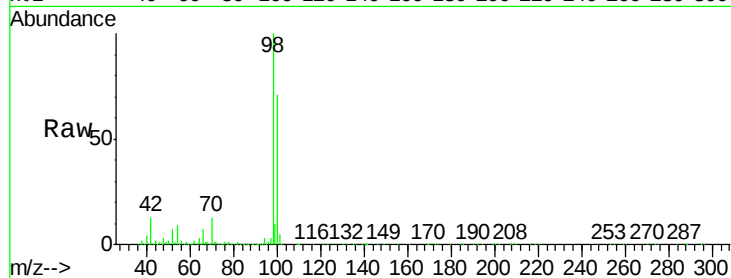
VSTDIC100

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 443.71 ug/l

RT: 8.20 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF045393.D

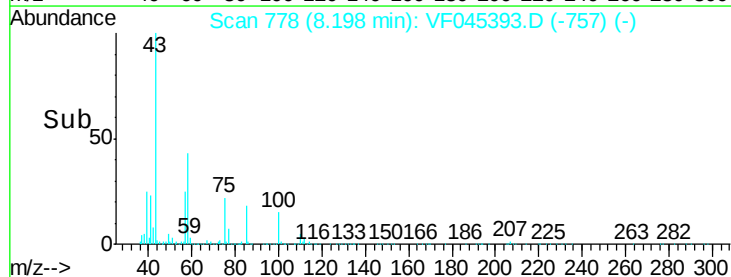
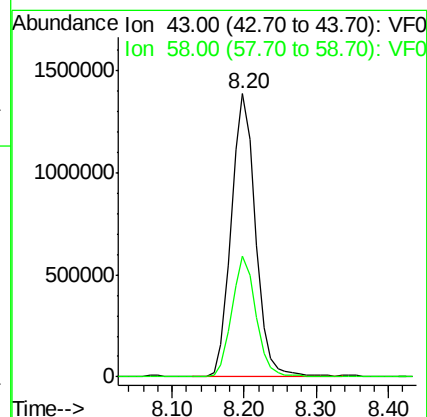
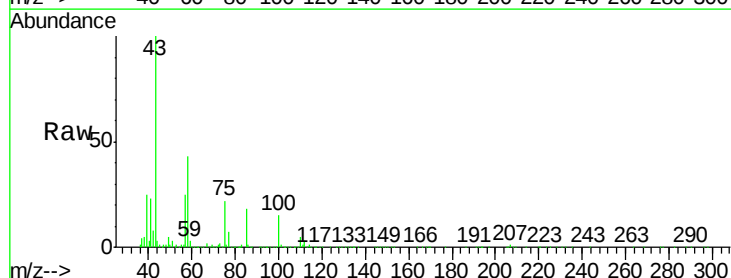
Acq: 16 Sep 2015 15:37

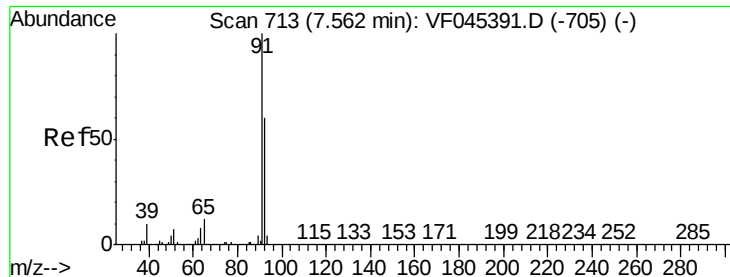
Tgt Ion: 43 Resp: 3259324

Ion Ratio Lower Upper

43 100

58 42.7 33.6 50.4





#51

Toluene

Concen: 88.05 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 2431958

Ion Ratio Lower Upper

92 100

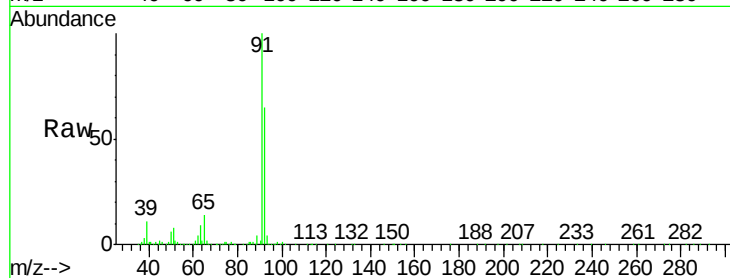
91 153.5 133.4 200.0

Manual Integrations

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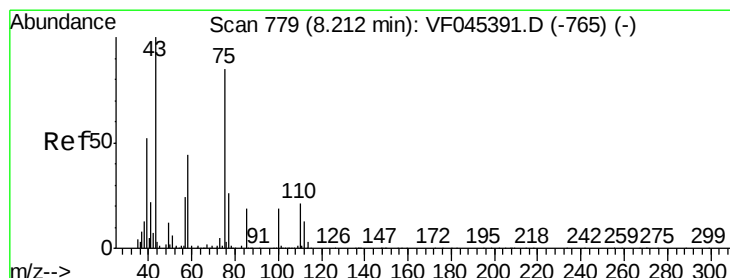
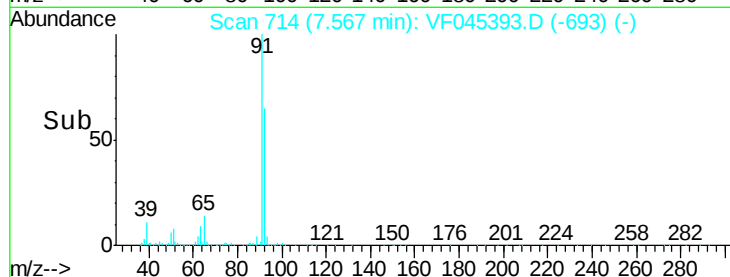
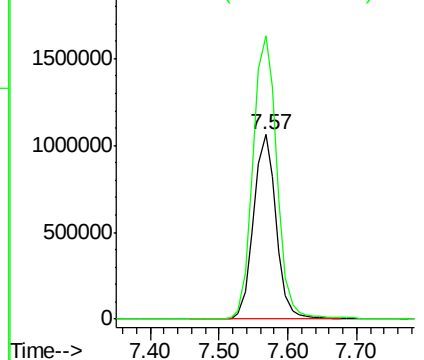
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#52

t-1,3-Dichloropropene

Concen: 95.52 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF045393.D

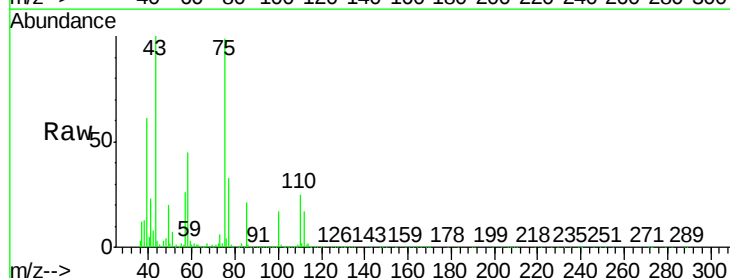
Acq: 16 Sep 2015 15:37

Tgt Ion: 75 Resp: 1421574

Ion Ratio Lower Upper

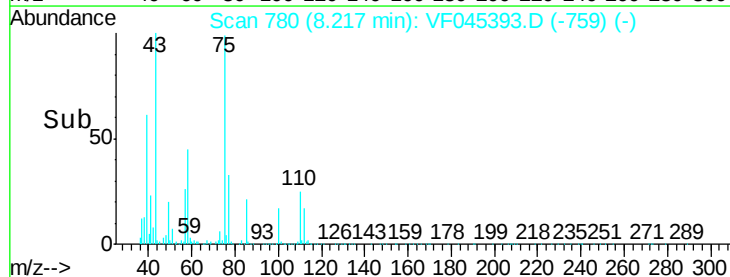
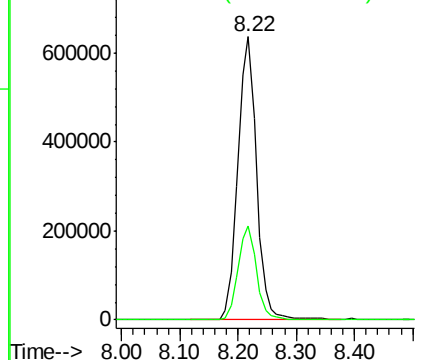
75 100

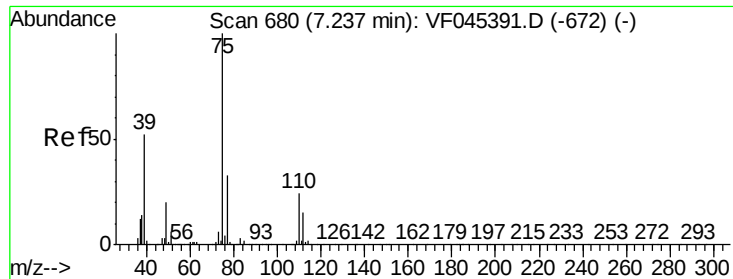
77 33.3 28.1 42.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#53

cis-1,3-Dichloropropene

Concen: 94.82 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1685290

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

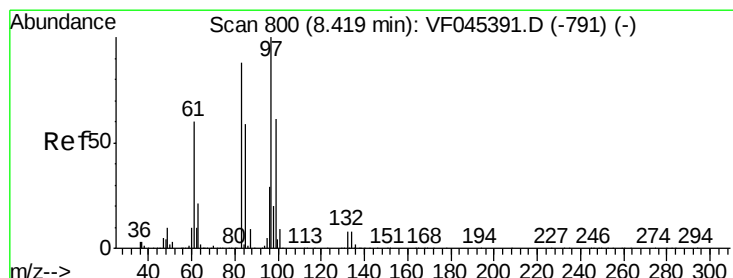
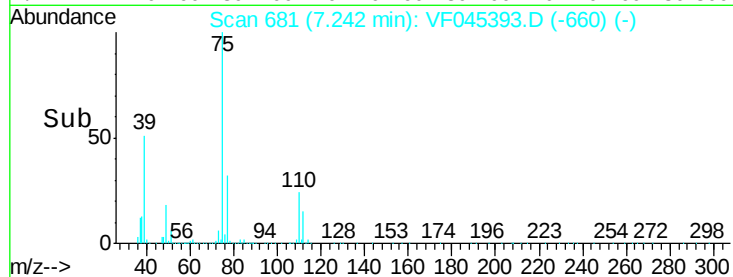
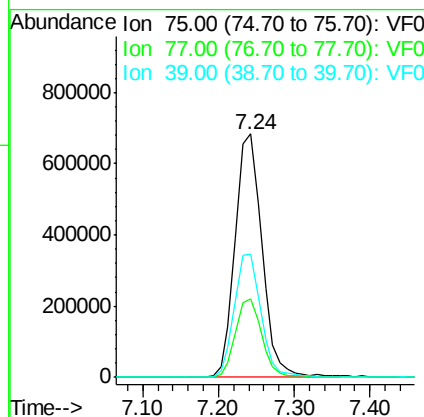
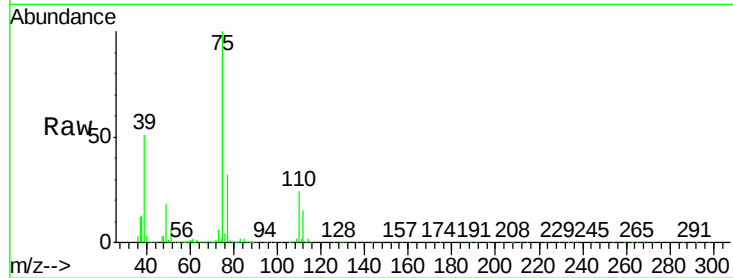
39 50.9 41.6 62.4

Manual Integrations

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#54

1,1,2-Trichloroethane

Concen: 91.67 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion: 97 Resp: 853702

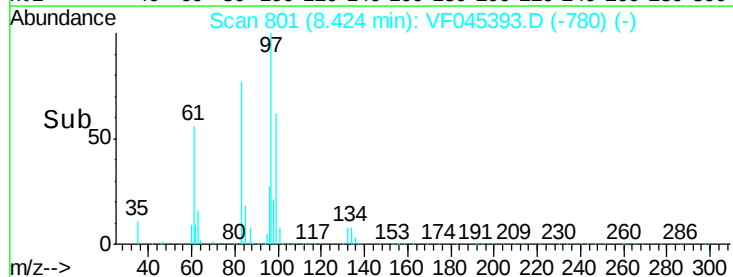
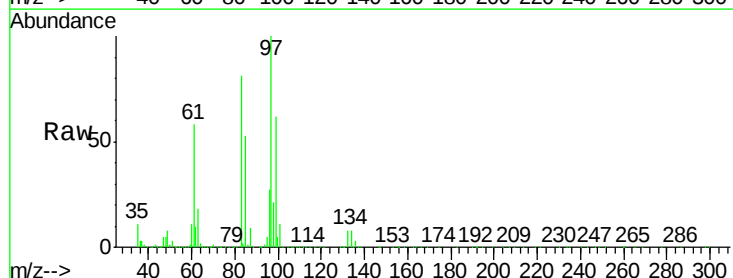
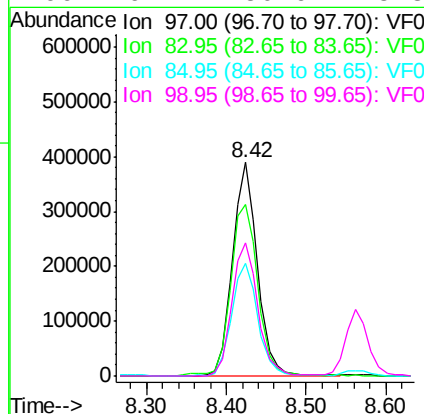
Ion Ratio Lower Upper

