

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057089.D
 Acq On : 21 Sep 2015 12:29
 Operator : SY/FY
 Sample : VH0921MBS01
 Misc : 5.00g/10mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Manual Integrations
 APPROVED

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 9/22/2015 2:54:32 PM

Quant Time: Sep 22 04:56:26 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	716049	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.55	114	1282333	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.70	117	1036969	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	308278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.79	65	564410	44.14	ug/l	-0.02
Spiked Amount	50.000	Range	66 - 150	Recovery	=	88.28%
35) Dibromofluoromethane	4.06	113	481671	47.18	ug/l	-0.02
Spiked Amount	50.000	Range	76 - 130	Recovery	=	94.36%
48) Toluene-d8	7.50	98	1343889	45.78	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	91.56%
62) 4-Bromofluorobenzene	11.35	95	475585	48.04	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	96.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	191372	21.51	ug/l	100
3) Chloromethane	1.03	50	223626	19.63	ug/l	98
4) Vinyl Chloride	1.08	62	185363	19.68	ug/l	99
5) Bromomethane	1.27	94	101000	21.40	ug/l	93
6) Chloroethane	1.34	64	92819	21.86	ug/l	94
7) Trichlorofluoromethane	1.40	101	161180m	18.30	ug/l	
8) Tert butyl alcohol	2.53	59	233390	101.66	ug/l	99
9) Diethyl Ether	1.61	74	98726	22.67	ug/l	63
10) Diisopropyl ether	2.77	45	622507	19.50	ug/l	# 95
11) 1,1-Dichloroethene	1.72	96	150109	22.72	ug/l	91
12) Methyl Iodide	1.85	142	279827m	24.04	ug/l	
13) Acrolein	1.97	56	150618	109.71	ug/l	94
14) 1,1,2-Trichlorotrifluoroet	1.80	101	146304	22.74	ug/l	90
15) Acrylonitrile	2.89	53	416963	99.58	ug/l	99
16) Allyl Chloride	2.06	41	284370	20.88	ug/l	97
17) Acetone	2.20	43	543988	84.58	ug/l	95
18) Carbon Disulfide	1.77	76	452671	23.24	ug/l	100
19) Methyl Acetate	2.30	43	604884	18.18	ug/l	99
20) Methyl tert-butyl Ether	2.40	73	580592	21.95	ug/l	97
21) Methylene Chloride	2.15	84	164723	22.79	ug/l	# 81
22) trans-1,2-Dichloroethene	2.27	96	165817	22.84	ug/l	98
23) Vinyl Acetate	3.15	43	1559717	103.24	ug/l	99
24) 1,1-Dichloroethane	2.83	63	318328	20.25	ug/l	100
25) 2-Butanone	4.29	43	1226687	103.27	ug/l	97
26) 2,2-Dichloropropane	3.56	77	219598	22.25	ug/l	99
27) cis-1,2-Dichloroethene	3.43	96	226836	22.37	ug/l	92
28) Bromochloromethane	3.67	128	52690	15.55	ug/l	81
29) Chloroform	3.81	83	391097	21.05	ug/l	100
30) Cyclohexane	3.65	56	258426	20.52	ug/l	93
31) Tetrahydrofuran	4.03	42	668124	100.21	ug/l	92
32) 1,1,1-Trichloroethane	4.04	97	290779	21.74	ug/l	96
36) 1,1-Dichloropropene	4.23	75	301509	21.40	ug/l	98
37) Ethyl acetate	4.06	43	538168	20.35	ug/l	# 55
38) Carbon Tetrachloride	3.95	117	250765m	22.86	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	704402	21.00	ug/l	95
40) Methacrylonitrile	4.70	41	250441	21.39	ug/l	96
41) 1,2-Dichloroethane	4.89	62	298860	20.18	ug/l #	95
42) Isopropyl Acetate	5.43	43	714571	20.69	ug/l	98
43) Trichloroethene	5.46	130	191652	22.48	ug/l	98
44) Methylcyclohexane	5.41	83	179465	22.10	ug/l	97
45) 1,2-Dichloropropane	6.18	63	231311	21.75	ug/l	100
46) Dibromomethane	6.03	93	142884	20.65	ug/l	94
47) Bromodichloromethane	6.33	83	310650	21.92	ug/l	100
49) 4-Methyl-2-Pentanone	8.19	43	2248939	107.50	ug/l	97
50) Toluene	7.57	92	472624	22.00	ug/l	96
51) t-1,3-Dichloropropene	8.22	75	356712	21.96	ug/l	98
52) Methyl Methacrylate	6.67	69	226434	21.51	ug/l	98
53) 1,4-Dioxane	6.66	88	45411	367.81	ug/l #	88
54) cis-1,3-Dichloropropene	7.25	75	373019	21.62	ug/l	99
55) 1,1,2-Trichloroethane	8.43	97	206202	22.61	ug/l	97
56) Ethyl Methacrylate	8.56	69	372979	20.71	ug/l	94
57) 1,3-Dichloropropane	8.79	76	392249	21.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.24	63	1137763	127.76	ug/l	93
59) 2-Hexanone	9.43	43	1609935	98.49	ug/l	99
60) Dibromochloromethane	8.65	129	236062	22.83	ug/l	93
61) 1,2-Dibromoethane	8.91	107	220074	20.97	ug/l	98
64) Tetrachloroethene	8.10	164	133457	22.71	ug/l	98
65) Chlorobenzene	9.73	112	487891	21.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.86	131	177907	22.85	ug/l	93
67) Ethyl Benzene	9.83	106	231765	21.46	ug/l	98
68) m/p-Xylenes	10.06	106	584850	44.52	ug/l	98
69) o-Xylene	10.64	106	285068	22.60	ug/l	94
70) Styrene	10.73	104	475156	21.57	ug/l	97
71) Bromoform	10.71	173	151787	22.78	ug/l	98
73) Isopropylbenzene	11.07	105	611424	21.72	ug/l	99
74) n-Amyl Acetate	11.32	43	594890	19.89	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.63	83	306901	20.79	ug/l	98
76) 1,2,3-Trichloropropane	11.73	75	236930	20.46	ug/l	97
77) Bromobenzene	11.43	156	181680	22.67	ug/l	96
78) n-propylbenzene	11.53	91	670317	22.27	ug/l	97
79) 2-Chlorotoluene	11.66	91	384482	21.17	ug/l	99
80) 1,3,5-Trimethylbenzene	11.76	105	421753	22.92	ug/l	97
81) trans-1,4-Dichloro-2-Buten	11.80	75	176041	20.86	ug/l	95
82) 4-Chlorotoluene	11.83	91	482033	21.98	ug/l	100
83) tert-Butylbenzene	12.06	119	402467	23.17	ug/l	97
84) 1,2,4-Trimethylbenzene	12.14	105	420561	22.15	ug/l	98
85) sec-Butylbenzene	12.24	105	432210	23.27	ug/l	98
86) p-Isopropyltoluene	12.39	119	335766	23.81	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	212774	22.25	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	225364	22.76	ug/l	98
89) n-Butylbenzene	12.77	91	265212	23.53	ug/l	95
90) Hexachloroethane	12.84	117	71510	23.95	ug/l	91
91) 1,2-Dichlorobenzene	12.87	146	190470	22.11	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.57	75	29484	17.81	ug/l	97

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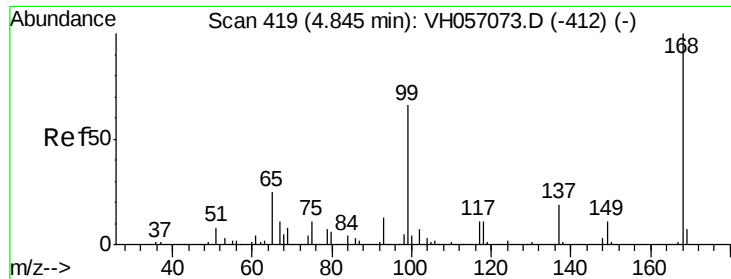
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	32036	19.10	ug/l	95
94) Hexachlorobutadiene	14.12	225	22061	24.75	ug/l	95
95) Naphthalene	14.38	128	121556	18.87	ug/l	94
96) 1,2,3-Trichlorobenzene	14.52	180	20108	19.28	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 417

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion:168 Resp: 716049

Ion Ratio Lower Upper

168 100

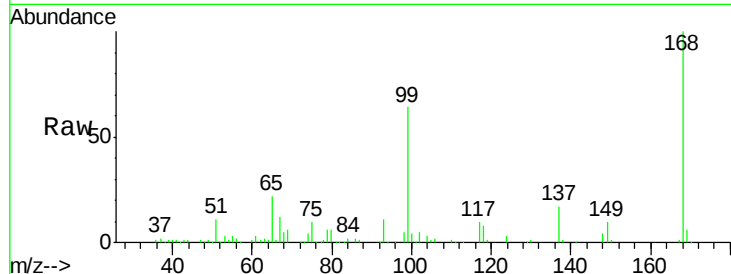
99 63.9 55.8 83.6

Manual Integrations

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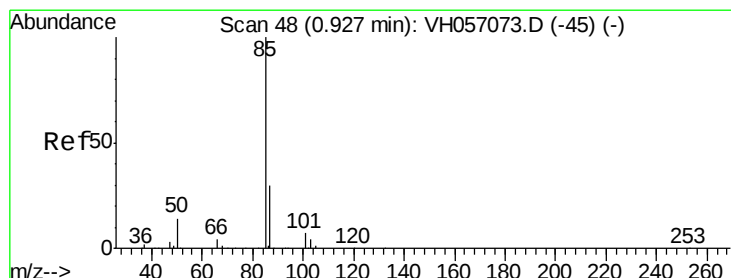
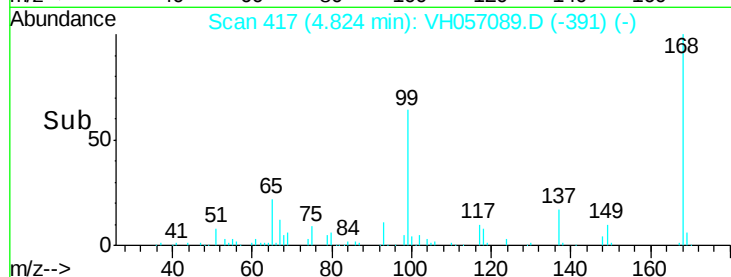
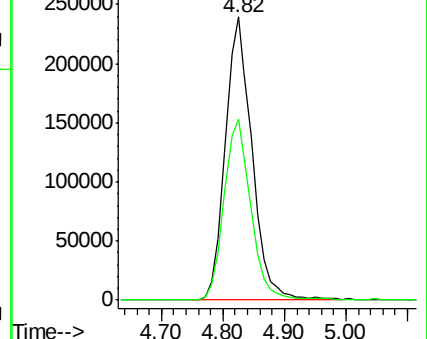
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0



#2

Dichlorodifluoromethane

Concen: 21.51 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057089.D

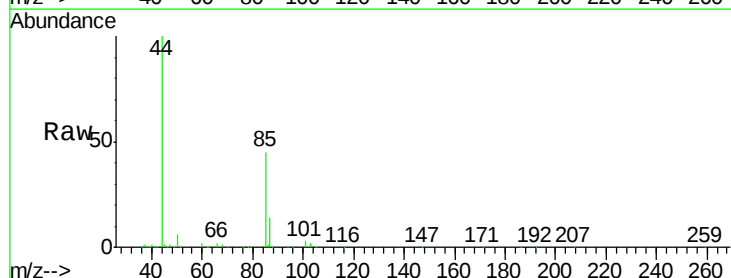
Acq: 21 Sep 2015 12:29

Tgt Ion: 85 Resp: 191372

Ion Ratio Lower Upper

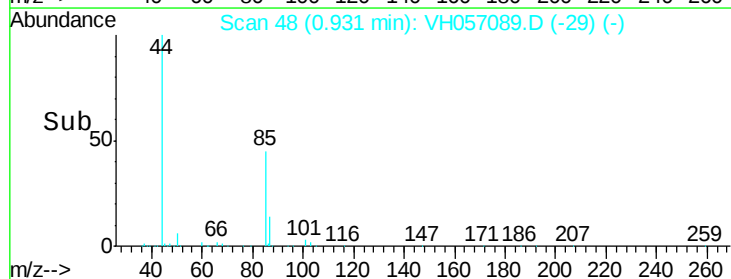
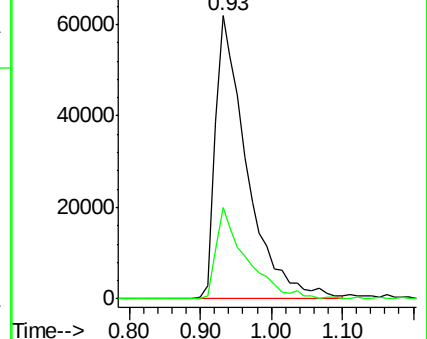
85 100