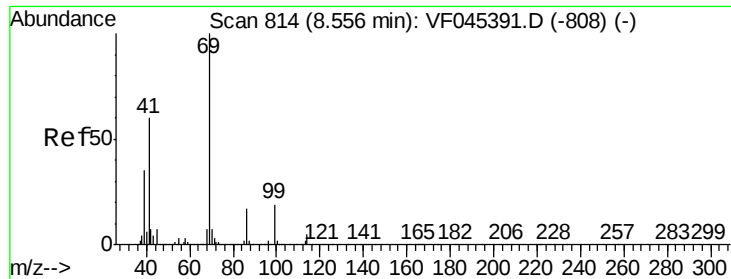
97 100

83 80.6 70.1 105.1

85 52.6 47.4 71.2

99 62.2 50.6 75.8





#55

Ethyl methacrylate

Concen: 94.47 ug/l

RT: 8.56 min Scan# 815

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 1145072

Ion Ratio Lower Upper

69 100

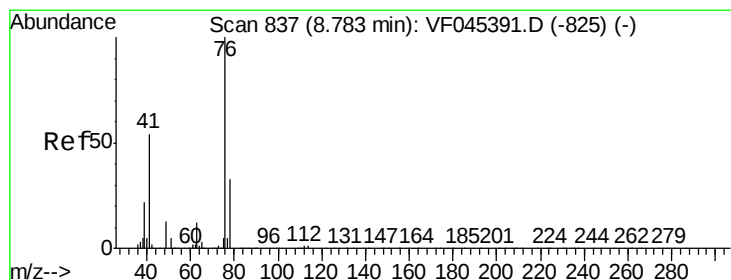
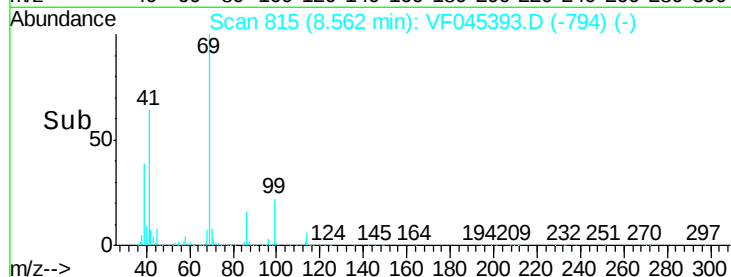
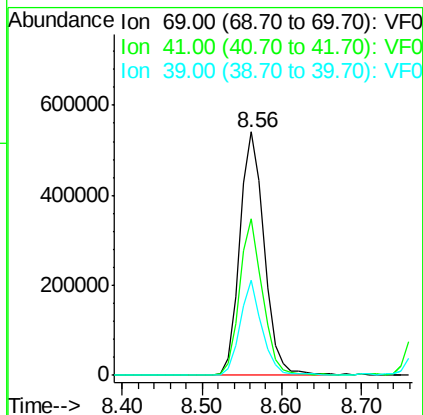
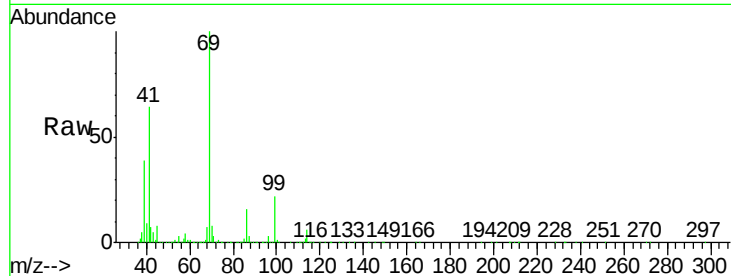
41 64.3 51.0 76.4

39 39.2 29.1 43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 90.09 ug/l

RT: 8.78 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF045393.D

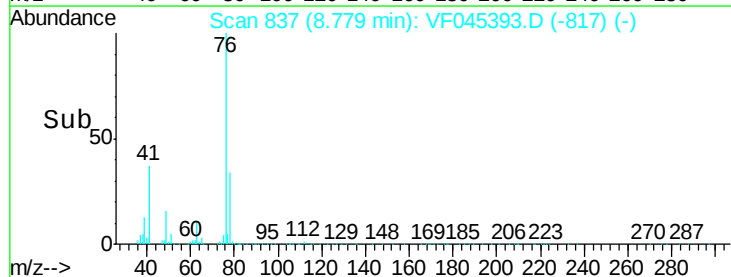
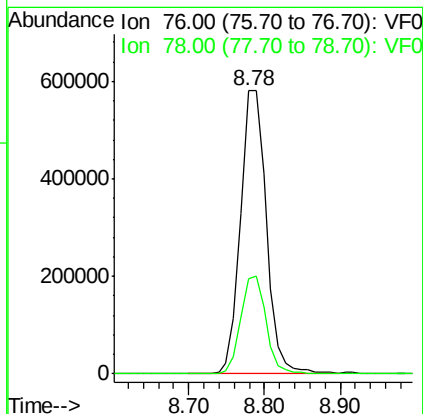
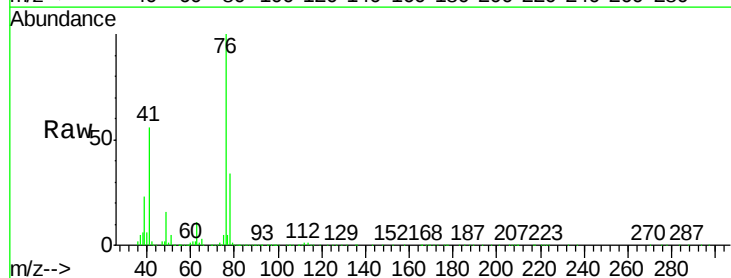
Acq: 16 Sep 2015 15:37

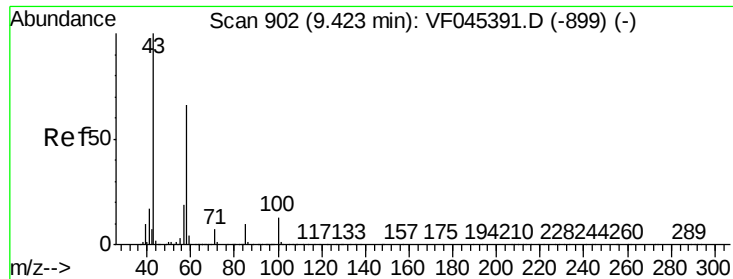
Tgt Ion: 76 Resp: 1380008

Ion Ratio Lower Upper

76 100

78 33.6 26.1 39.1





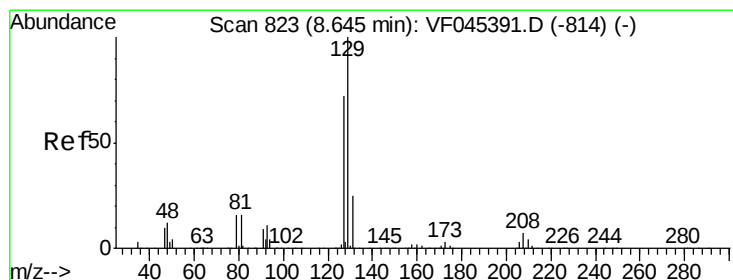
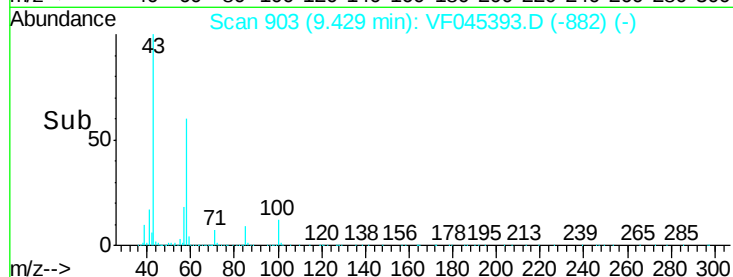
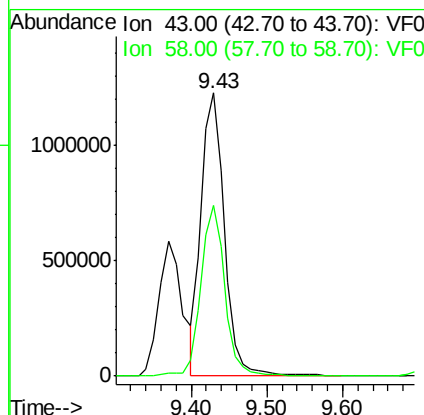
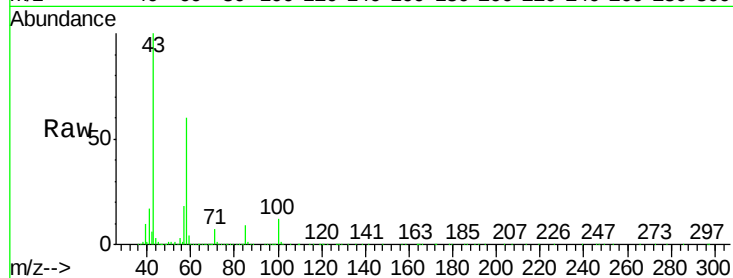
#58
2-Hexanone
Concen: 447.00 ug/l
RT: 9.43 min Scan# 903
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2598116
Ion Ratio Lower Upper
43 100
58 60.4 28.8 86.5

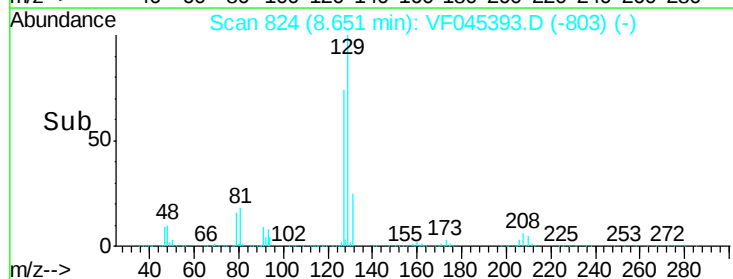
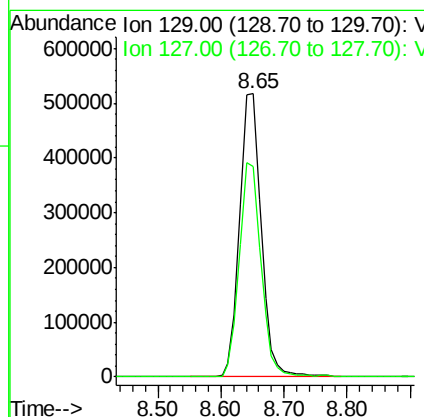
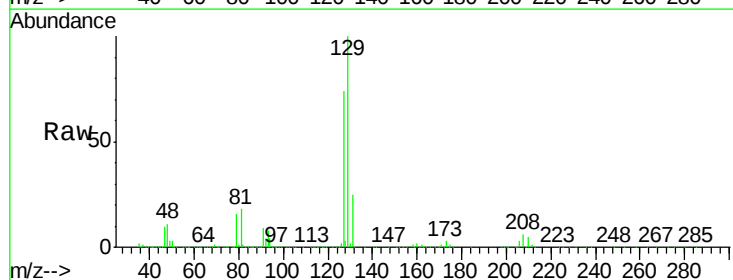
Manual Integrations
APPROVED

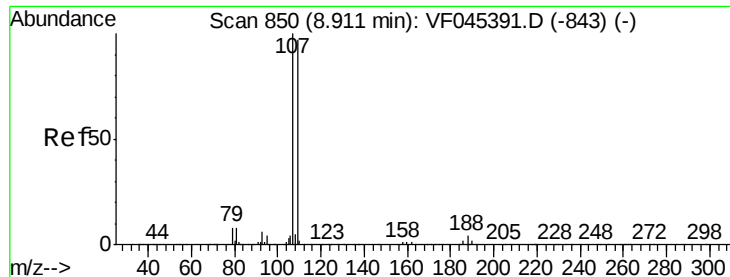
MMDadoda
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#59
Dibromochloromethane
Concen: 93.87 ug/l
RT: 8.65 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion: 129 Resp: 1225689
Ion Ratio Lower Upper
129 100
127 74.3 38.2 114.6





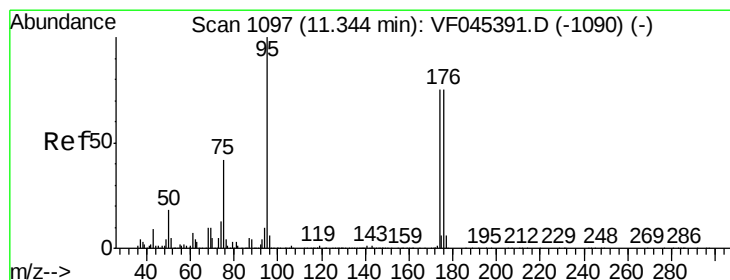
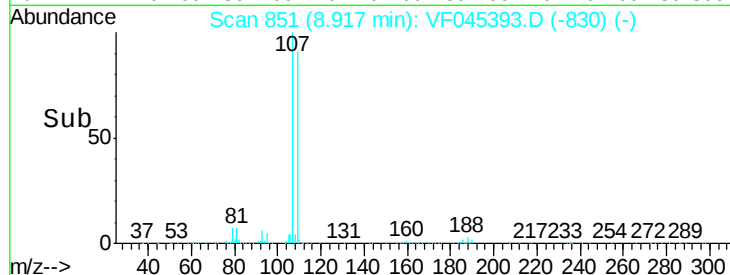
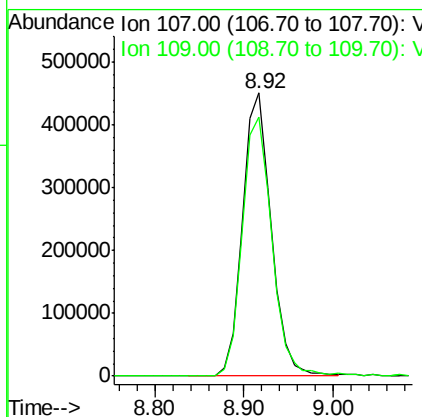
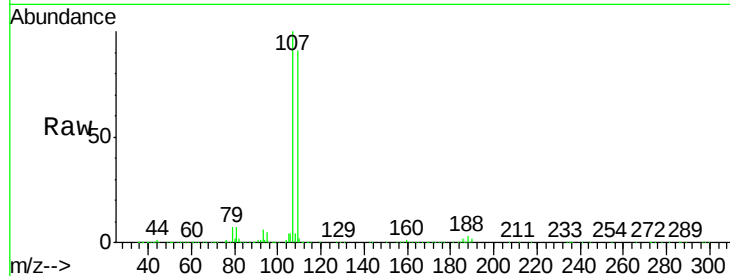
#60
 1,2-Dibromoethane
 Concen: 95.57 ug/l
 RT: 8.92 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 1001771
 Ion Ratio Lower Upper
 107 100
 109 91.4 79.4 119.0

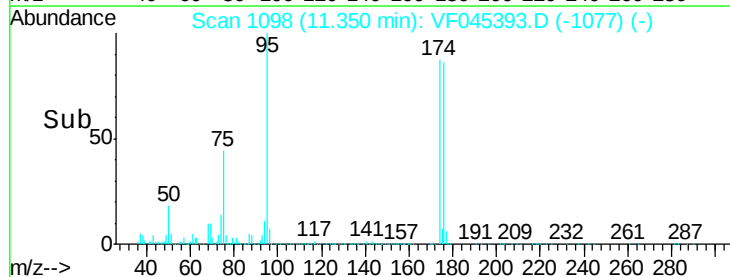
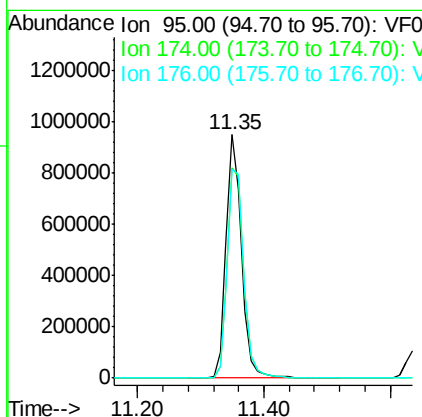
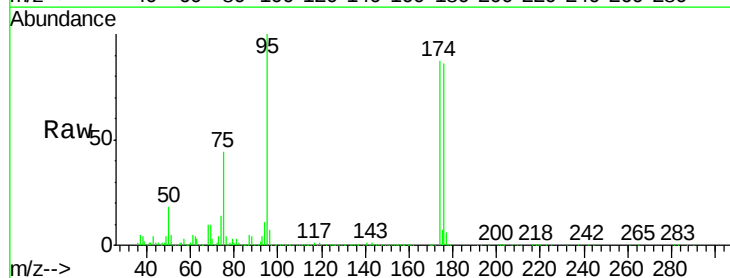
Manual Integrations
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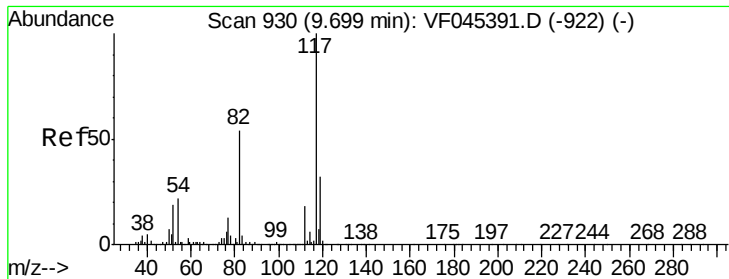
MMDadoda
 9/17/2015 12:51:00 PM