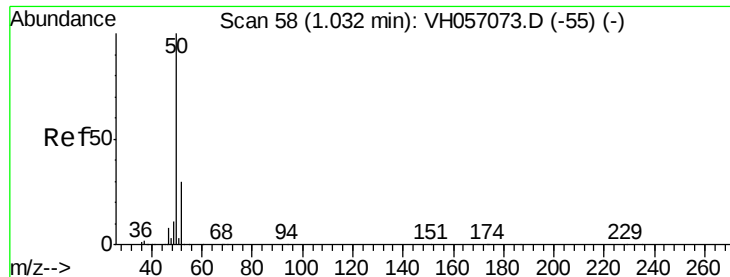
87 32.2 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0





#3

Chloromethane

Concen: 19.63 ug/l

RT: 1.03 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 50 Resp: 223626

Ion Ratio Lower Upper

50 100

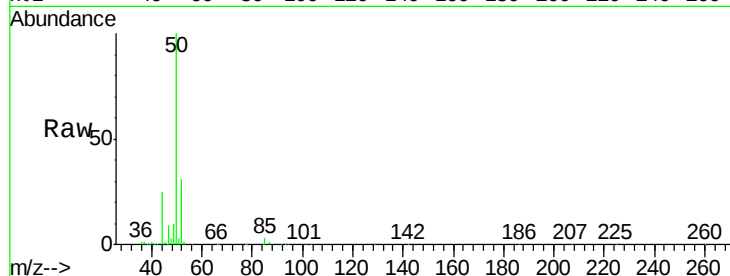
52 31.2 25.8 38.8

Manual Integrations

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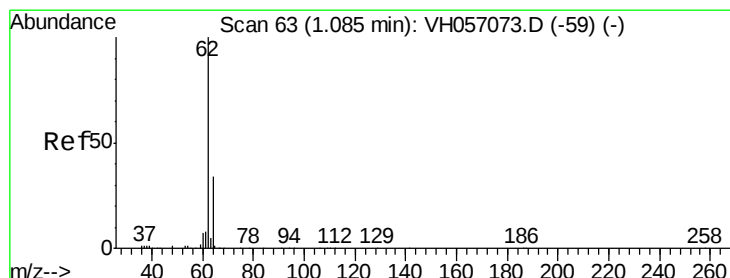
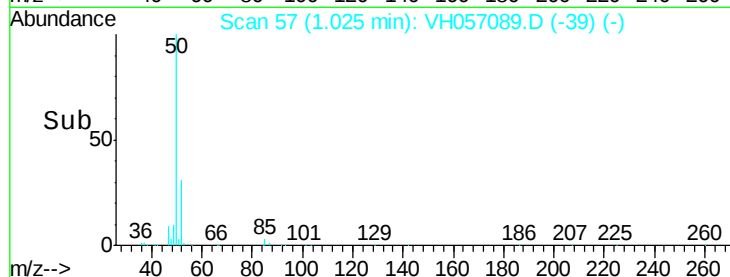
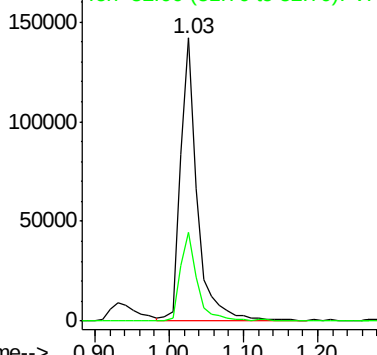
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Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0



#4

Vinyl Chloride

Concen: 19.68 ug/l

RT: 1.08 min Scan# 62

Delta R.T. -0.01 min

Lab File: VH057089.D

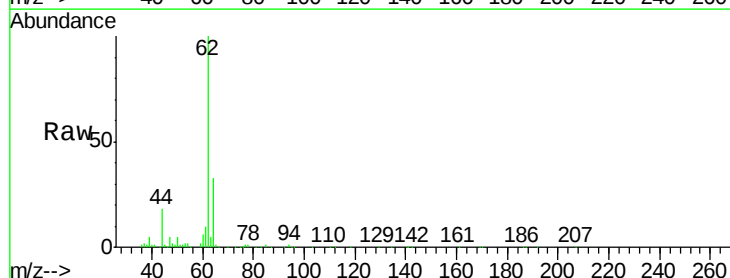
Acq: 21 Sep 2015 12:29

Tgt Ion: 62 Resp: 185363

Ion Ratio Lower Upper

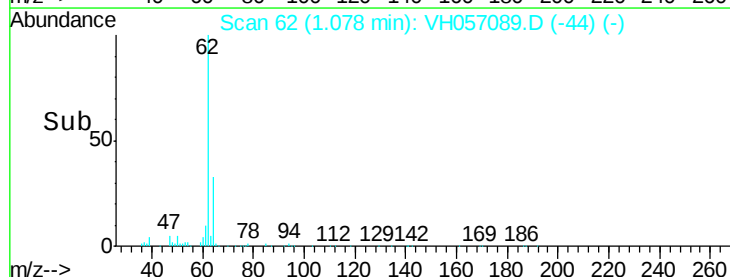
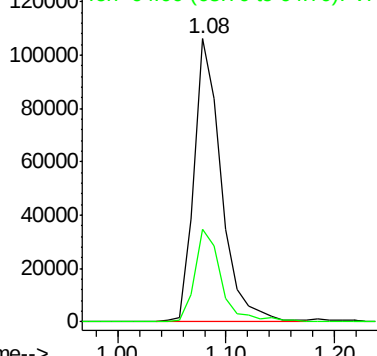
62 100

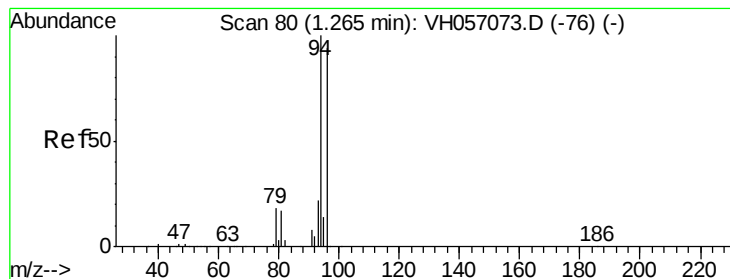
64 32.8 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 64.00 (63.70 to 64.70): VH0





#5

Bromomethane

Concen: 21.40 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 94 Resp: 101000

Ion Ratio Lower Upper

94 100

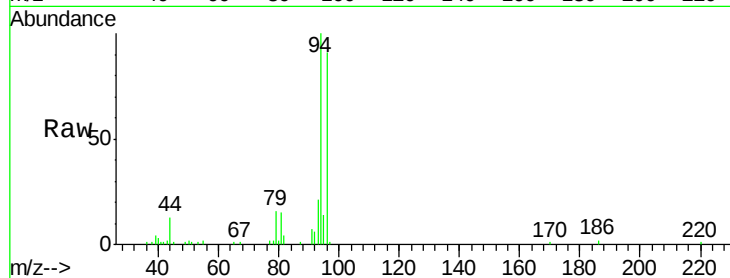
96 90.7 78.5 117.7

Manual Integrations

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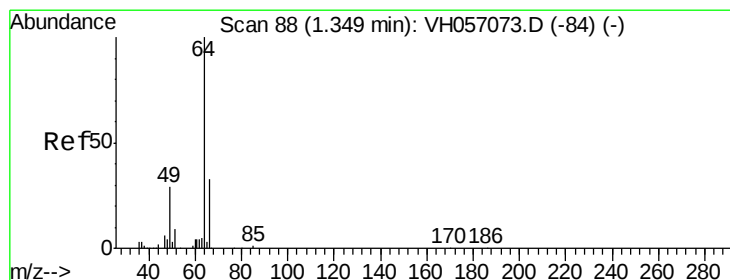
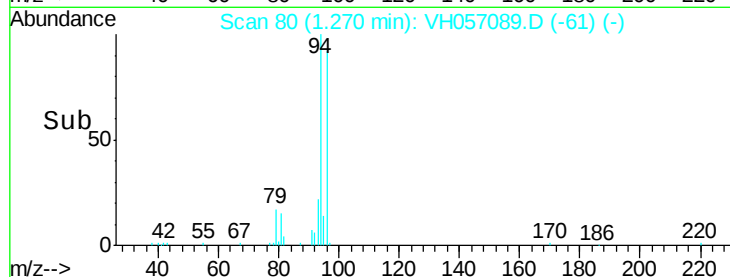
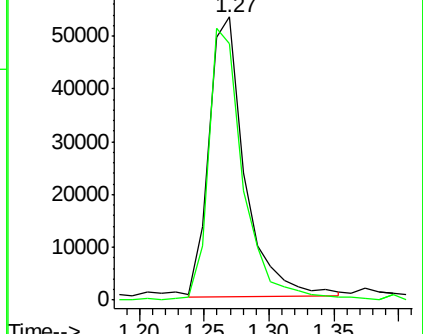
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Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 21.86 ug/l

RT: 1.34 min Scan# 87

Delta R.T. -0.00 min

Lab File: VH057089.D

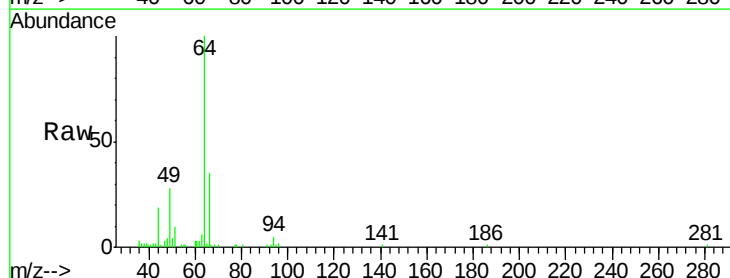
Acq: 21 Sep 2015 12:29

Tgt Ion: 64 Resp: 92819

Ion Ratio Lower Upper

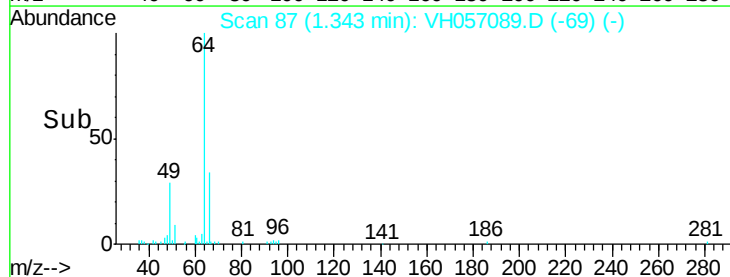
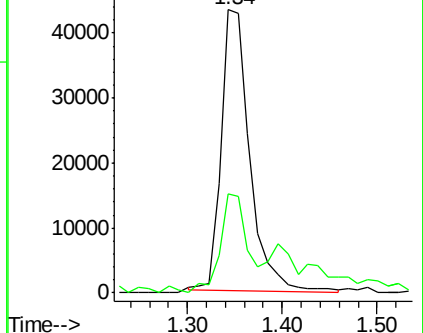
64 100

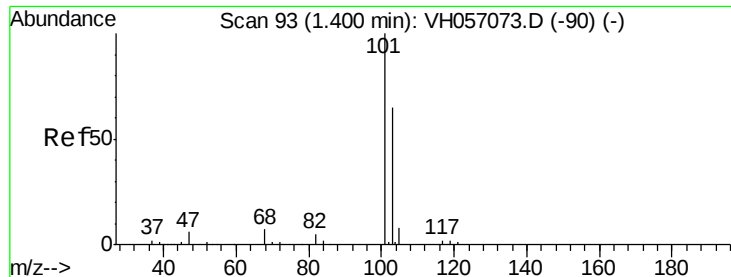
66 34.9 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

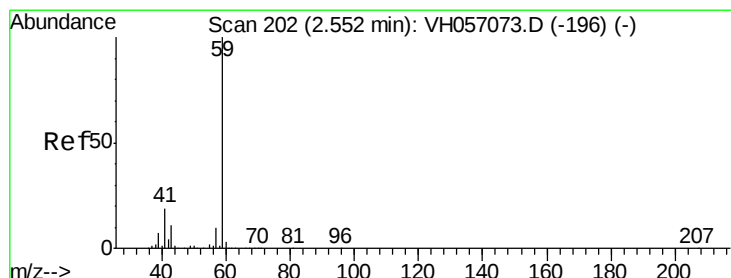
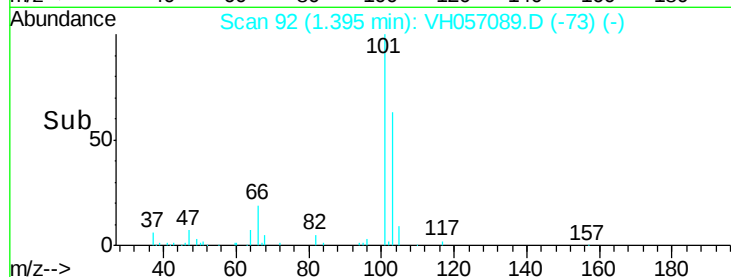
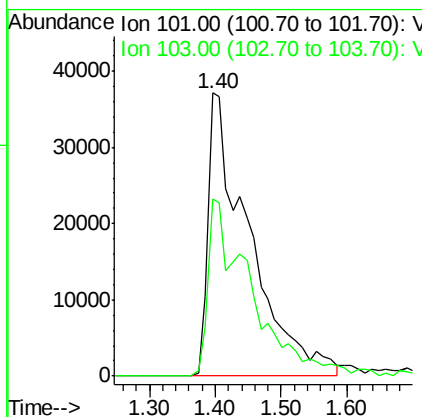
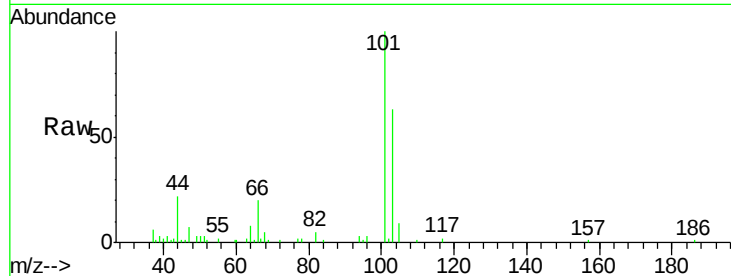
Trichlorofluoromethane
Concen: 18.30 ug/l m
RT: 1.40 min Scan# 92
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
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VH0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	161180		
103	62.6	54.9	82.3	

Manual Integrations
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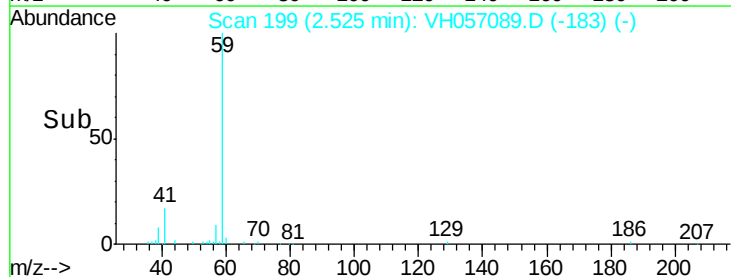
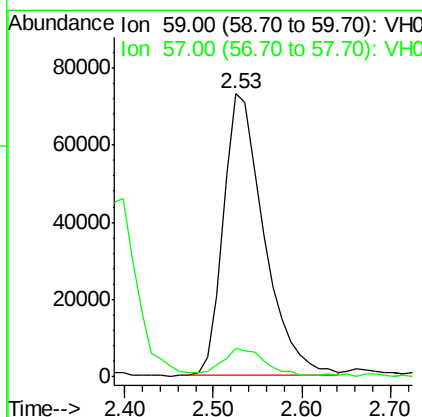
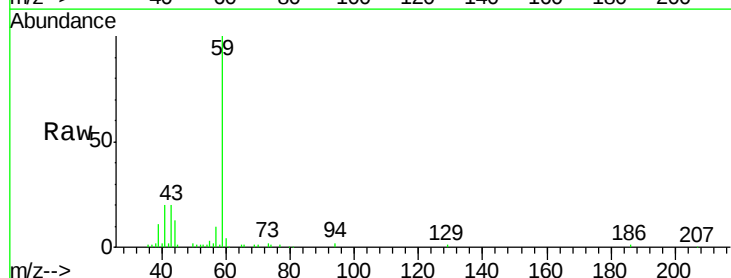
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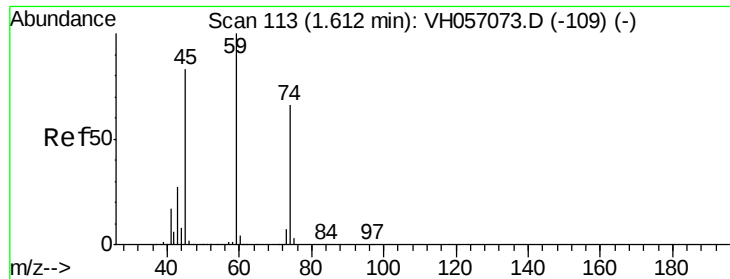


#8

Tert butyl alcohol
Concen: 101.66 ug/l
RT: 2.53 min Scan# 199
Delta R.T. -0.03 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	233390		
57	10.2	9.0	11.0	





#9

Diethyl Ether

Concen: 22.67 ug/l

RT: 1.61 min Scan# 112

Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 74 Resp: 98726

Ion Ratio Lower Upper

74 100

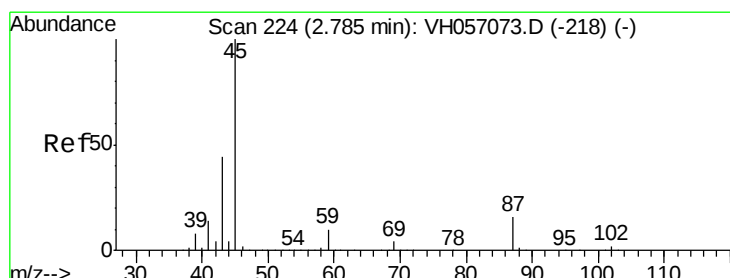
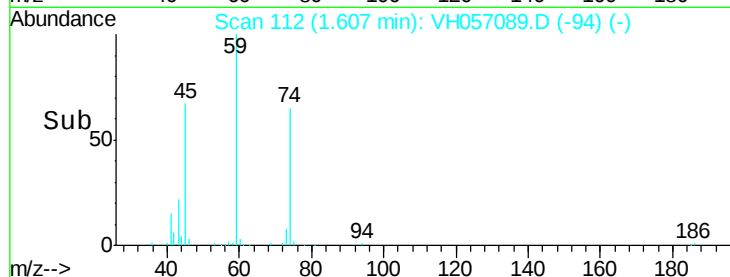
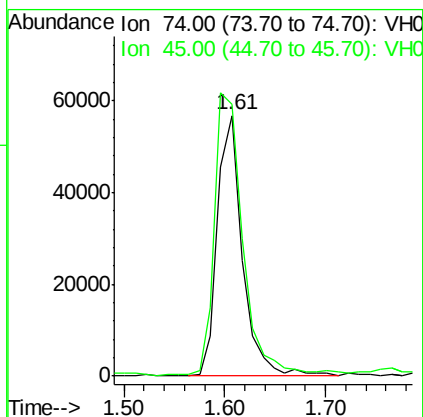
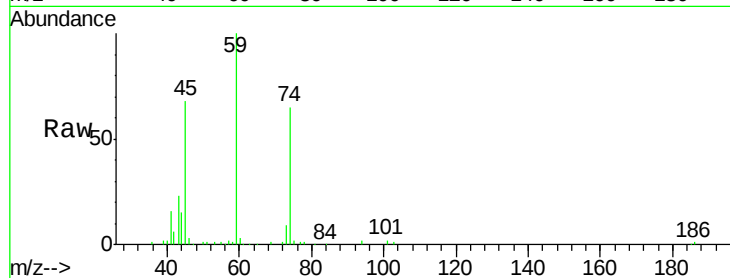
45 104.4 0.0 304.4

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#10

Diisopropyl ether

Concen: 19.50 ug/l

RT: 2.77 min Scan# 222

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion: 45 Resp: 622507

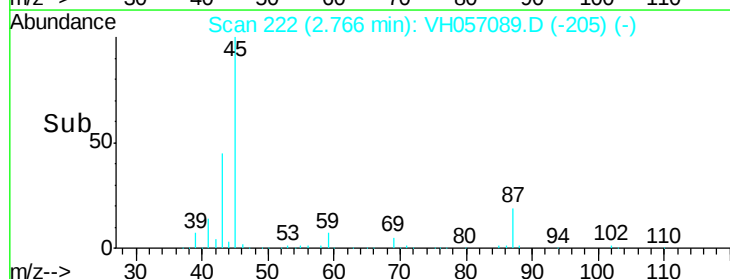
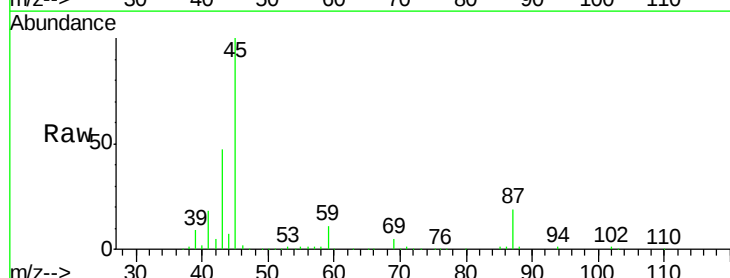
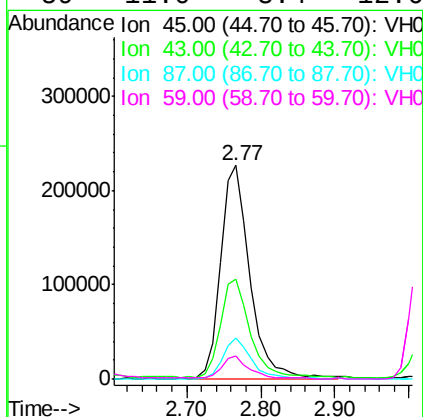
Ion Ratio Lower Upper

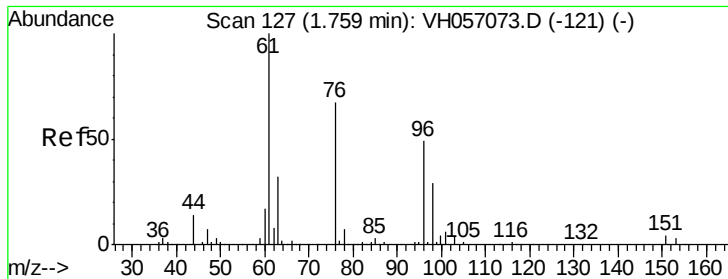
45 100

43 46.7 34.6 52.0

87 19.1 12.6 19.0#

59 11.0 8.4 12.6





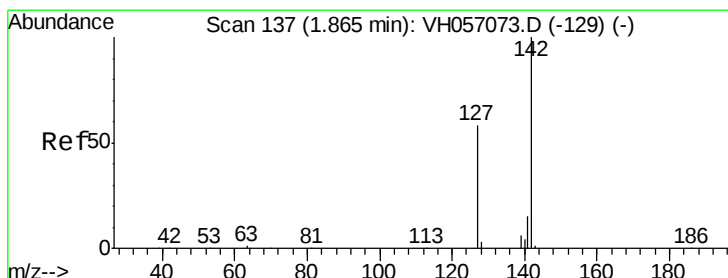
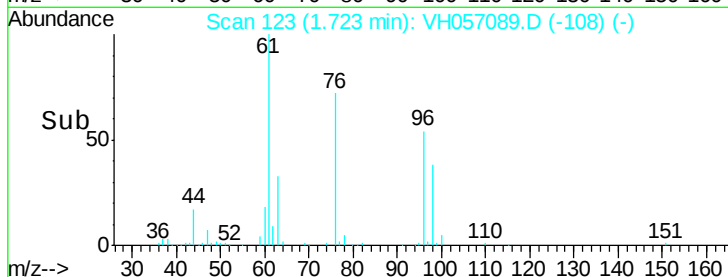
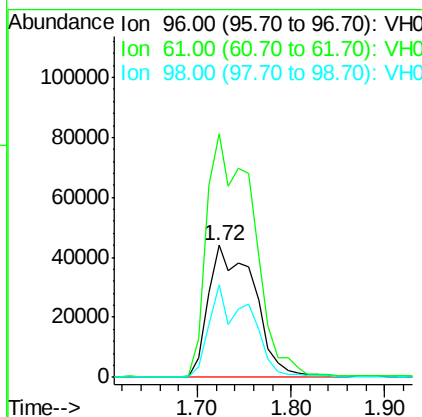
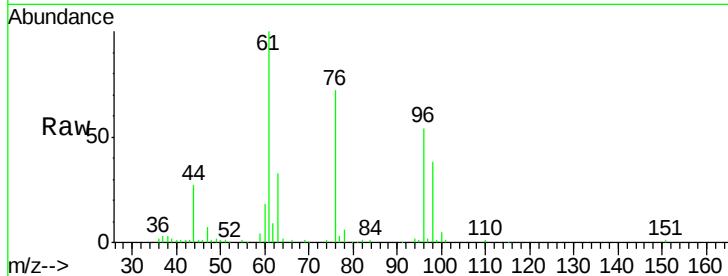
#11
 1,1-Dichloroethene
 Concen: 22.72 ug/l
 RT: 1.72 min Scan# 123
 Delta R.T. -0.04 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampled :
 VH0921MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.2	158.4	237.6
98	70.0	50.6	75.8