#61
 4-Bromofluorobenzene
 Concen: 91.35 ug/l
 RT: 11.35 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion: 95 Resp: 1610091
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 177.8
 176 85.7 0.0 176.2





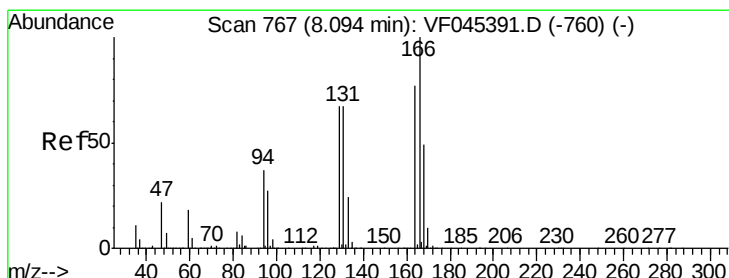
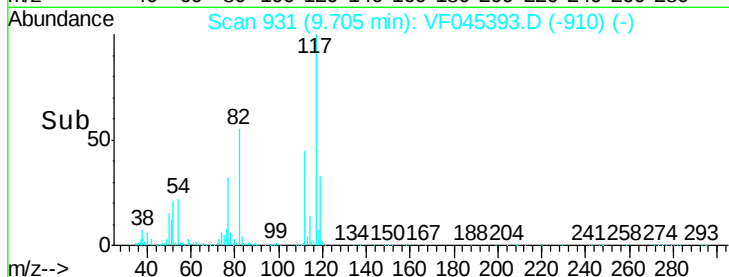
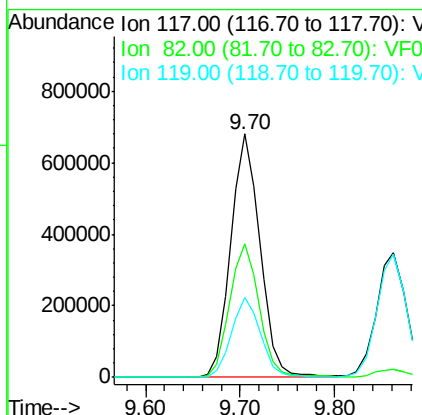
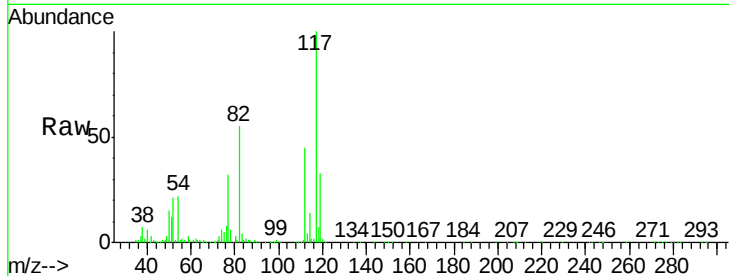
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1458103
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.6
119 32.7 26.2 39.4

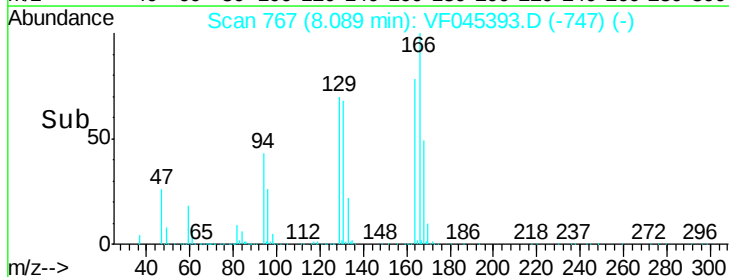
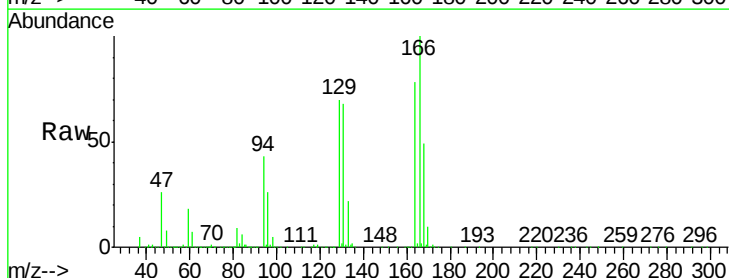
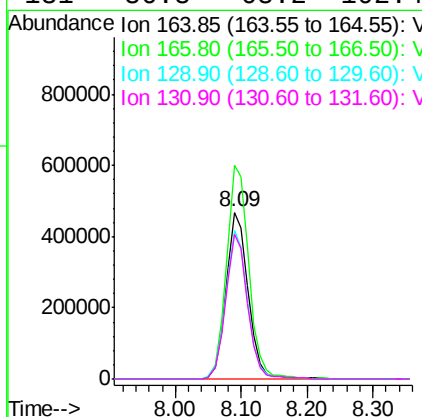
Manual Integrations
APPROVED

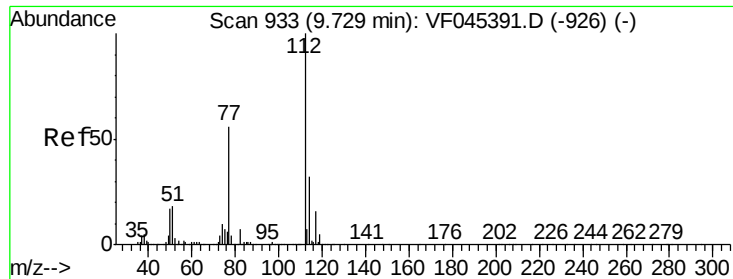
MMDadoda
9/17/2015 12:51:00 PM



#63
Tetrachloroethene
Concen: 96.01 ug/l
RT: 8.09 min Scan# 767
Delta R.T. -0.00 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion:164 Resp: 1099083
Ion Ratio Lower Upper
164 100
166 127.9 106.0 159.0
129 89.2 69.8 104.6
131 86.8 68.2 102.4





#64

Chlorobenzene

Concen: 93.81 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 2884276

Ion Ratio Lower Upper

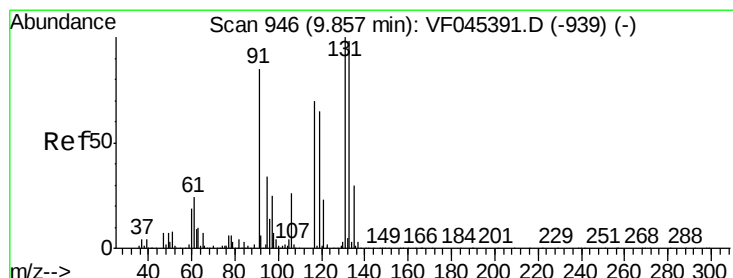
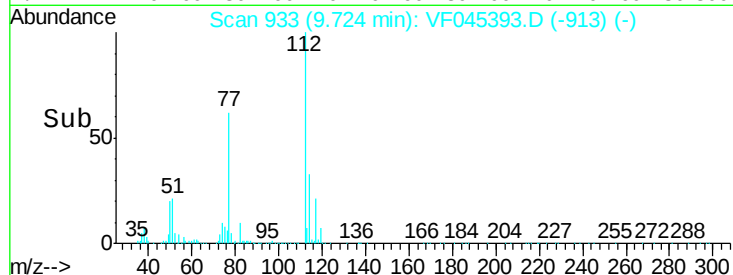
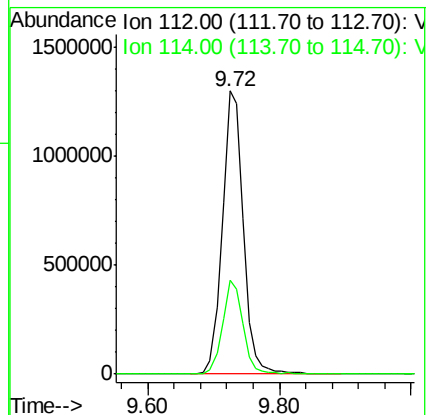
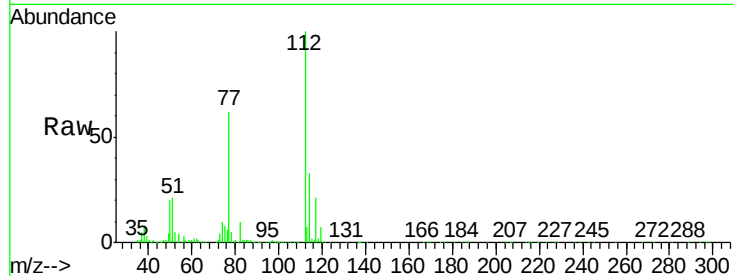
112 100

114 33.1 25.6 38.4

Manual Integrations
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#65

1,1,1,2-Tetrachloroethane

Concen: 101.32 ug/l

RT: 9.86 min Scan# 947

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

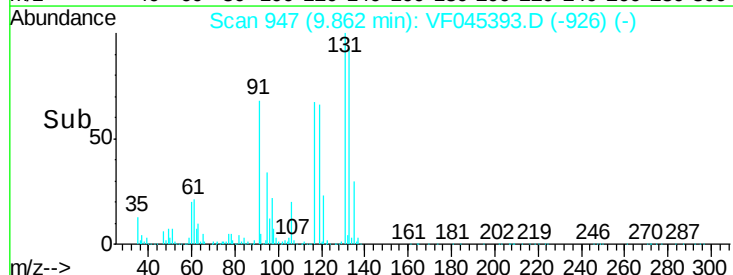
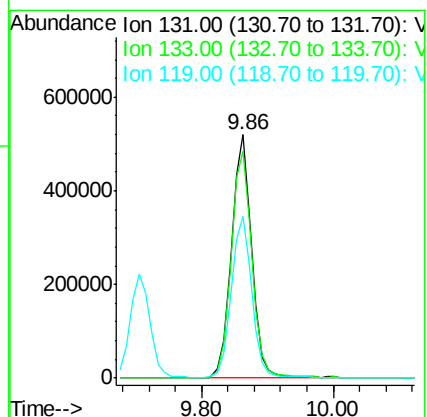
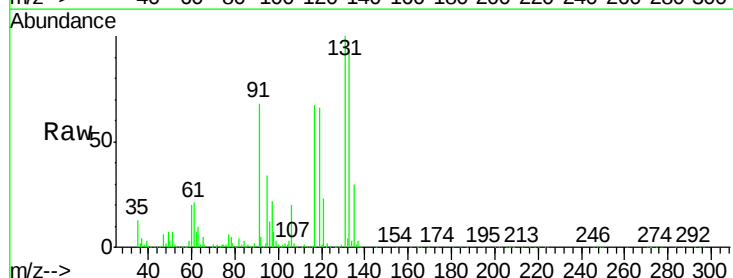
Tgt Ion:131 Resp: 1125483

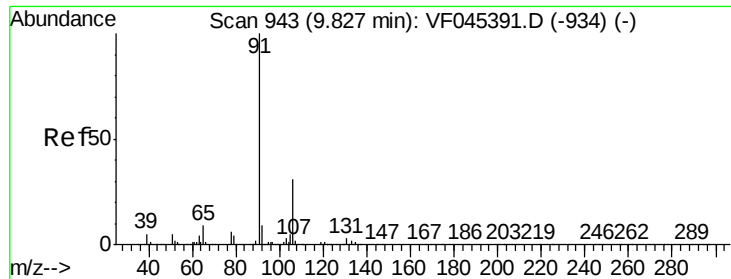
Ion Ratio Lower Upper

131 100

133 93.2 48.1 144.4

119 66.4 34.8 104.5





#66

Ethyl Benzene

Concen: 90.86 ug/l

RT: 9.83 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4849989

Ion Ratio Lower Upper

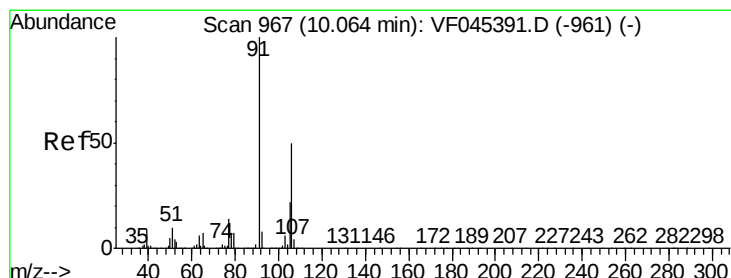
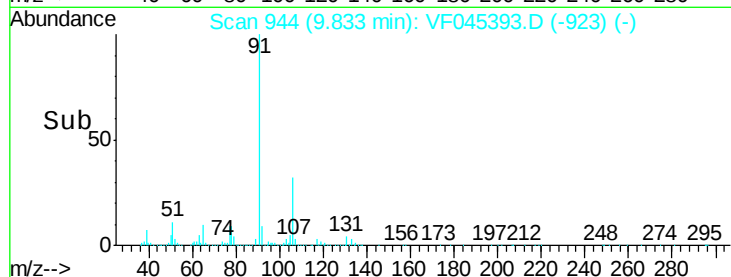
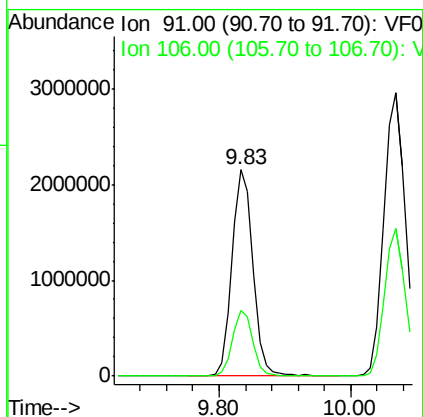
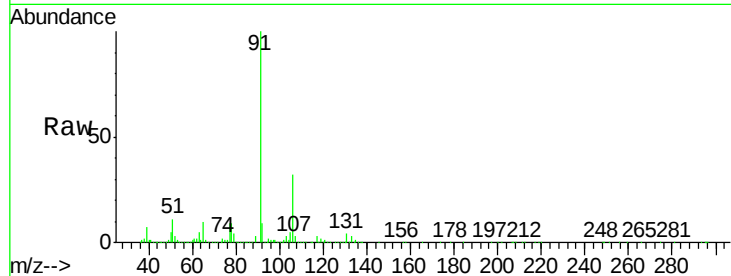
91 100