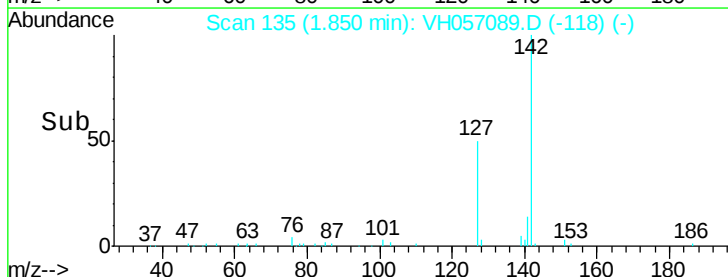
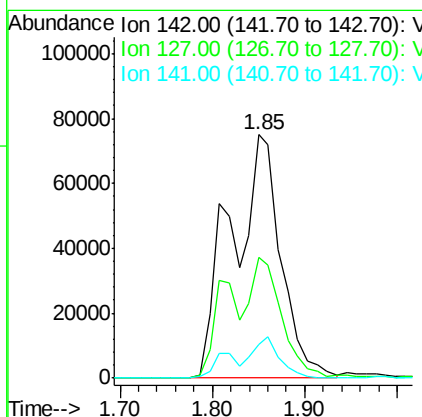
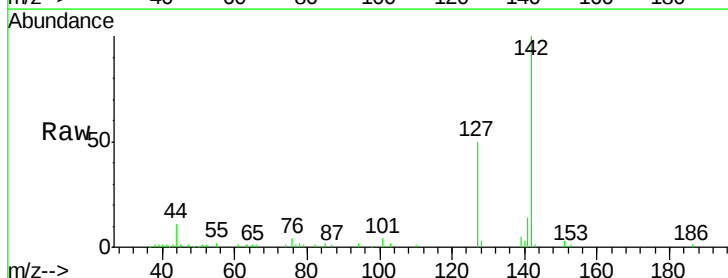
Manual Integrations
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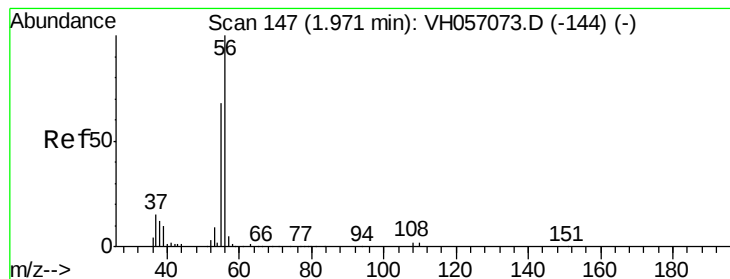
MMDadoda
 9/22/2015 2:54:32 PM



#12
 Methyl Iodide
 Concen: 24.04 ug/l m
 RT: 1.85 min Scan# 135
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.6	30.0	90.1
141	14.0	7.1	21.4





#13

Acrolein

Concen: 109.71 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 56 Resp: 150618

Ion Ratio Lower Upper

56 100

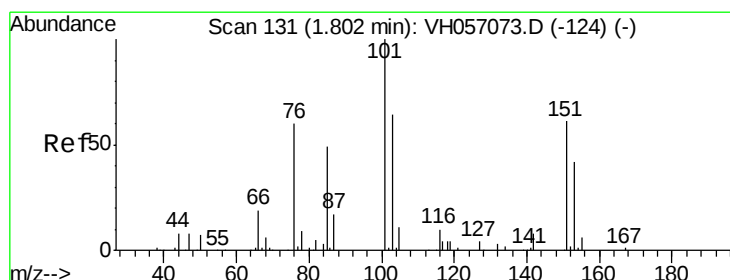
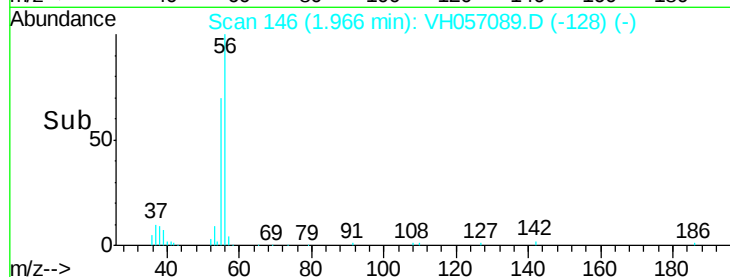
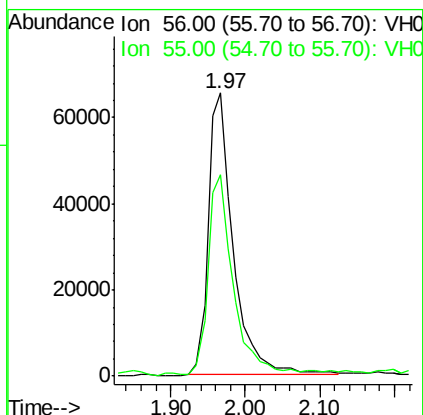
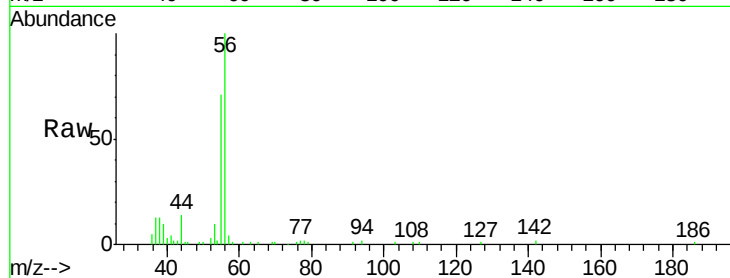
55 71.0 52.9 79.3

Manual Integrations

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#14

1,1,2-Trichlorotrifluoroethane

Concen: 22.74 ug/l

RT: 1.80 min Scan# 130

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

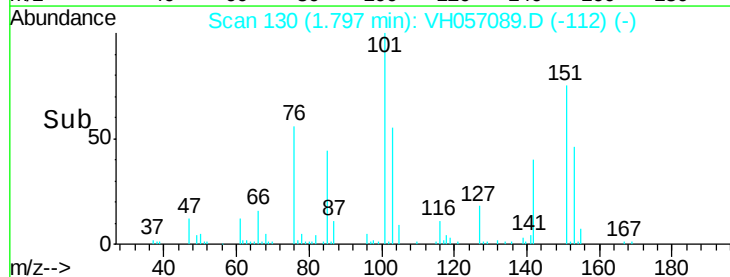
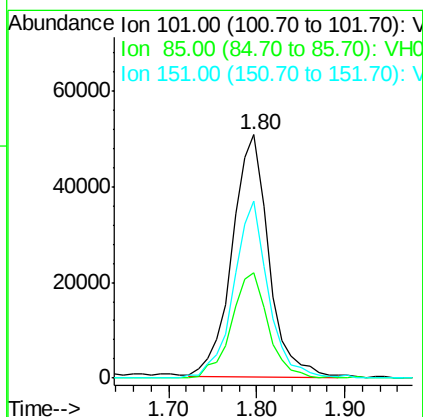
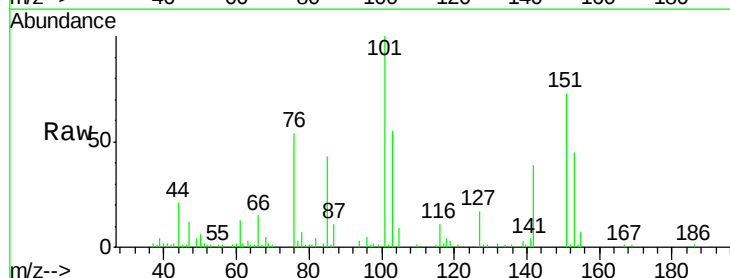
Tgt Ion:101 Resp: 146304

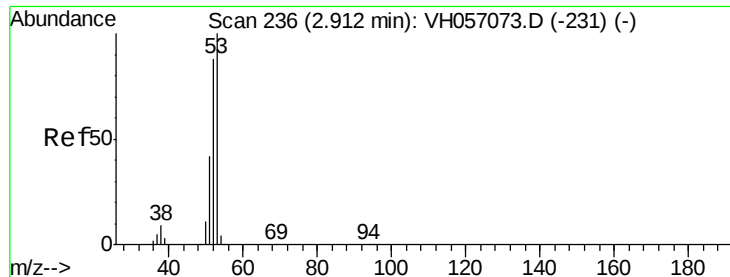
Ion Ratio Lower Upper

101 100

85 43.1 37.9 56.9

151 72.6 50.6 76.0





#15

Acrylonitrile

Concen: 99.58 ug/l

RT: 2.89 min Scan# 234

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

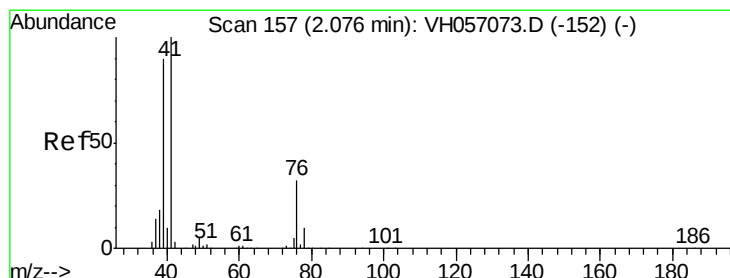
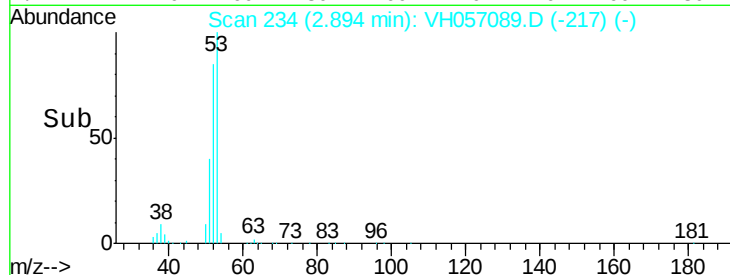
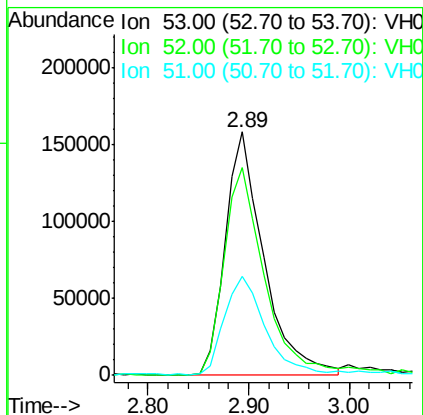
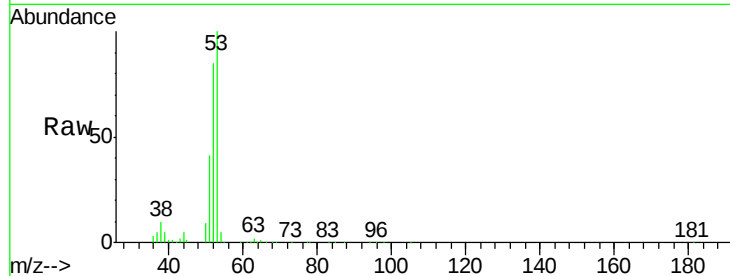
ClientSampleId :

VH0921MBS01

Tot Ion:	53	Resp:	416963
Ion	Ratio	Lower	Upper
53	100		
52	85.5	67.6	101.4
51	40.5	31.8	47.6

Manual Integrations
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#16

Allyl Chloride

Concen: 20.88 ug/l

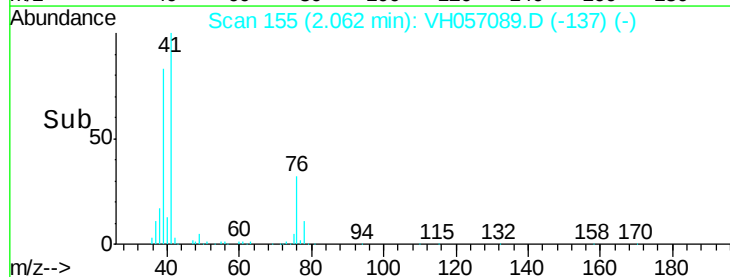
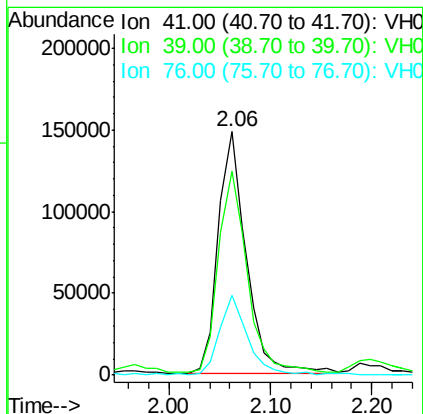
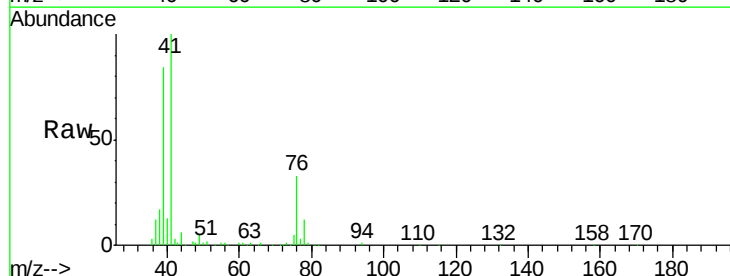
RT: 2.06 min Scan# 155

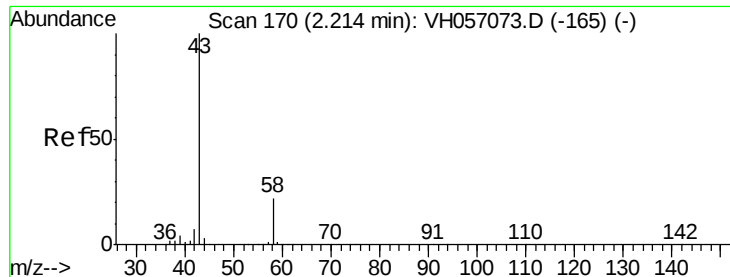
Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:	41	Resp:	284370
Ion	Ratio	Lower	Upper
41	100		
39	83.6	41.0	123.2
76	32.7	14.3	42.9





#17

Acetone

Concen: 84.58 ug/l

RT: 2.20 min Scan# 168

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 43 Resp: 543988

Ion Ratio Lower Upper

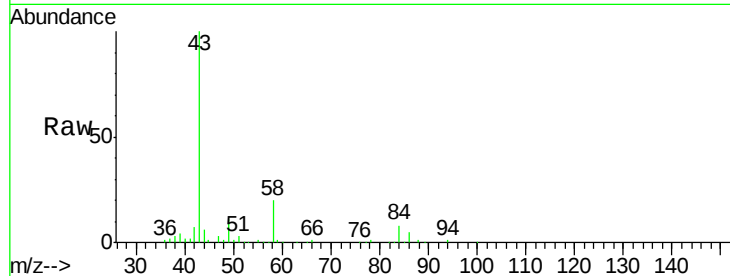
43 100

58 19.8 17.7 26.5

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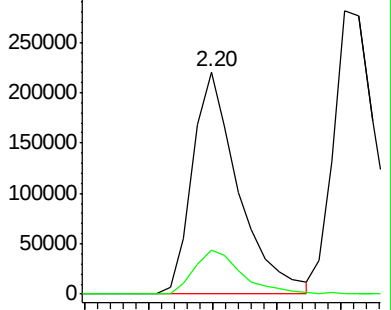
MMDadoda

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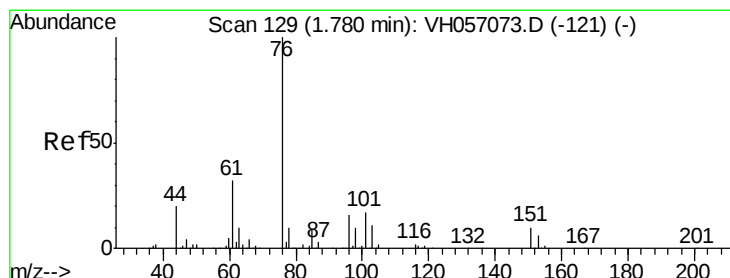
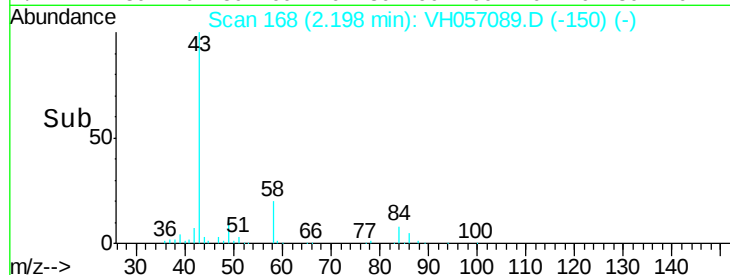


Abundance Ion 43.00 (42.70 to 43.70): VH057073.D (-165) (-)

Ion 58.00 (57.70 to 58.70): VH057073.D (-165) (-)



Time-->



#18

Carbon Disulfide

Concen: 23.24 ug/l

RT: 1.77 min Scan# 127

Delta R.T. -0.02 min

Lab File: VH057089.D

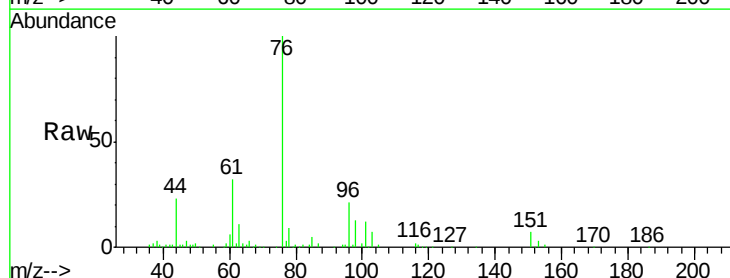
Acq: 21 Sep 2015 12:29

Tgt Ion: 76 Resp: 452671

Ion Ratio Lower Upper

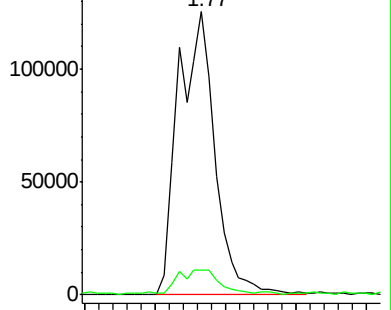
76 100

78 8.9 7.1 10.7

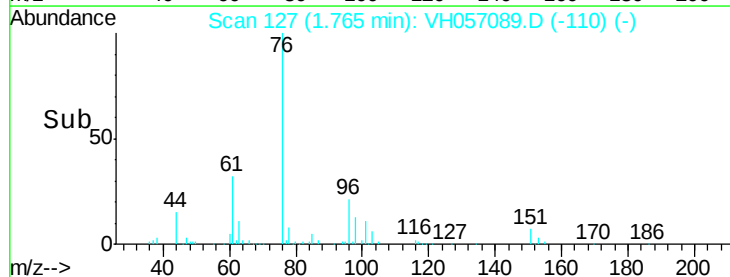


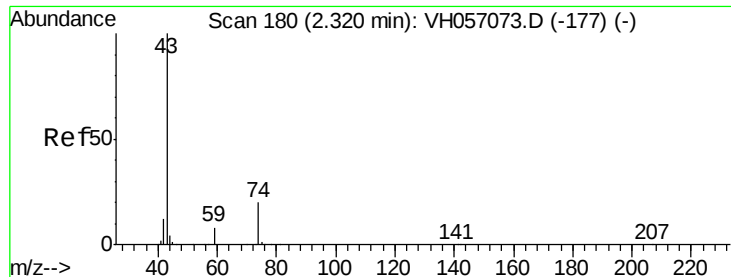
Abundance Ion 76.00 (75.70 to 76.70): VH057073.D (-121) (-)

Ion 78.00 (77.70 to 78.70): VH057073.D (-121) (-)



Time-->





#19

Methyl Acetate

Concen: 18.18 ug/l

RT: 2.30 min Scan# 178

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 43 Resp: 604884

Ion Ratio Lower Upper

43 100

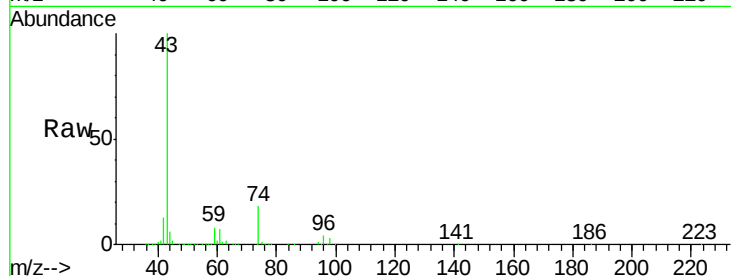
74 18.4 13.3 24.7

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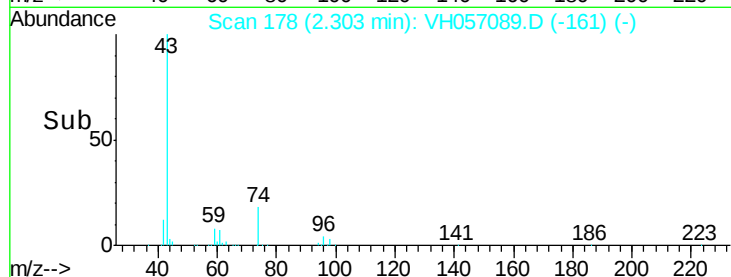
Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 74.00 (73.70 to 74.70): VH0

2.30

2.35

Time-->



Abundance

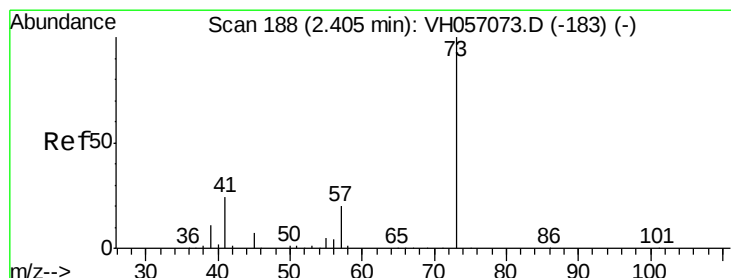
Ion 43.00 (42.70 to 43.70): VH0

Ion 74.00 (73.70 to 74.70): VH0

2.30

2.35

Time-->



#20

Methyl tert-butyl Ether

Concen: 21.95 ug/l

RT: 2.40 min Scan# 187

Delta R.T. -0.01 min

Lab File: VH057089.D

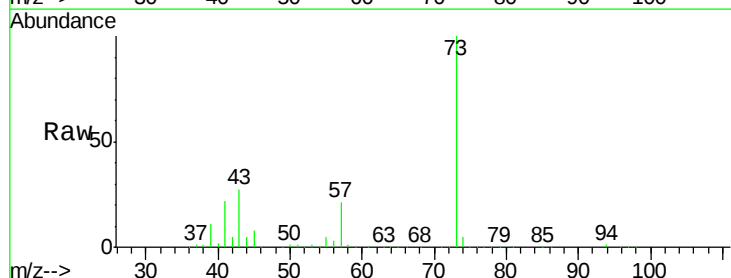
Acq: 21 Sep 2015 12:29

Tgt Ion: 73 Resp: 580592

Ion Ratio Lower Upper

73 100

57 21.0 18.0 27.0



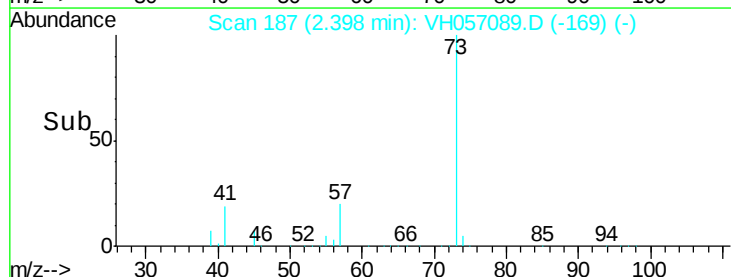
Abundance Ion 73.00 (72.70 to 73.70): VH0