106 32.0 23.6 35.4

Manual Integrations
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#67

m/p-Xylenes

Concen: 175.63 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF045393.D

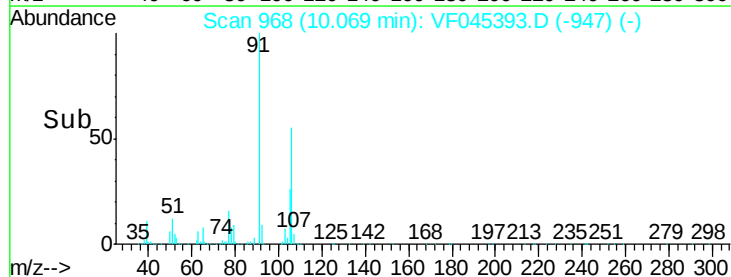
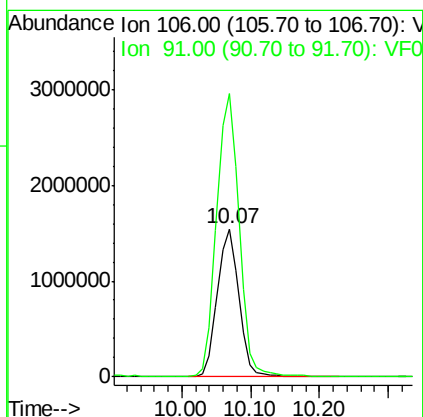
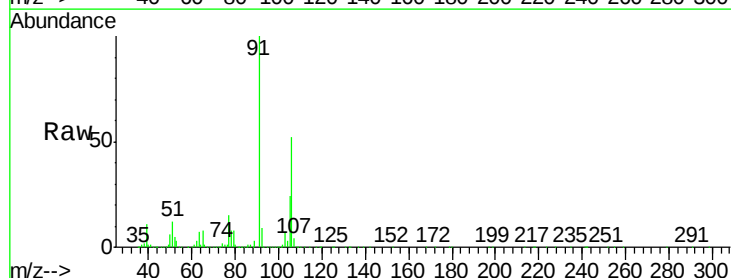
Acq: 16 Sep 2015 15:37

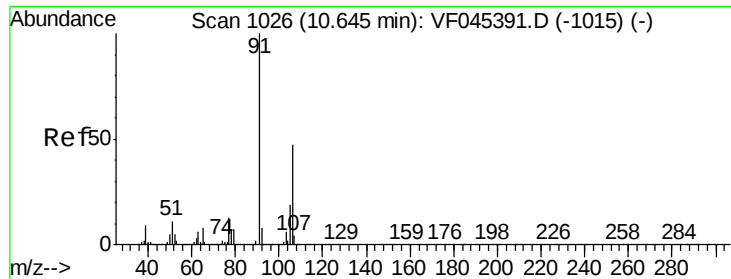
Tgt Ion: 106 Resp: 3361554

Ion Ratio Lower Upper

106 100

91 191.5 166.1 249.1





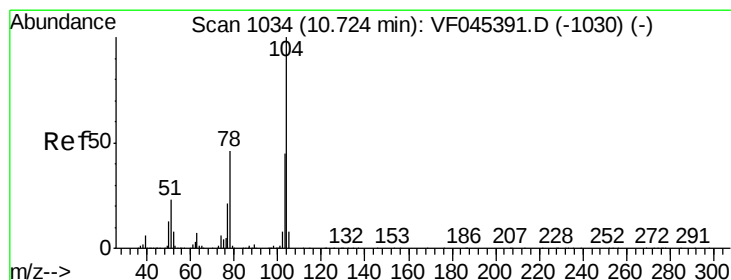
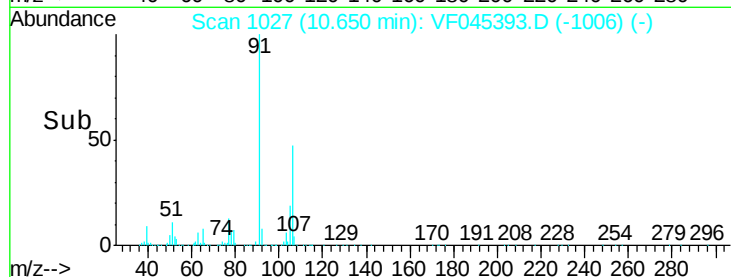
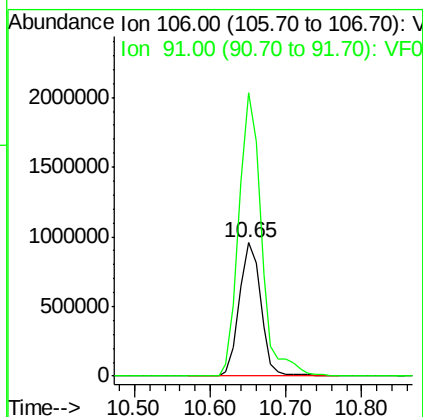
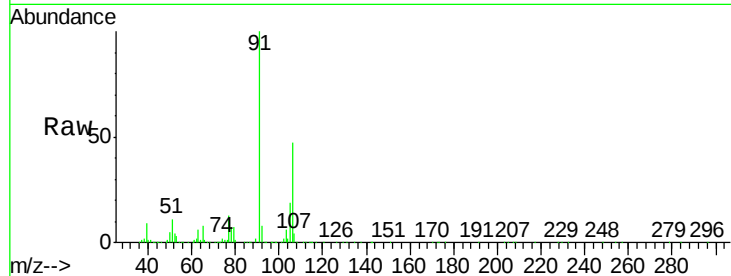
#68
o-Xylene
Concen: 96.23 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1890898
Ion Ratio Lower Upper
106 100
91 212.4 108.1 324.2

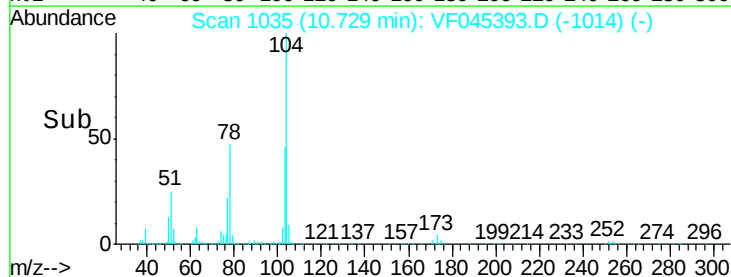
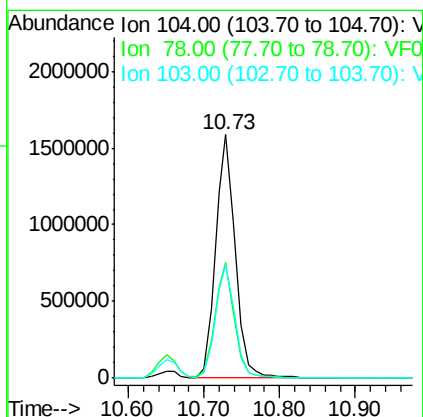
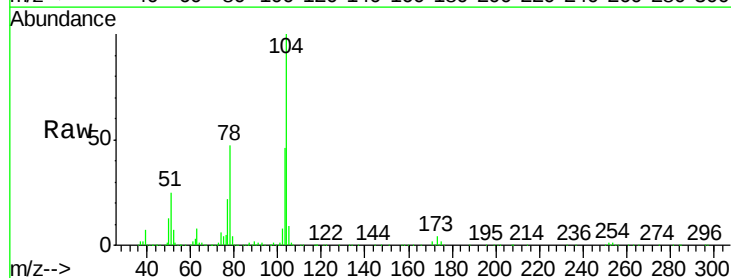
Manual Integrations
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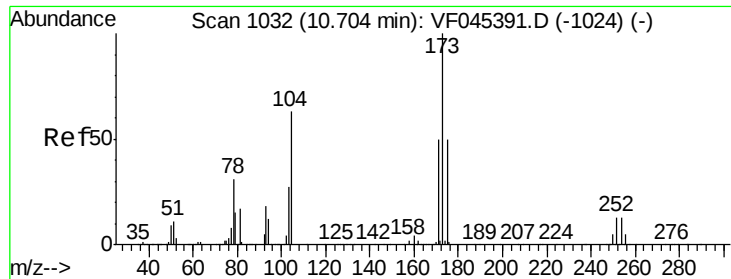
MMDadoda
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#69
Styrene
Concen: 90.79 ug/l
RT: 10.73 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion:104 Resp: 2890792
Ion Ratio Lower Upper
104 100
78 47.3 34.2 51.4
103 46.2 36.7 55.1





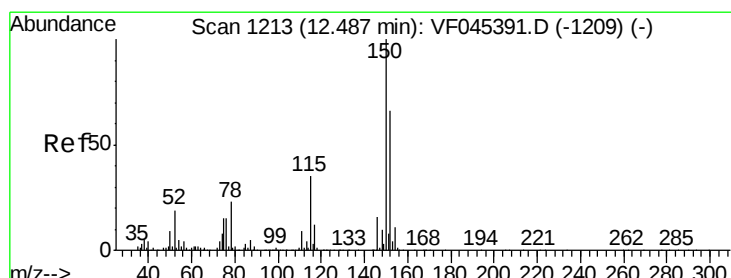
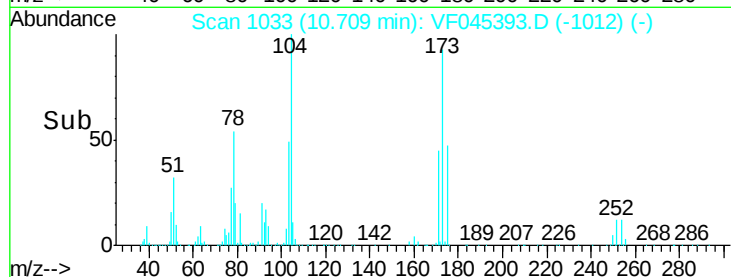
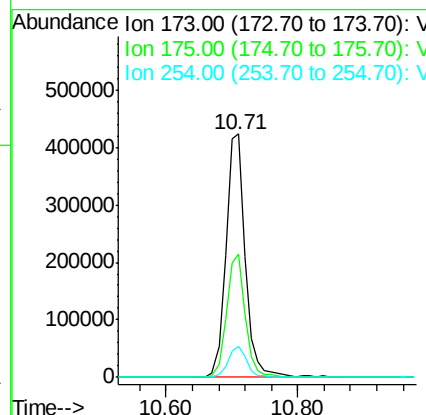
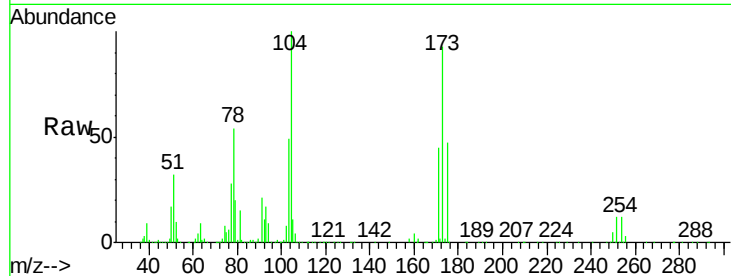
#70
Bromoform
Concen: 107.07 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	25.7	77.0
254	12.8	9.8	14.6

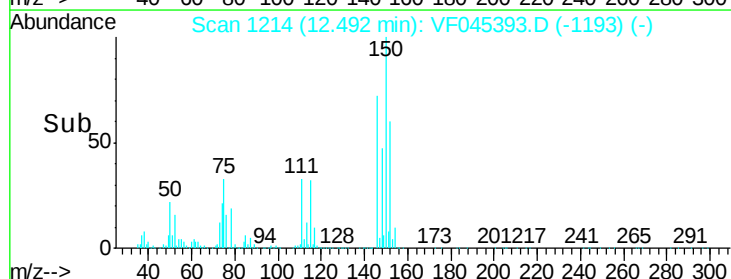
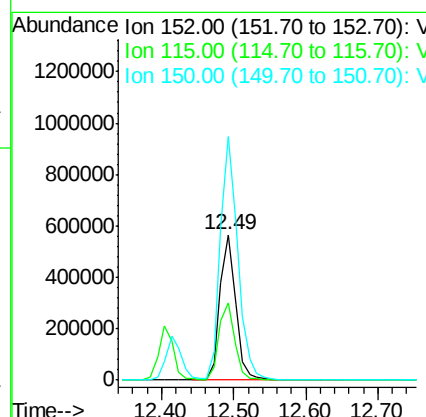
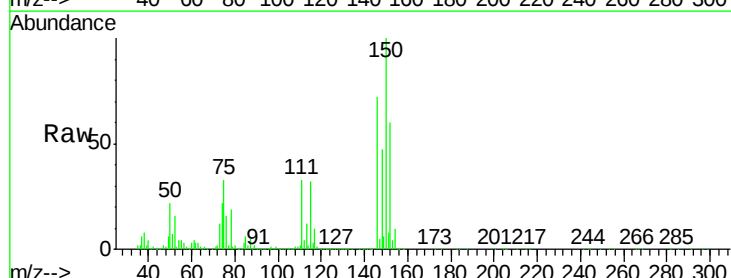
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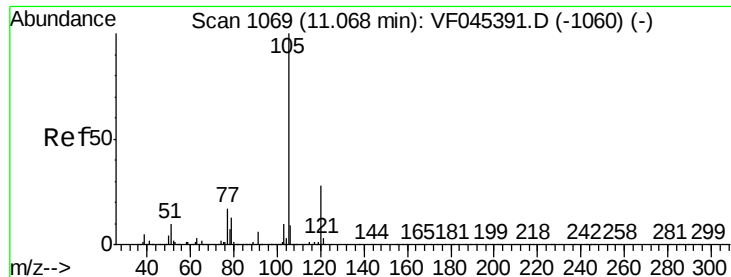
MMDadoda
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	28.3	85.0
150	167.7	0.0	324.2





#72

Isopropylbenzene

Concen: 89.13 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 5108756

Ion Ratio Lower Upper

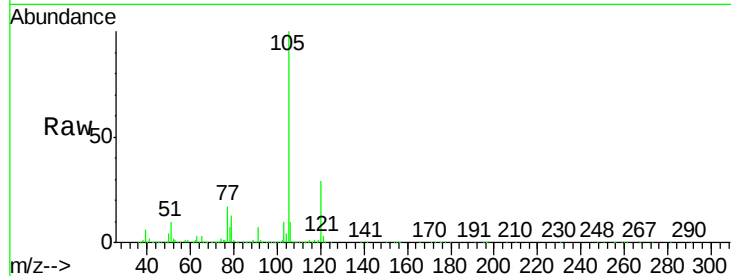
105 100

120 29.0 13.0 39.0

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

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

1000000

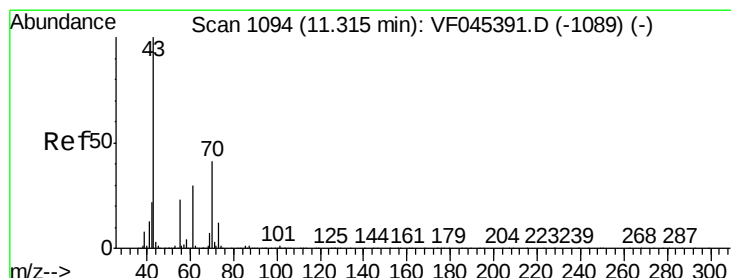
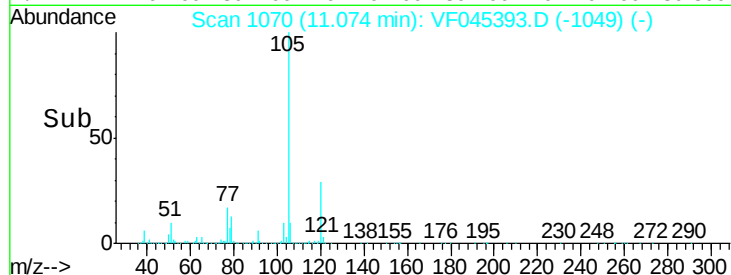
500000

0

11.07

11.00 11.20

Time-->



#73

N-ethyl acetate

Concen: 94.68 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Tgt Ion: 43 Resp: 1534266

Ion Ratio Lower Upper

43 100

70 42.8 30.0 45.0

55 24.0 16.8 25.2

61 30.0 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

1500000

1000000

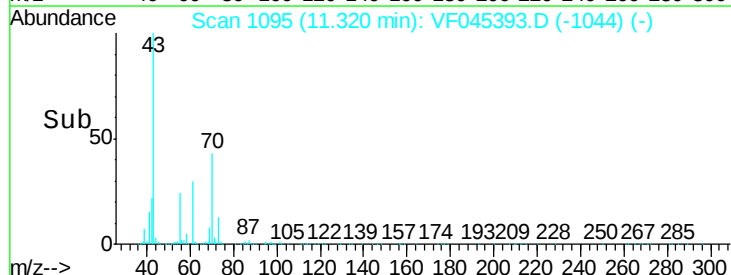
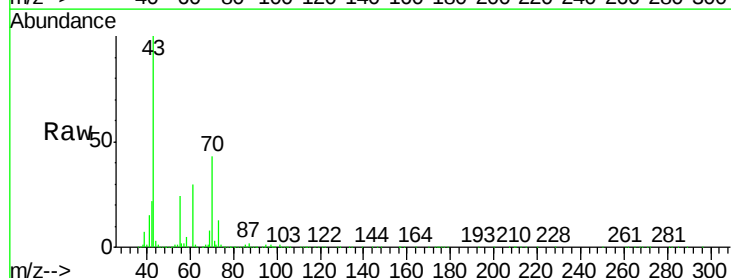
500000

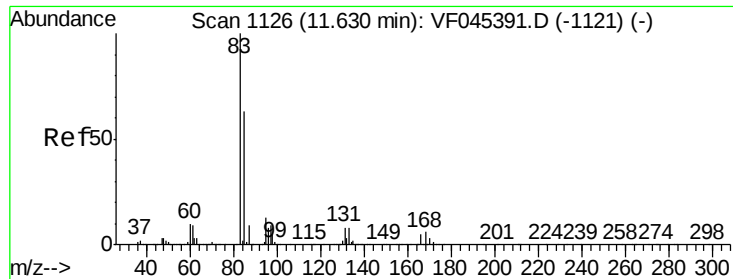
0

11.32

11.20 11.40 11.50

Time-->





#74

1,1,2,2-Tetrachloroethane

Concen: 89.95 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1172923

Ion Ratio Lower Upper

83 100

131 9.6 4.2 12.6

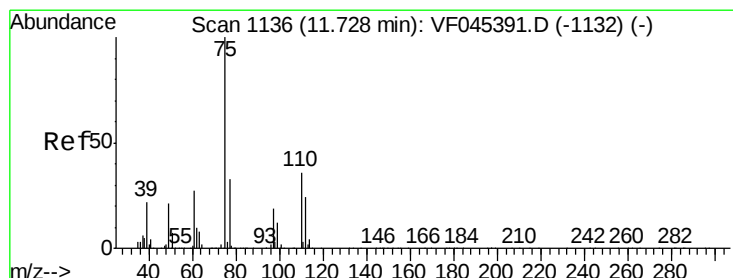
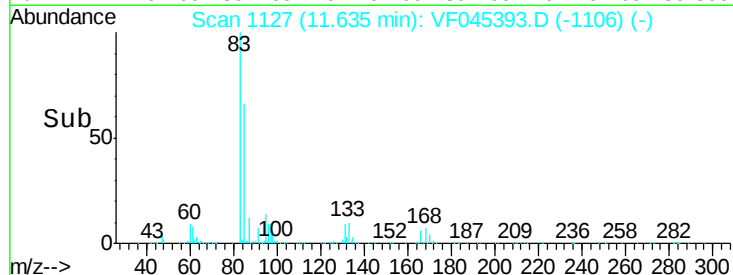
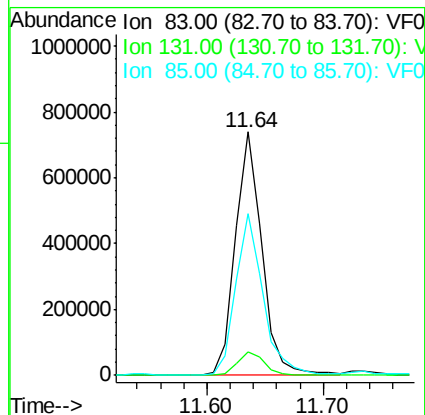
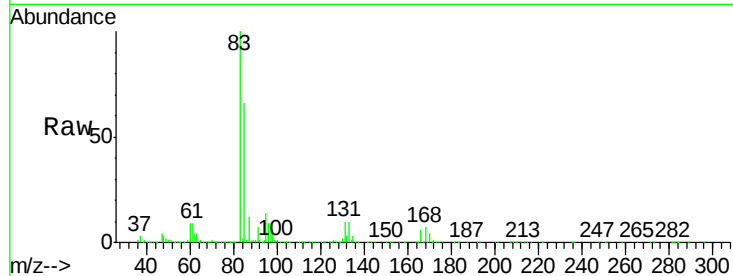
85 66.3 32.5 97.5

Manual Integrations

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#75

1,2,3-Trichloropropane

Concen: 92.26 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF045393.D

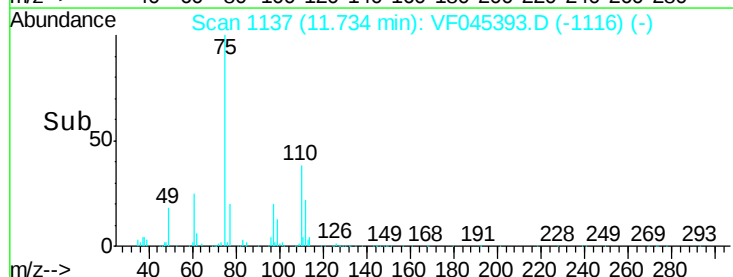
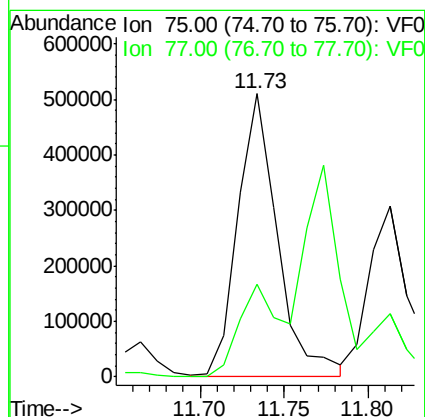
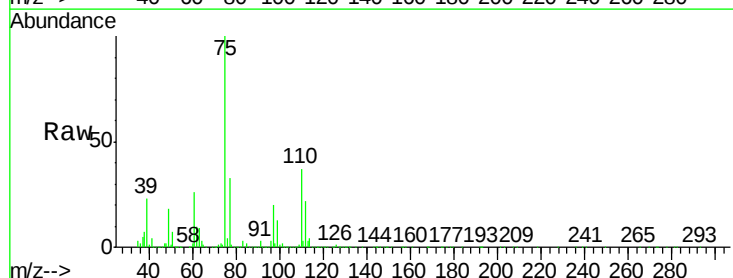
Acq: 16 Sep 2015 15:37

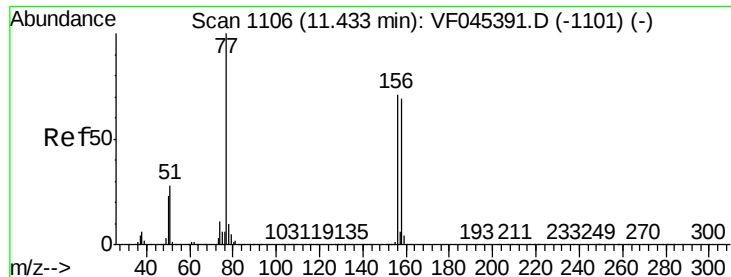
Tgt Ion: 75 Resp: 830461

Ion Ratio Lower Upper

75 100

77 32.9 15.0 45.1





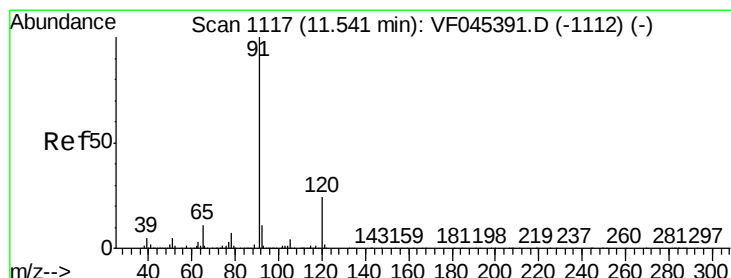
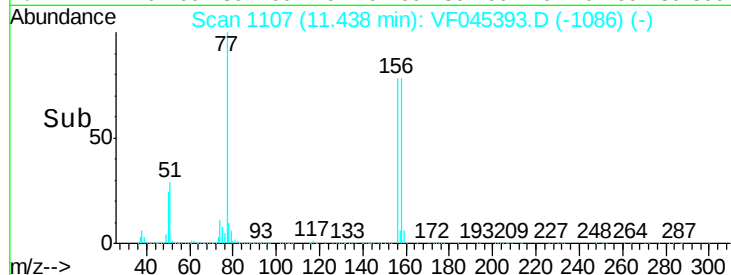
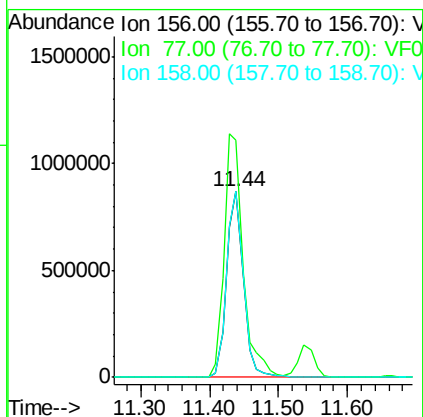
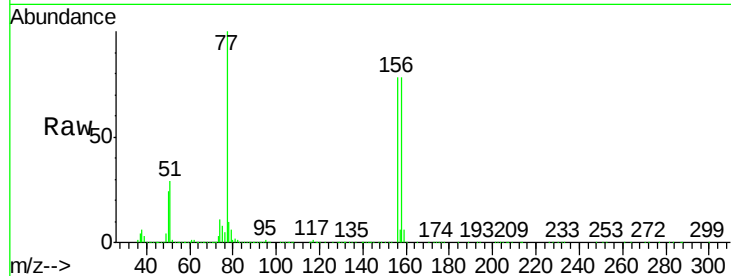
#76
Bromobenzene
Concen: 91.73 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 156 Resp: 1481270
Ion Ratio Lower Upper
156 100
77 127.8 74.8 224.3
158 100.3 49.5 148.7

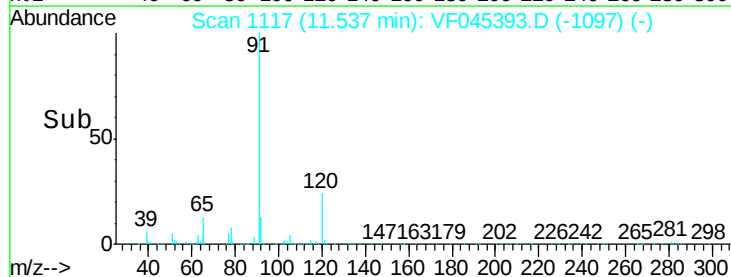
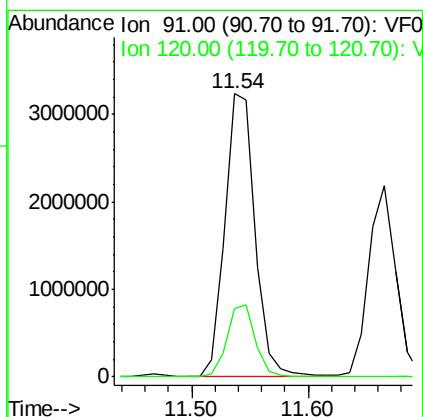
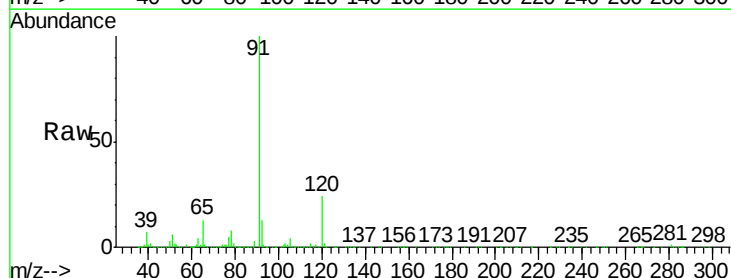
Manual Integrations
APPROVED

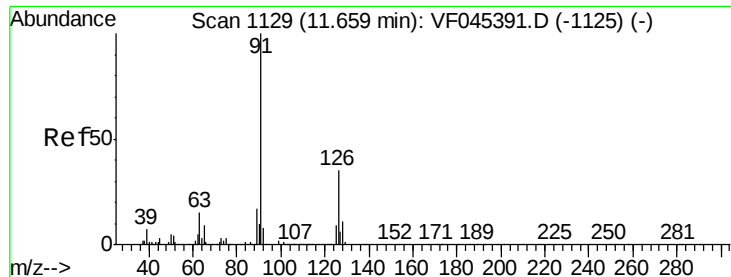
MMDadoda
9/17/2015 12:51:00 PM



#77
n-propylbenzene
Concen: 80.24 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion: 91 Resp: 5799754
Ion Ratio Lower Upper
91 100
120 23.9 11.6 34.7