Ion 57.00 (56.70 to 57.70): VH0

2.40

2.50

Time-->



Abundance

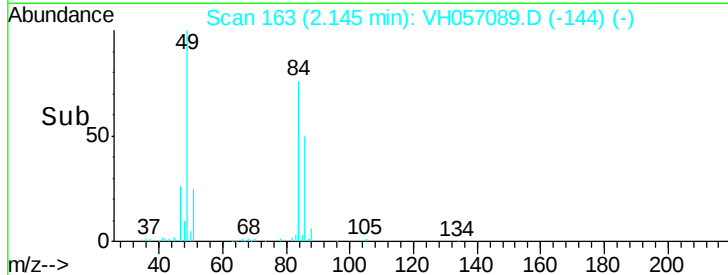
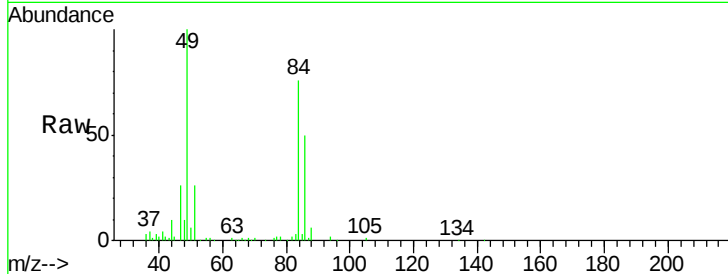
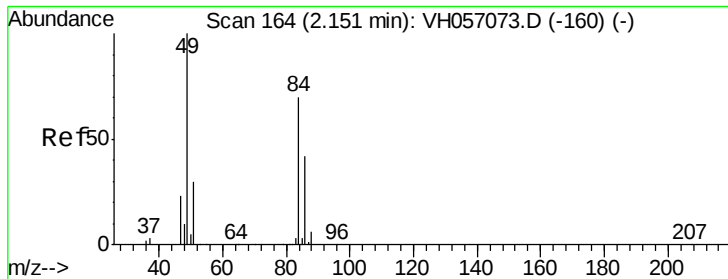
Ion 73.00 (72.70 to 73.70): VH0

Ion 57.00 (56.70 to 57.70): VH0

2.40

2.50

Time-->



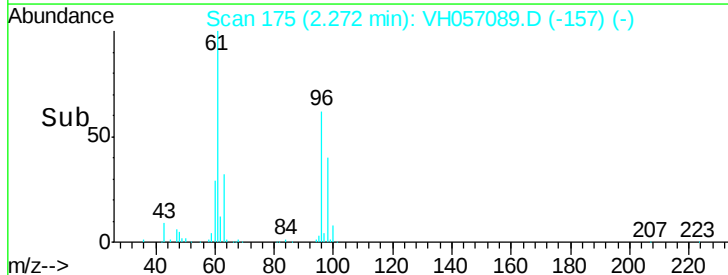
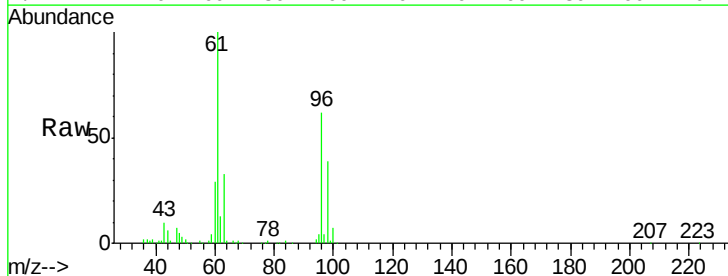
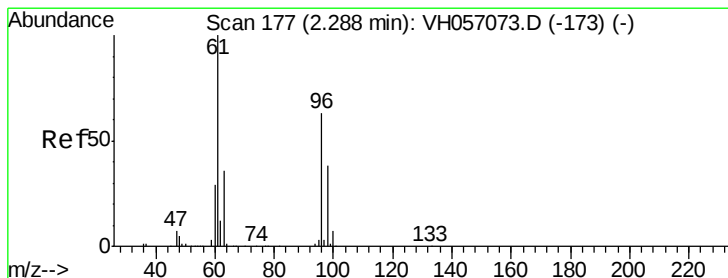
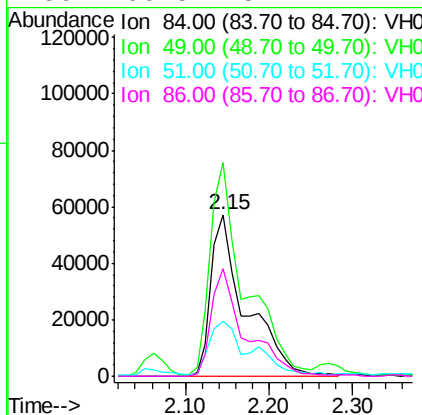
#21
Methvlene Chloride
Concen: 22.79 ug/l
RT: 2.15 min Scan# 163
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tot Ion	Ratio	Resp	Lower	Upper
84	100			
49	132.3	132.8	199.2#	
51	34.0	39.5	59.3#	
86	66.5	51.4	77.2	

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

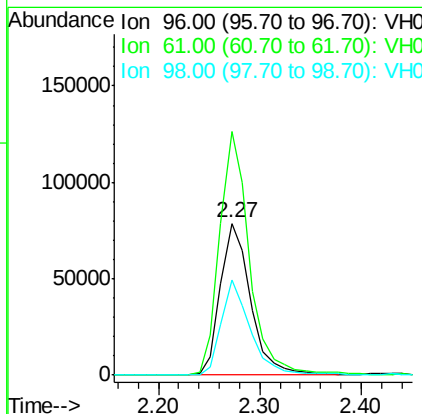
Manual Integrations
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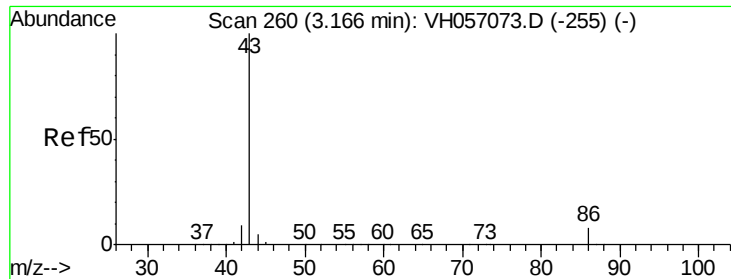
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 22.84 ug/l
RT: 2.27 min Scan# 175
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.8	131.7	197.5	
98	63.0	49.5	74.3	





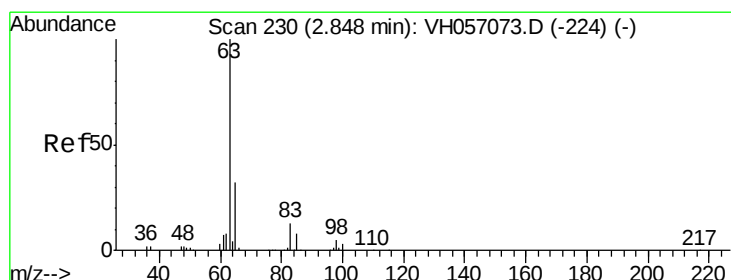
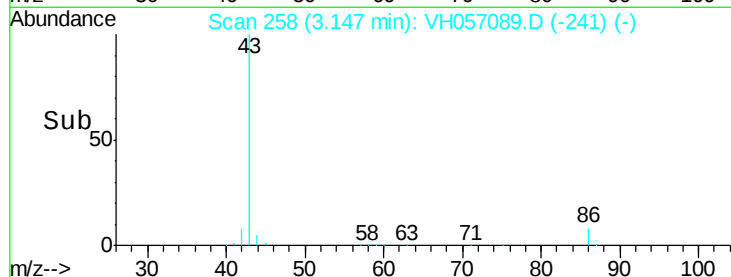
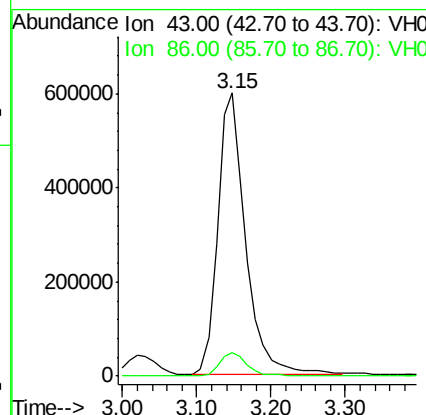
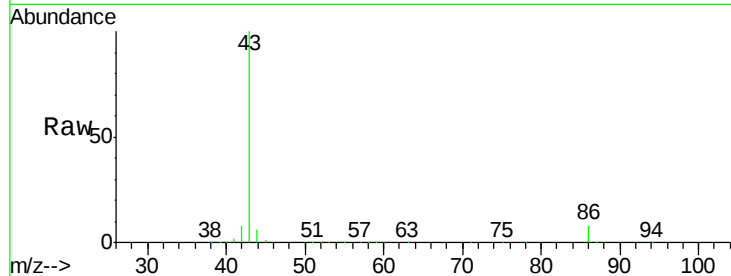
#23
 Vinyl Acetate
 Concen: 103.24 ug/l
 RT: 3.15 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion: 43 Resp: 1559717
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.2 9.2

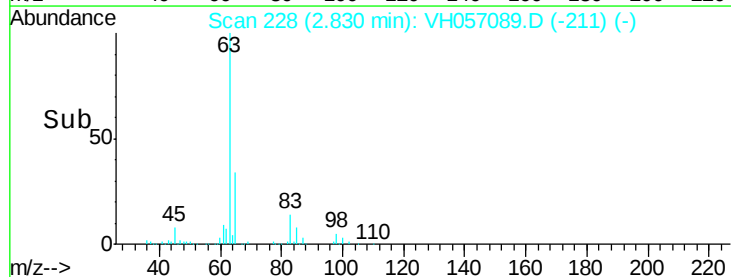
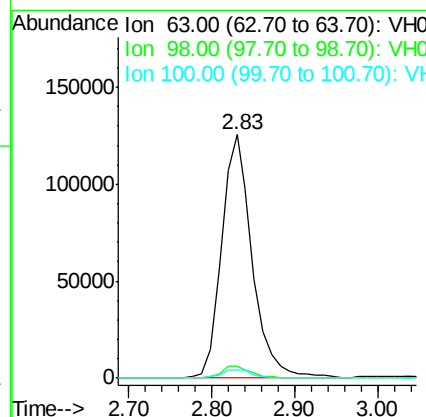
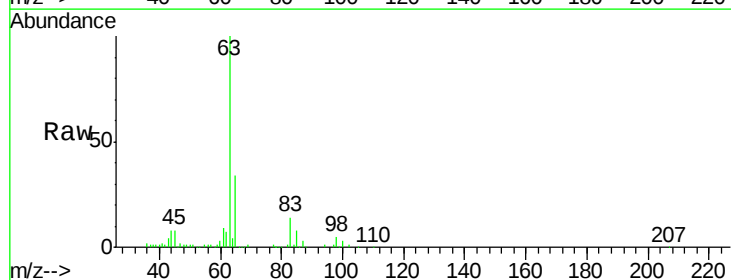
Manual Integrations
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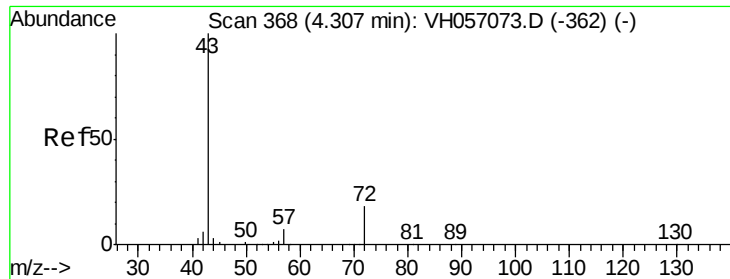
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#24
 1,1-Dichloroethane
 Concen: 20.25 ug/l
 RT: 2.83 min Scan# 228
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion: 63 Resp: 318328
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.6 7.8
 100 3.4 1.7 5.0





#25

2-Butanone

Concen: 103.27 ug/l

RT: 4.29 min Scan# 366

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tot Ion: 43 Resp: 1226687

Ion Ratio Lower Upper

43 100

72 20.9 0.0 39.2

Instrument :

MSVOA_H

ClientSampleId :