#78

2-Chlorotoluene

Concen: 87.52 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045393.D

Acq: 16 Sep 2015 15:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3528454

Ion Ratio Lower Upper

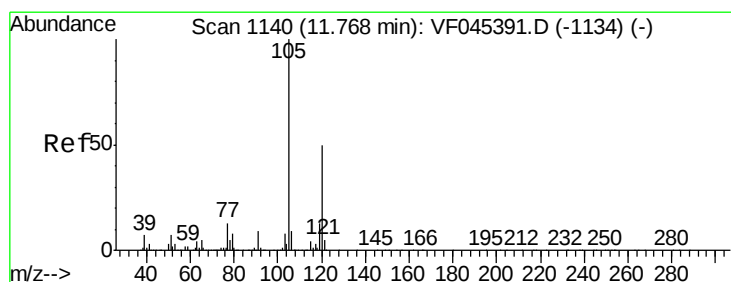
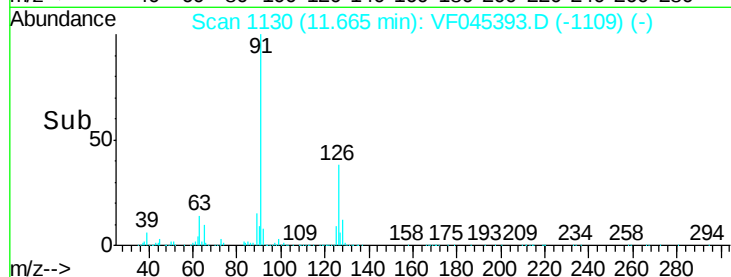
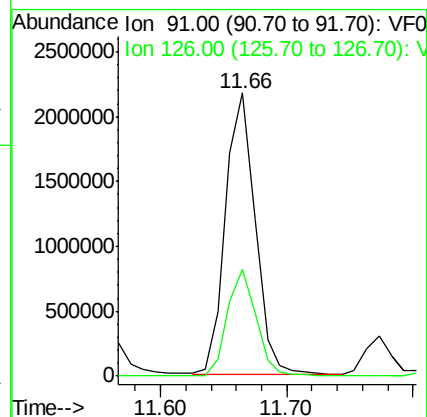
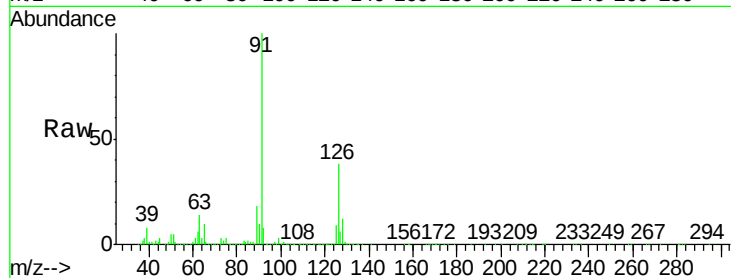
91 100

126 37.6 16.9 50.7

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#79

1,3,5-Trimethylbenzene

Concen: 81.56 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045393.D

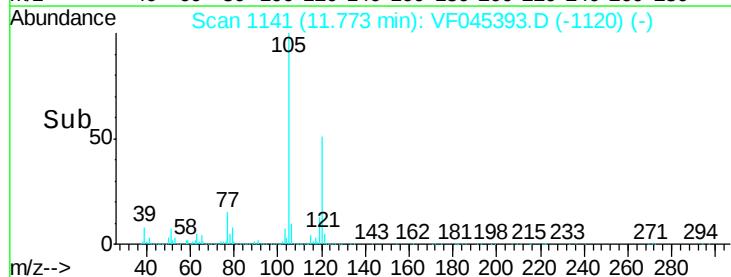
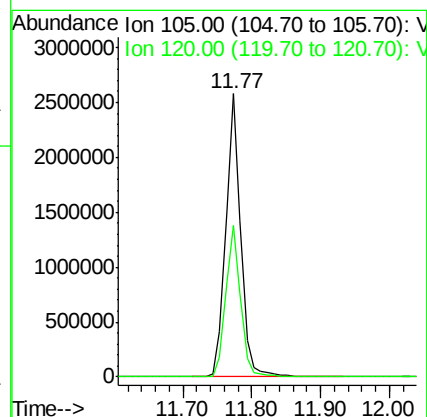
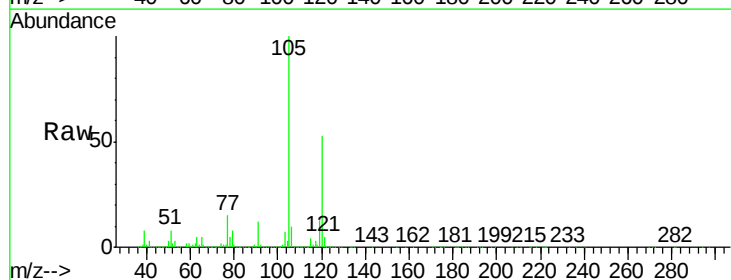
Acq: 16 Sep 2015 15:37

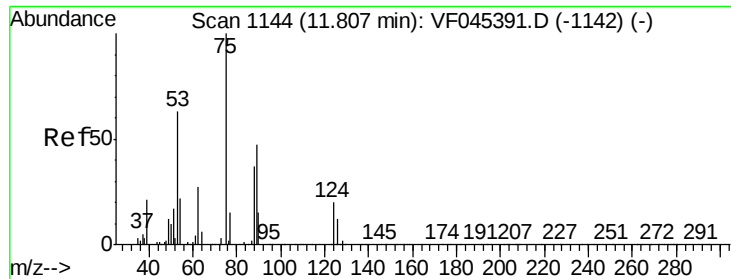
Tgt Ion: 105 Resp: 3861402

Ion Ratio Lower Upper

105 100

120 53.4 25.2 75.6





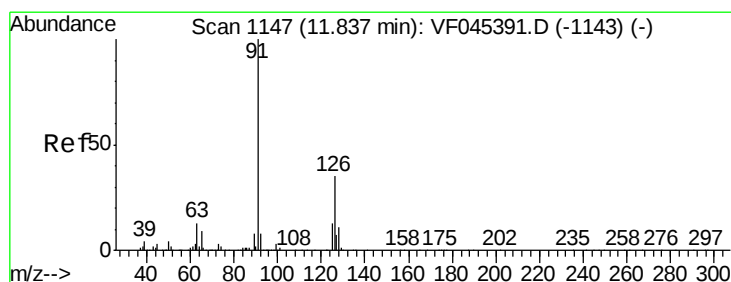
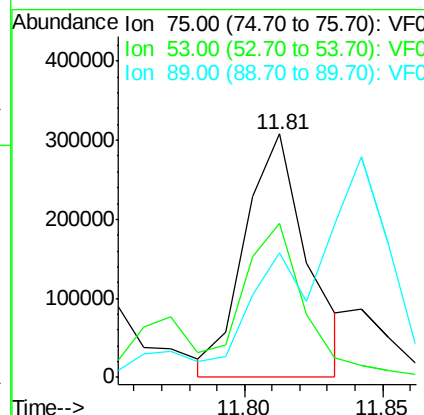
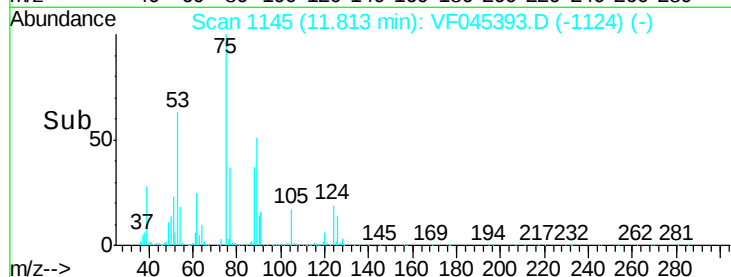
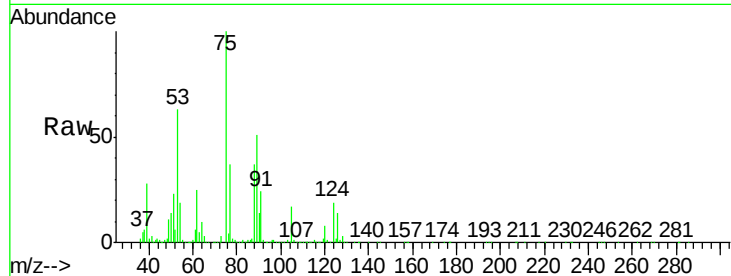
#80
trans-1,4-Dichloro-2-butene
Concen: 101.30 ug/l m
RT: 11.81 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	63.2	51.0	76.6
89	51.4	38.6	57.8

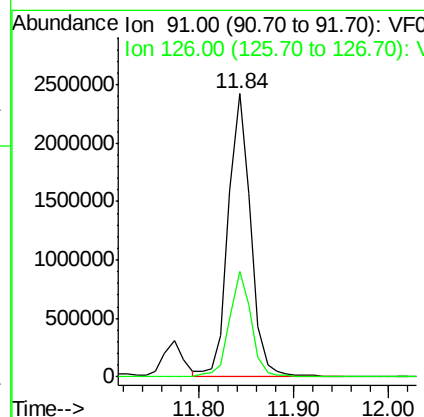
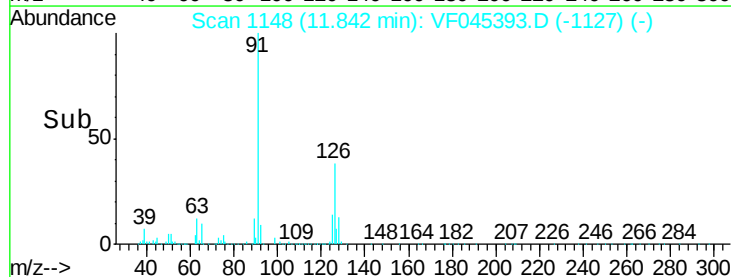
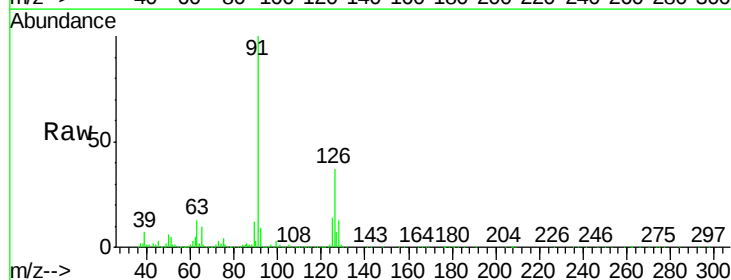
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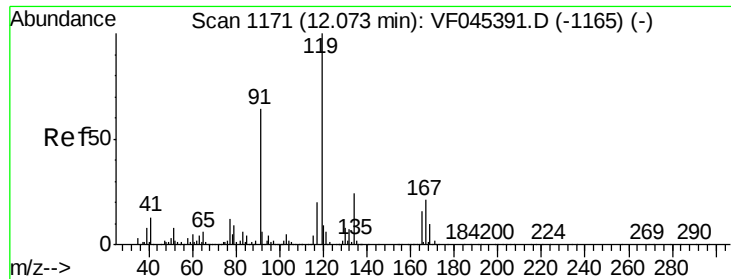
MMDadoda
9/17/2015 12:51:00 PM



#81
4-Chlorotoluene
Concen: 89.56 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	15.8	47.4





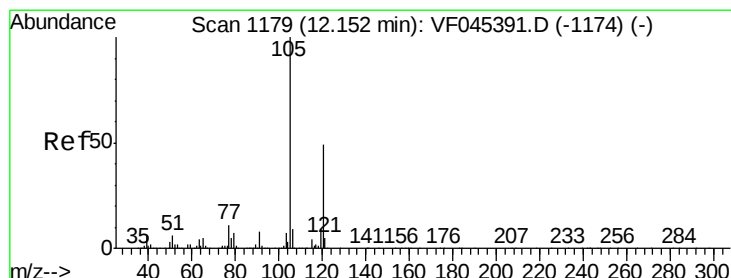
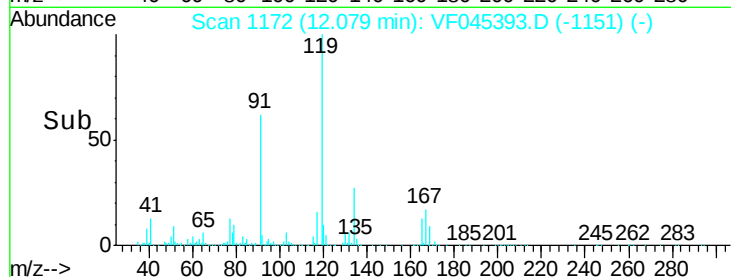
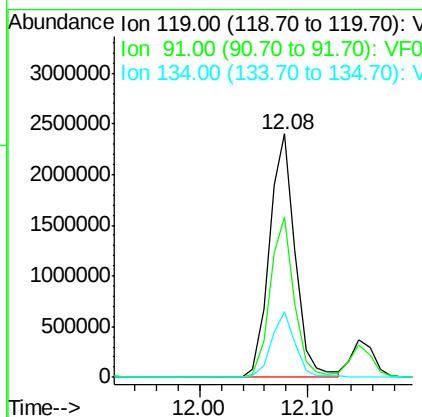
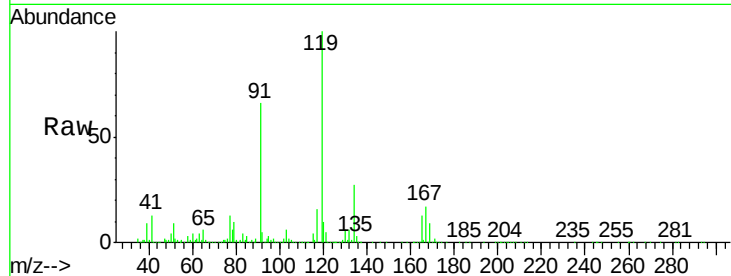
#82
 tert-Butylbenzene
 Concen: 86.65 ug/l
 RT: 12.08 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 4010729
 Ion Ratio Lower Upper
 119 100
 91 65.9 31.1 93.2
 134 27.1 12.2 36.6

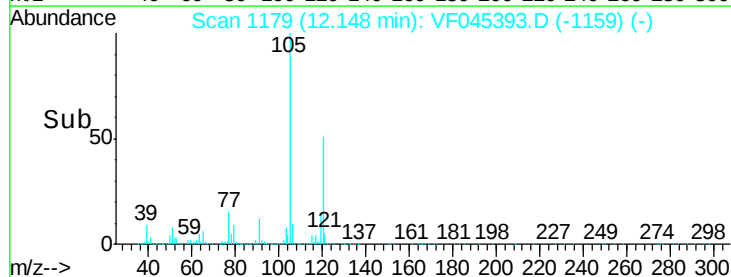
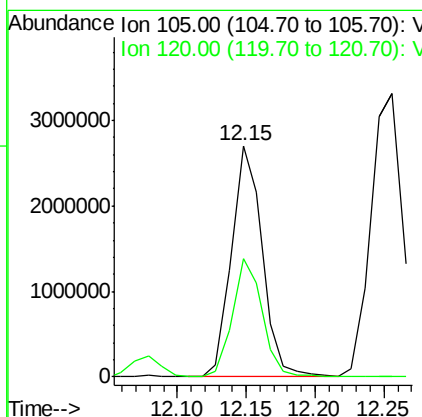
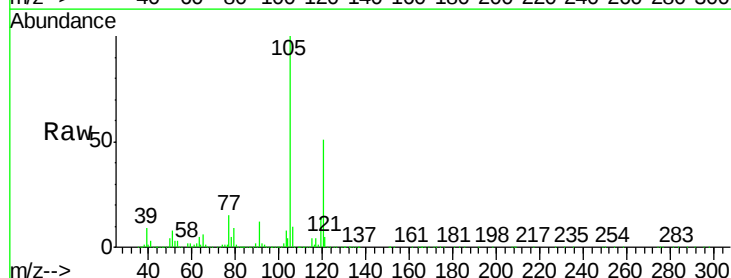
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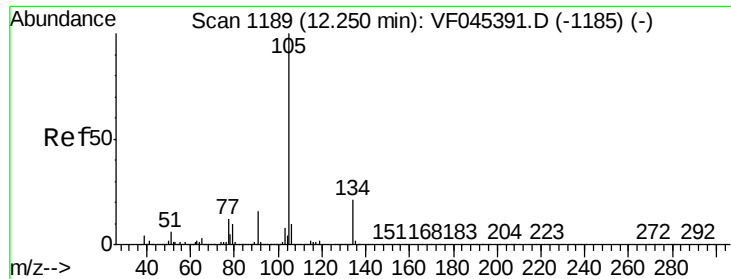
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#83
 1,2,4-Trimethylbenzene
 Concen: 87.71 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion:105 Resp: 4218473
 Ion Ratio Lower Upper
 105 100
 120 51.1 22.9 68.7