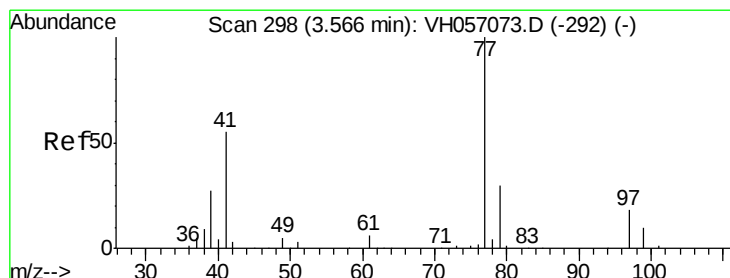
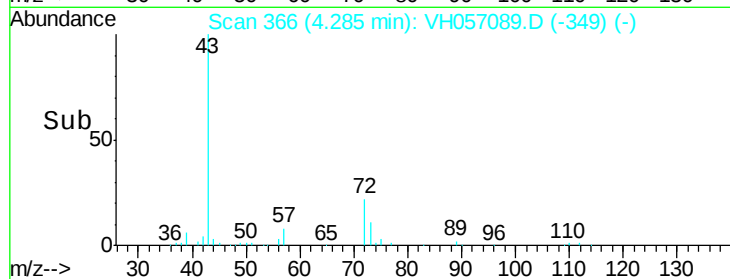
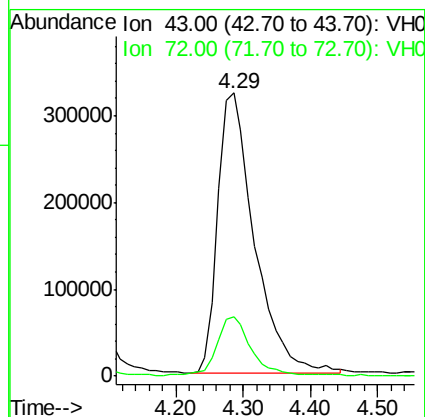
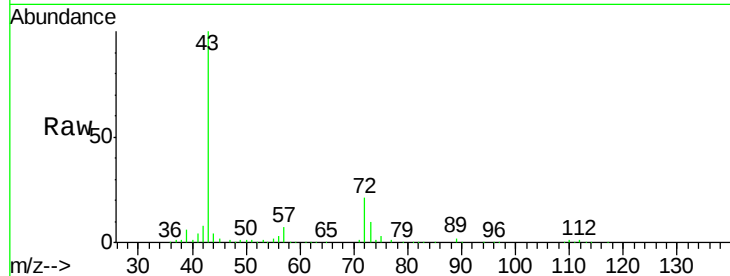
VH0921MBS01

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#26

2,2-Dichloropropane

Concen: 22.25 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.01 min

Lab File: VH057089.D

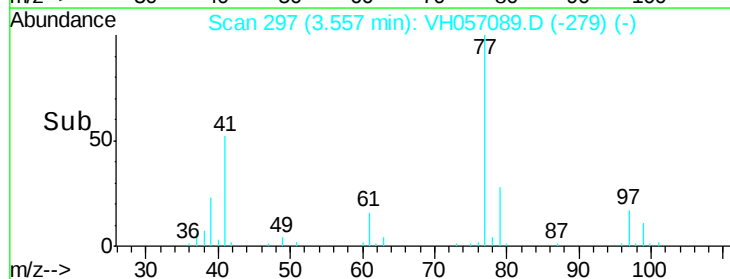
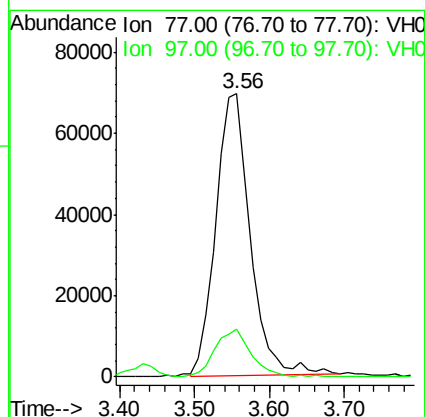
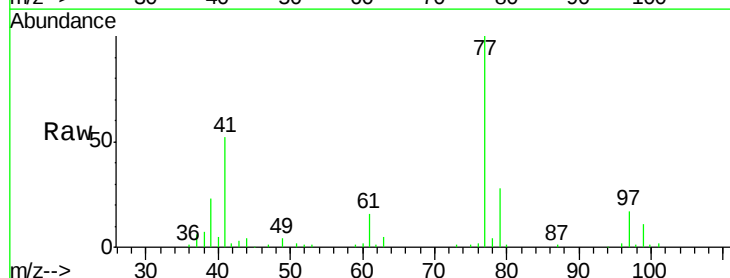
Acq: 21 Sep 2015 12:29

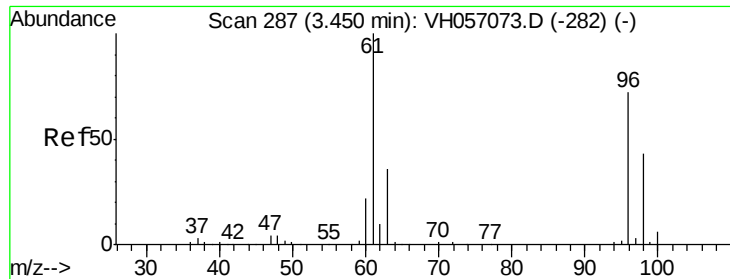
Tgt Ion: 77 Resp: 219598

Ion Ratio Lower Upper

77 100

97 17.0 8.8 26.4





#27

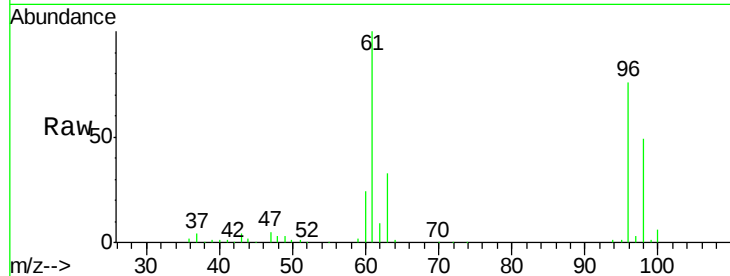
cis-1,2-Dichloroethene
Concen: 22.37 ug/l
RT: 3.43 min Scan# 285
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	131.5	115.4	173.0		
98	64.4	49.7	74.5		

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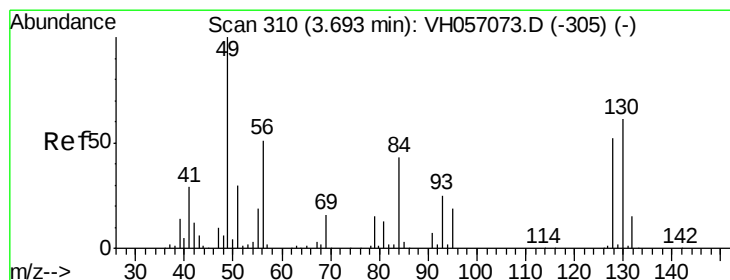
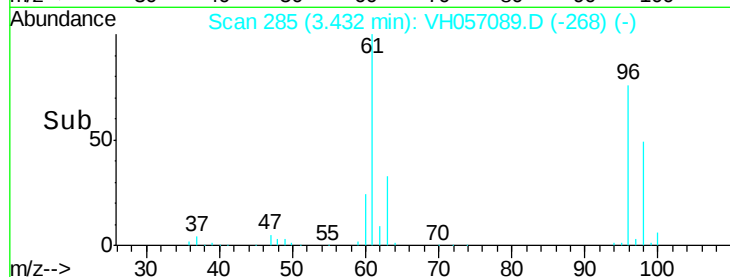
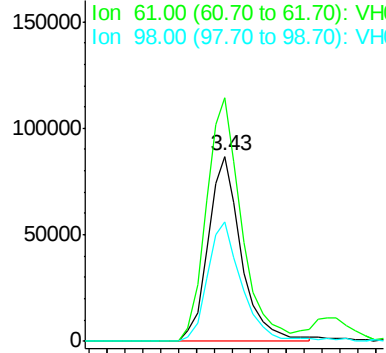


Abundance

Ion 96.00 (95.70 to 96.70): VH0

Ion 61.00 (60.70 to 61.70): VH0

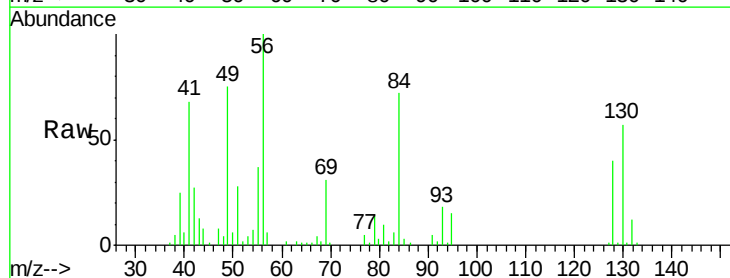
Ion 98.00 (97.70 to 98.70): VH0



#28

Bromochloromethane
Concen: 15.55 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
49	186.7	0.0	441.4		
130	142.6	100.7	151.1		

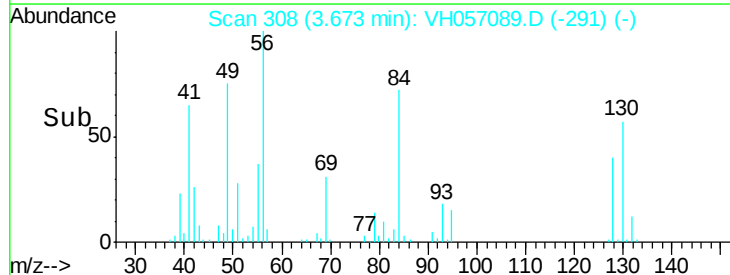
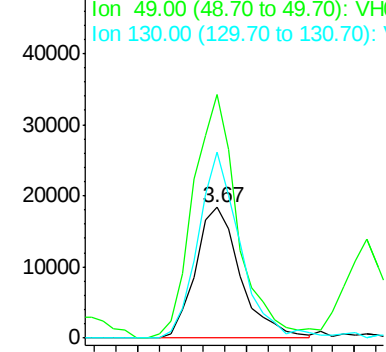


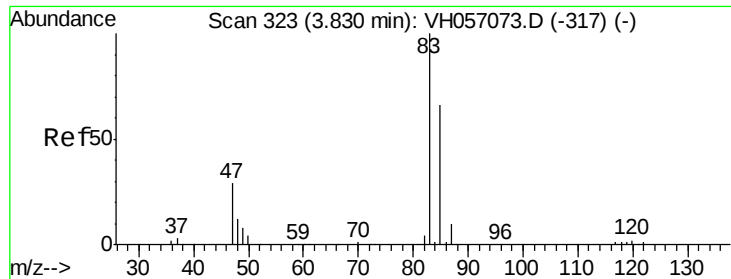
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VH0

Ion 130.00 (129.70 to 130.70): V





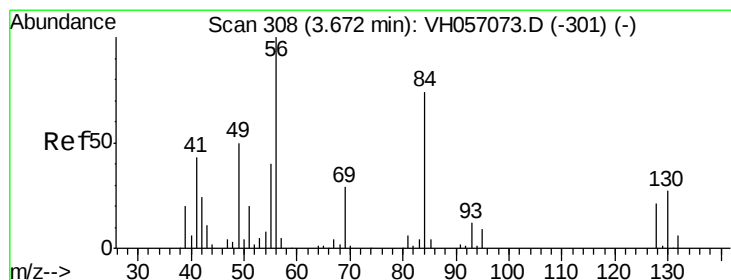
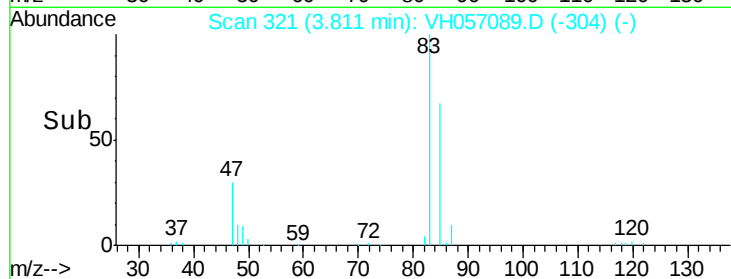
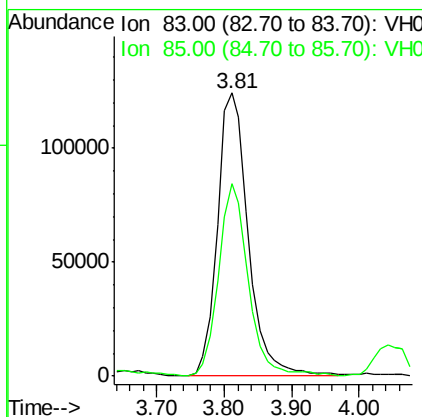
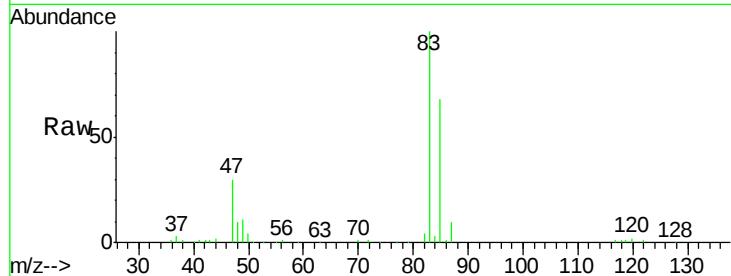
#29
Chloroform
Concen: 21.05 ug/l
RT: 3.81 min Scan# 321
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion	83	Resp	391097
Ion	Ratio	Lower	Upper
83	100		
85	67.9	54.3	81.5