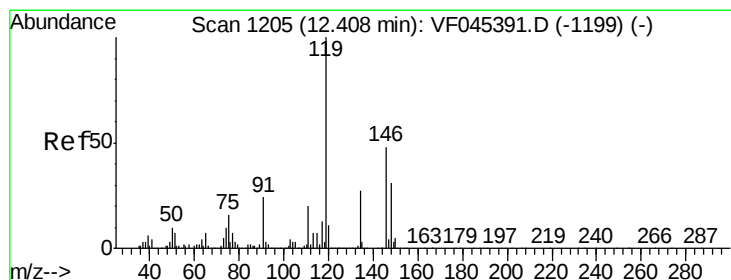
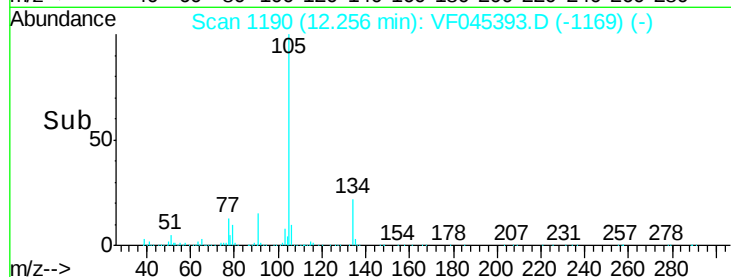
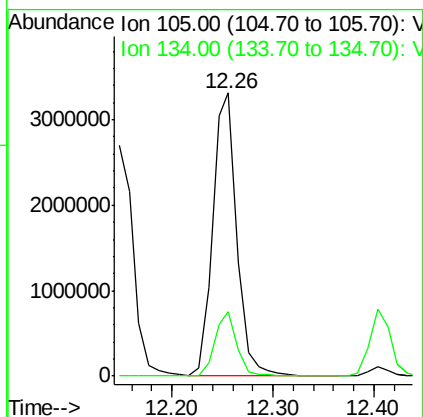
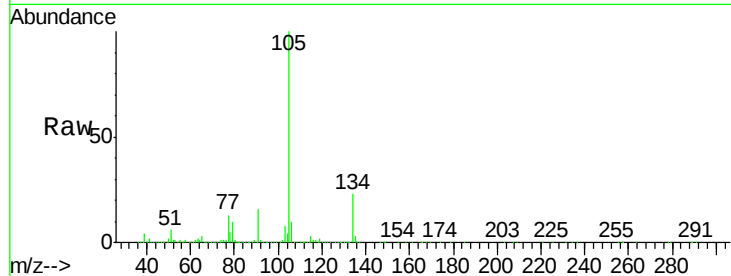
#84
 sec-Butylbenzene
 Concen: 85.59 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 5501926
 Ion Ratio Lower Upper
 105 100
 134 22.9 10.5 31.6

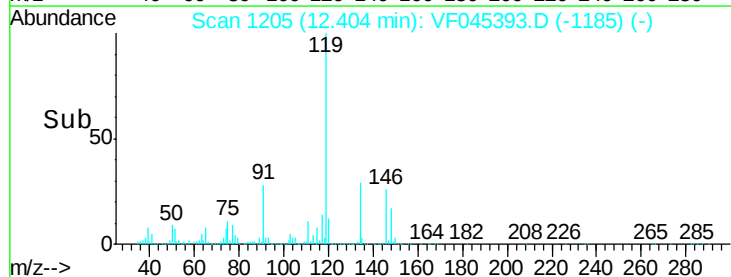
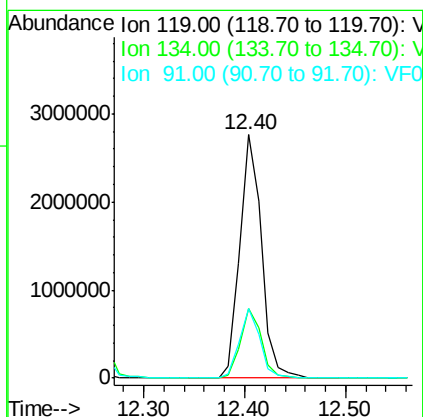
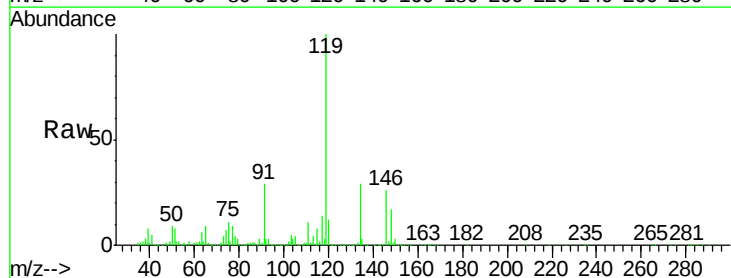
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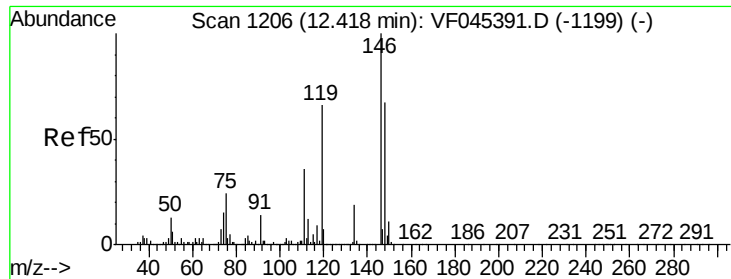
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#85
 p-Isopropyltoluene
 Concen: 82.13 ug/l
 RT: 12.40 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion:119 Resp: 4110255
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.0 38.9
 91 28.5 12.2 36.6





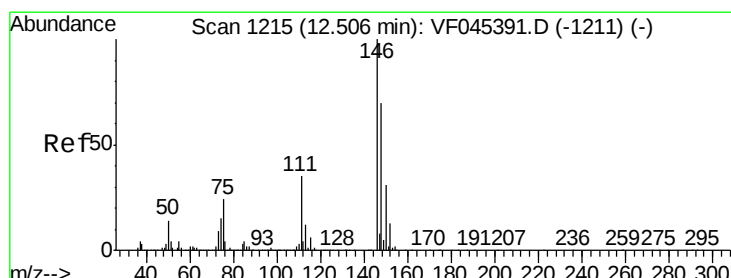
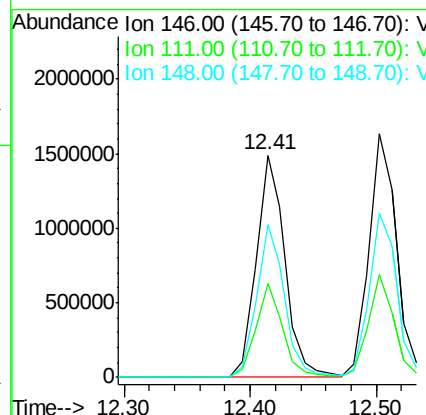
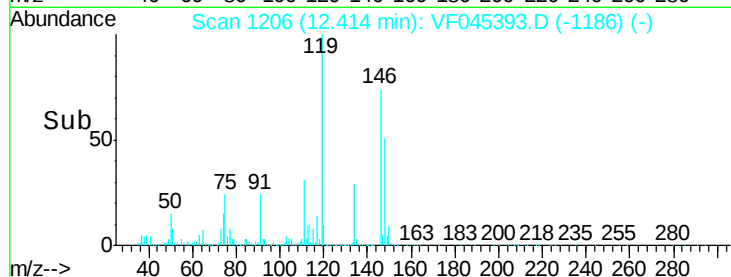
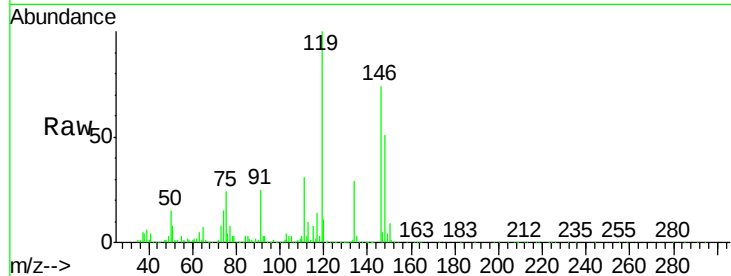
#86
 1,3-Dichlorobenzene
 Concen: 85.64 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.9	59.7
148	68.6	32.5	97.4

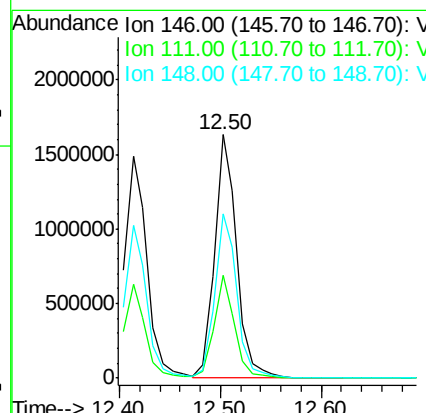
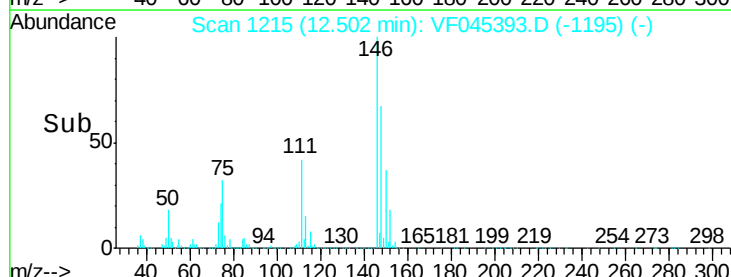
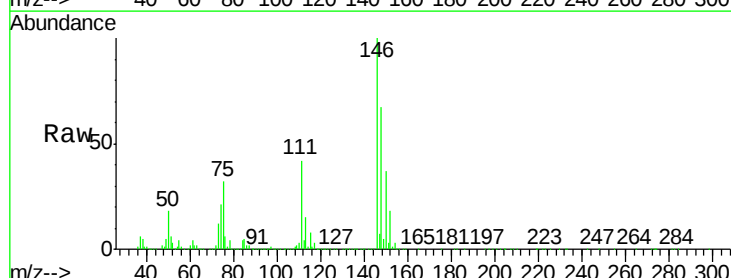
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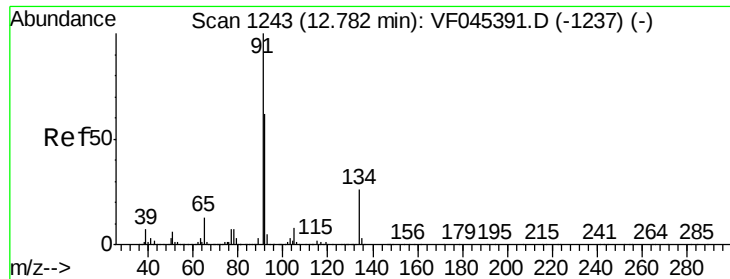
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#87
 1,4-Dichlorobenzene
 Concen: 90.88 ug/l
 RT: 12.50 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	17.3	52.0
148	67.4	32.4	97.0





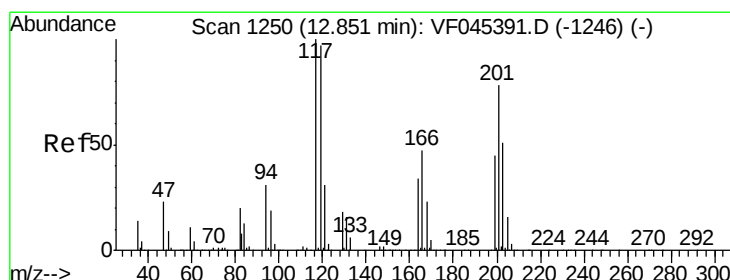
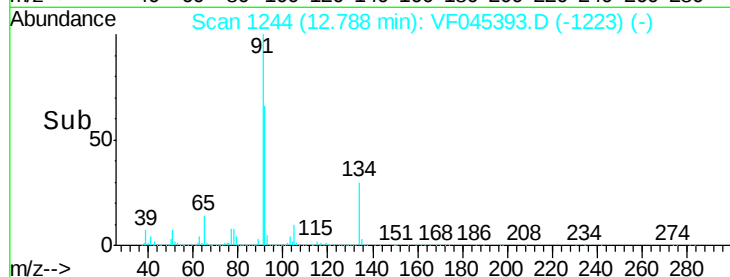
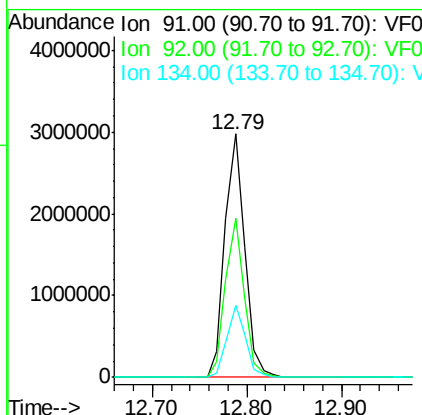
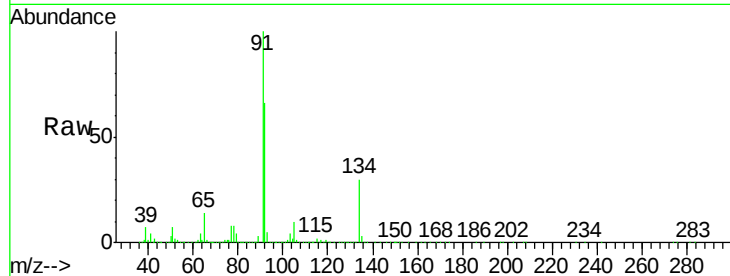
#88
n-Butylbenzene
Concen: 85.64 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.5	30.1	90.5
134	29.7	13.8	41.4

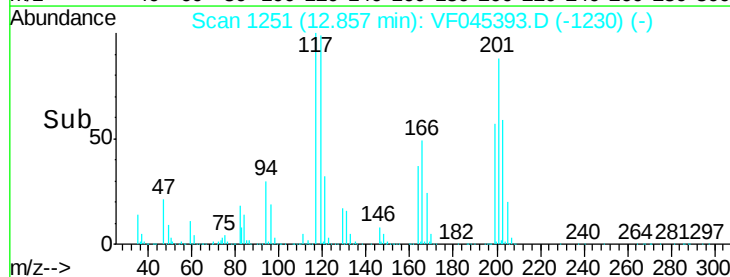
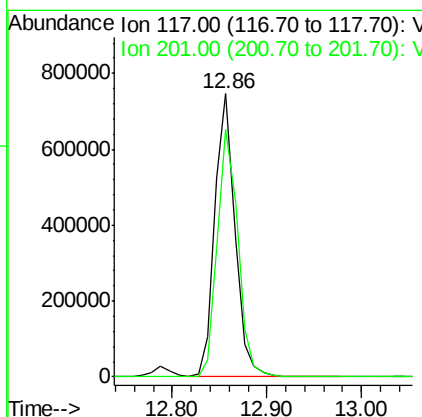
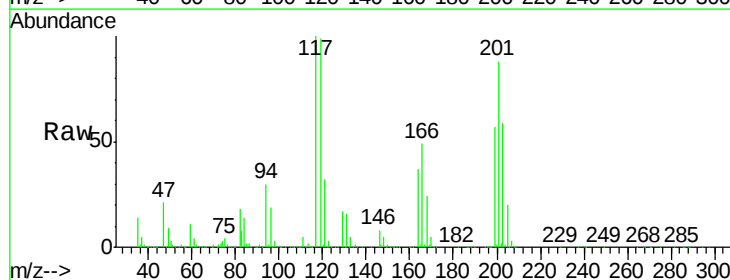
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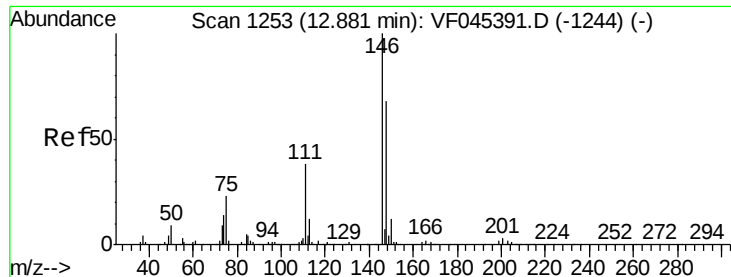
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#89
Hexachloroethane
Concen: 94.15 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	42.0	126.1





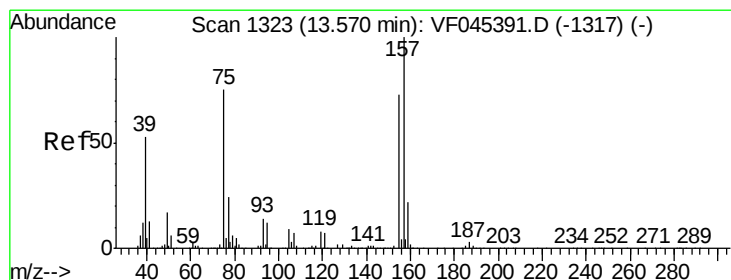
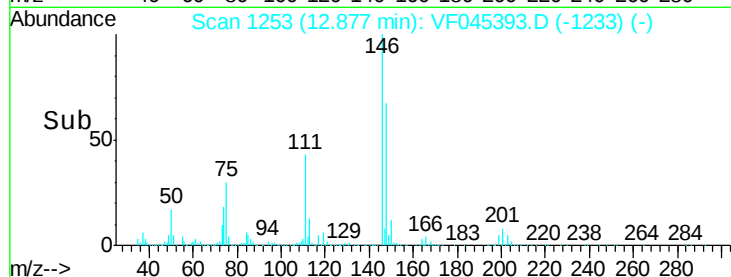
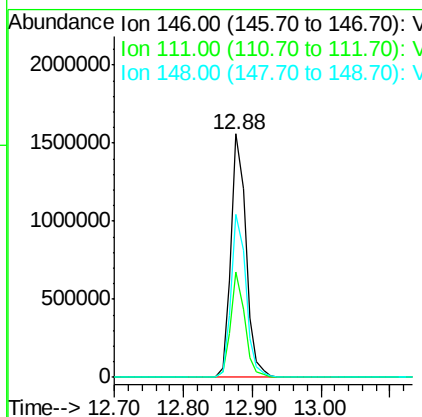
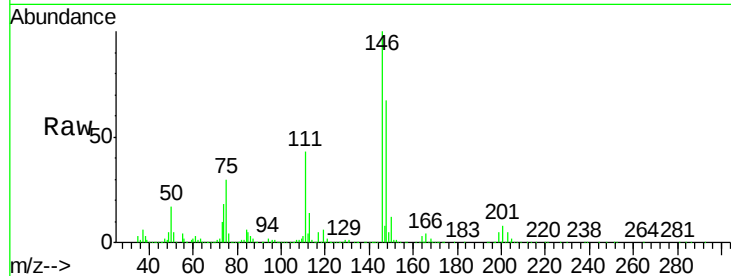
#90
 1,2-Dichlorobenzene
 Concen: 94.25 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.3
148	66.9	31.4	94.3

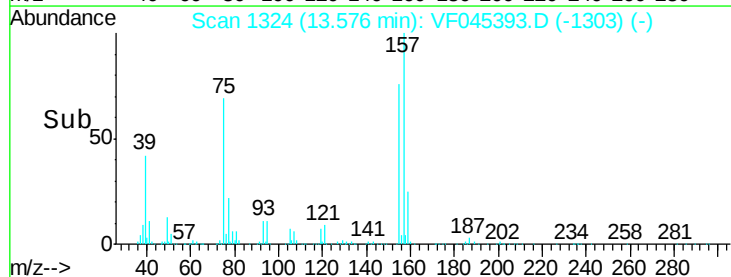
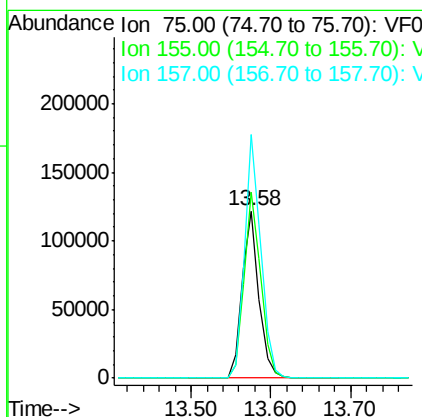
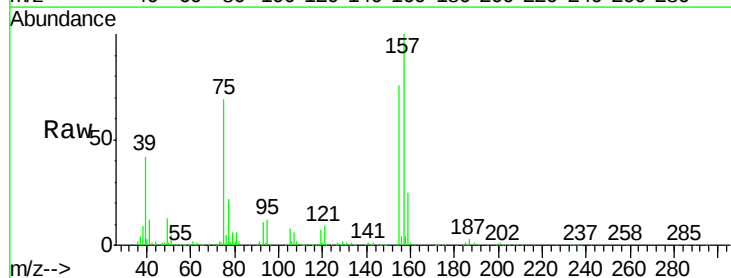
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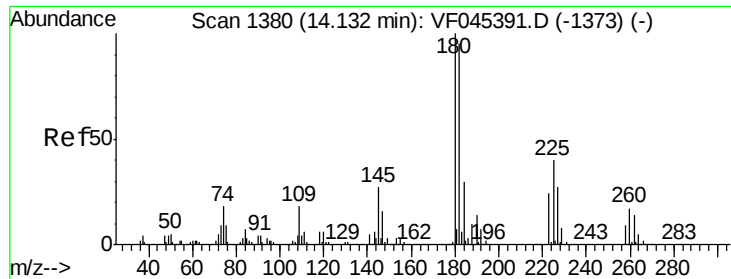
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 9/17/2015 12:51:00 PM



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 104.95 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.4	49.2	147.6
157	145.8	66.8	200.4





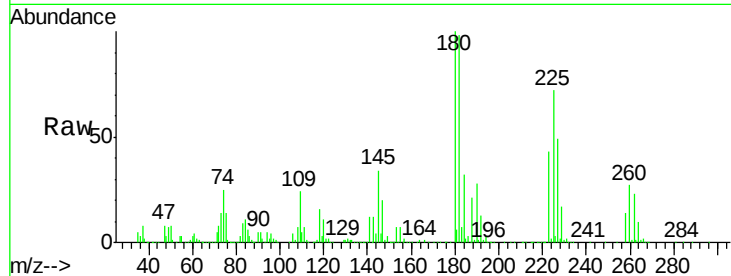
#92
 1,2,4-Trichlorobenzene
 Concen: 102.72 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

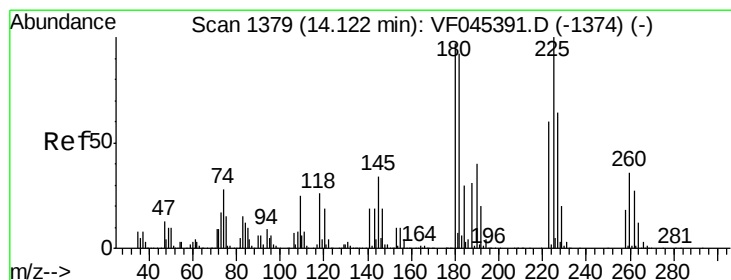
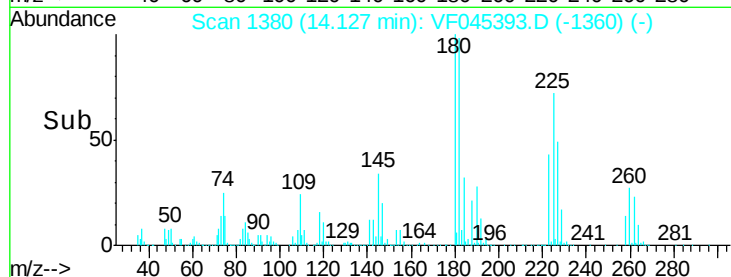
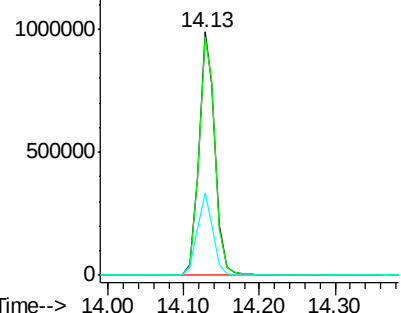
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	49.4	148.0
145	34.0	16.7	50.1

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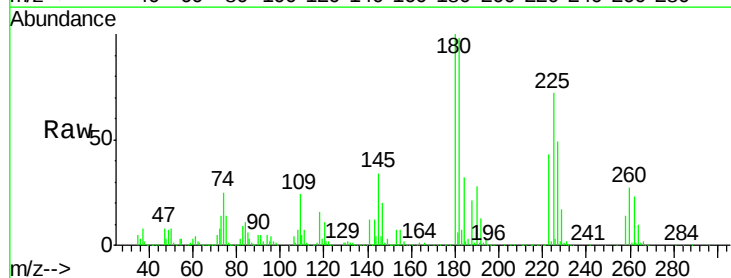


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

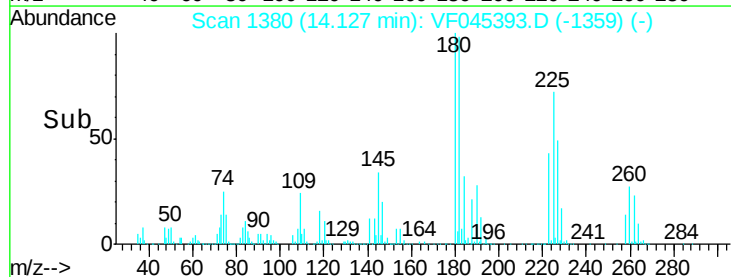
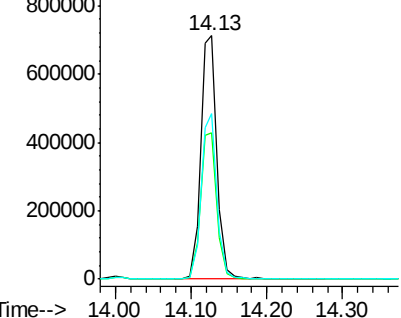


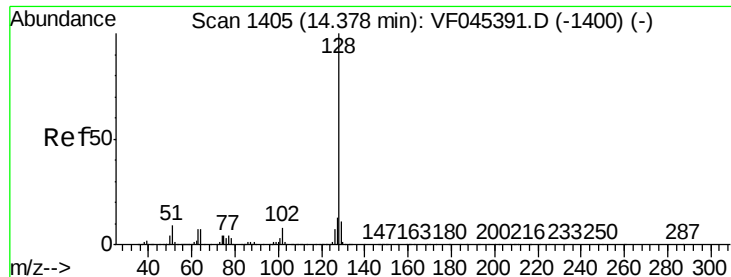
#93
 Hexachlorobutadiene
 Concen: 98.51 ug/l
 RT: 14.13 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VF045393.D
 Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.9	95.5
227	68.1	32.9	98.7



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





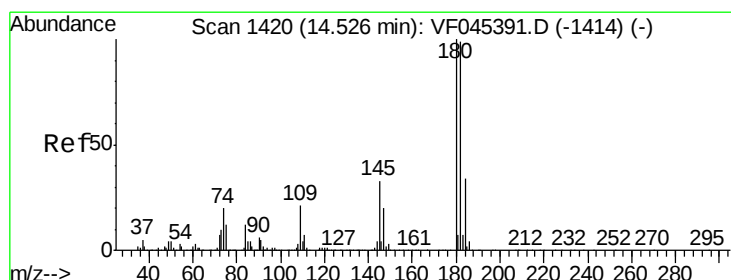
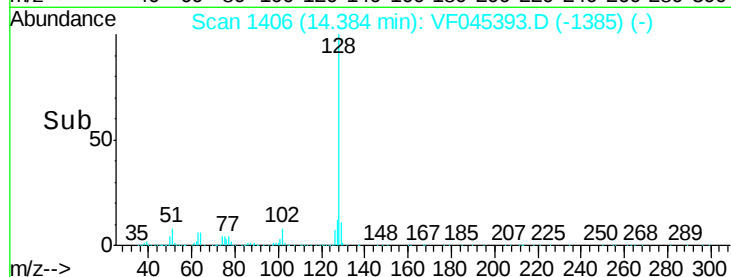
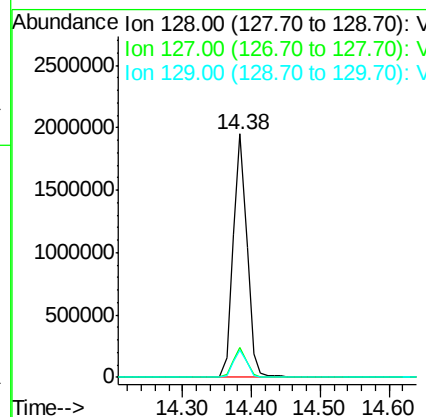
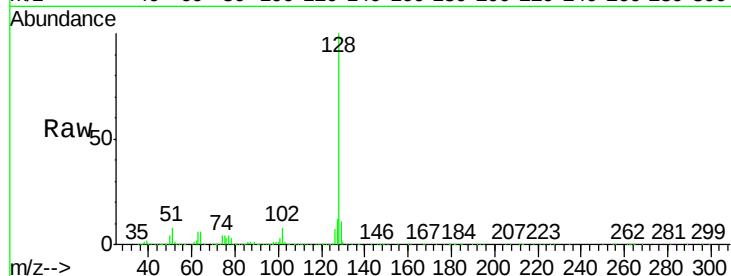
#94
Naphthalene
Concen: 110.47 ug/l
RT: 14.38 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2015 12:51:00 PM



#95
1,2,3-Trichlorobenzene
Concen: 108.26 ug/l
RT: 14.53 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF045393.D
Acq: 16 Sep 2015 15:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	47.6	142.8
145	28.9	14.5	43.6