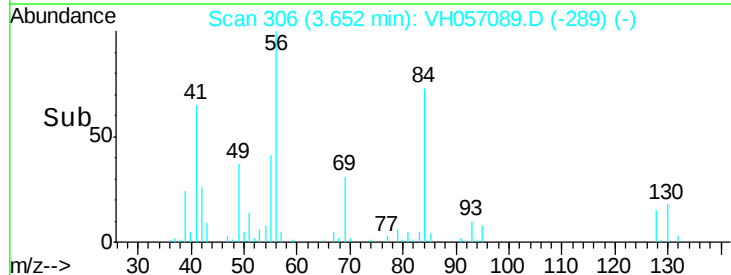
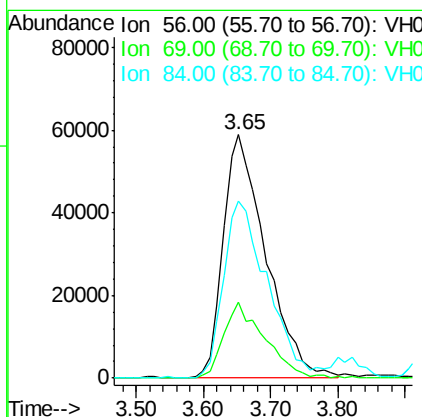
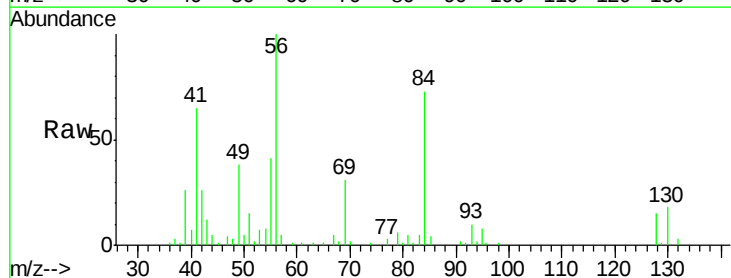
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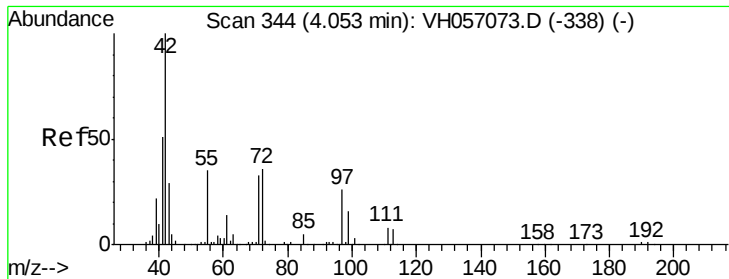
MMDadoda
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#30
Cyclohexane
Concen: 20.52 ug/l
RT: 3.65 min Scan# 306
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	56	Resp	258426
Ion	Ratio	Lower	Upper
56	100		
69	31.0	18.1	33.7
84	72.8	0.0	136.8





#31

Tetrahydrofuran

Concen: 100.21 ug/l

RT: 4.03 min Scan# 342

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

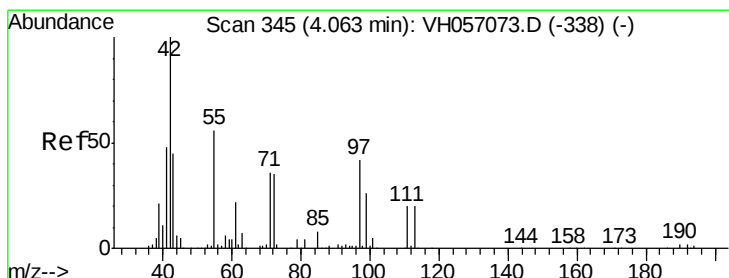
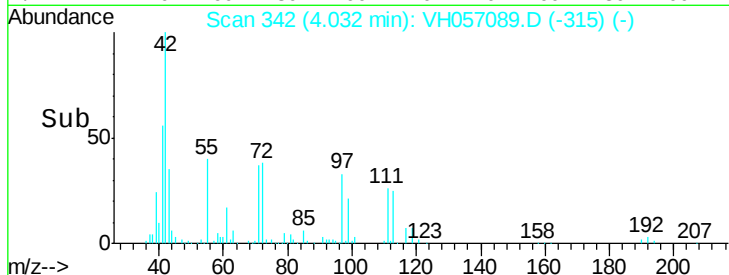
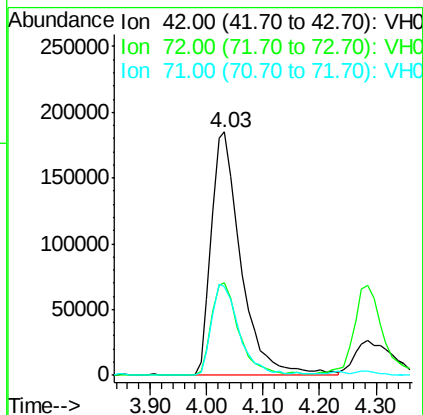
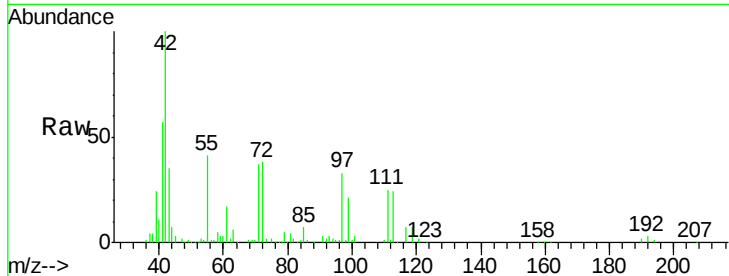
ClientSampleId :

VH0921MBS01

Tot Ion:	42	Resp:	668124
Ion	Ratio	Lower	Upper
42	100		
72	36.3	25.5	38.3
71	35.6	25.4	38.0

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#32

1,1,1-Trichloroethane

Concen: 21.74 ug/l

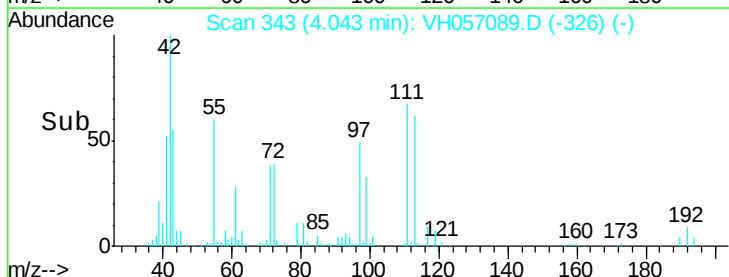
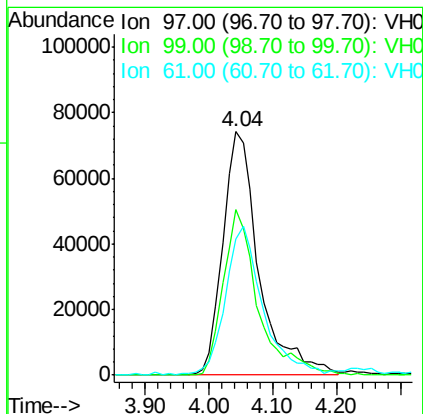
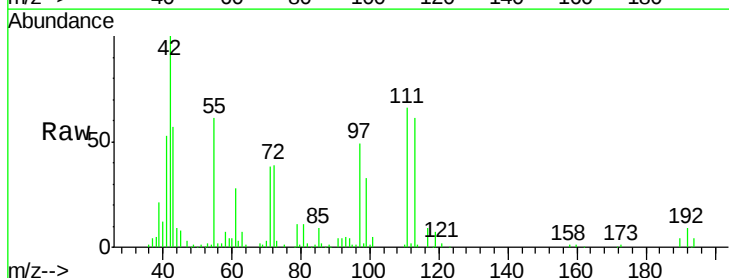
RT: 4.04 min Scan# 343

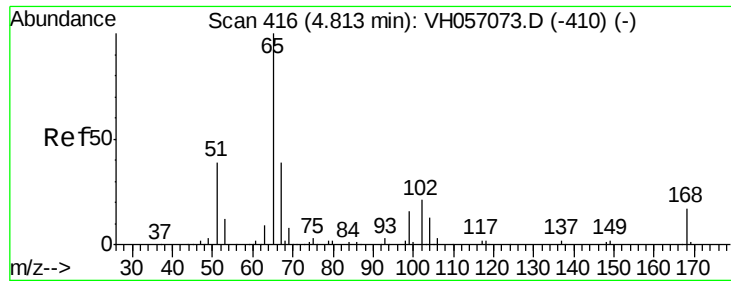
Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:	97	Resp:	290779
Ion	Ratio	Lower	Upper
97	100		
99	67.8	49.8	74.6
61	56.1	45.0	67.4





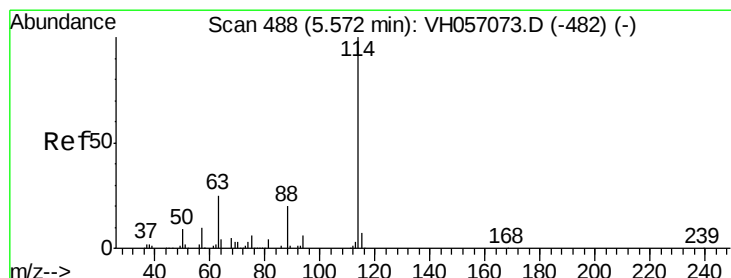
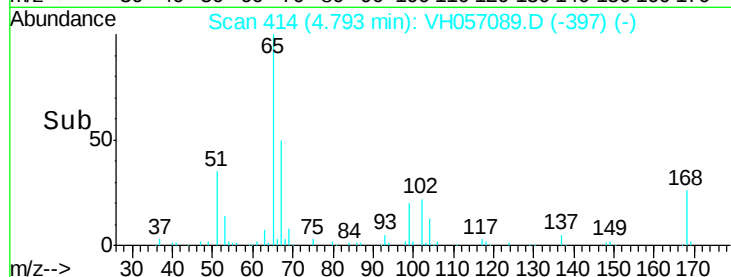
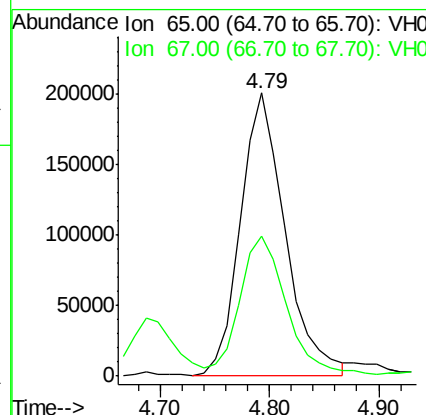
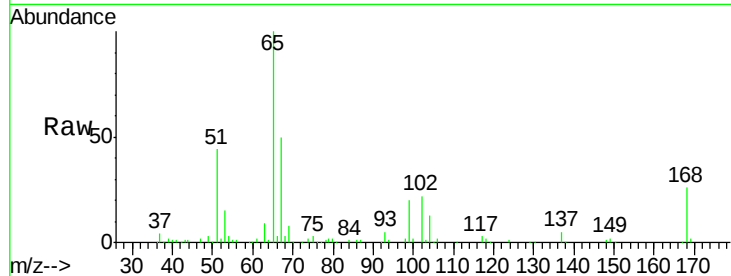
#33
 1,2-Dichloroethane-d4
 Concen: 44.14 ug/l
 RT: 4.79 min Scan# 414
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion: 65 Resp: 564410
 Ion Ratio Lower Upper
 65 100
 67 49.6 43.2 64.8

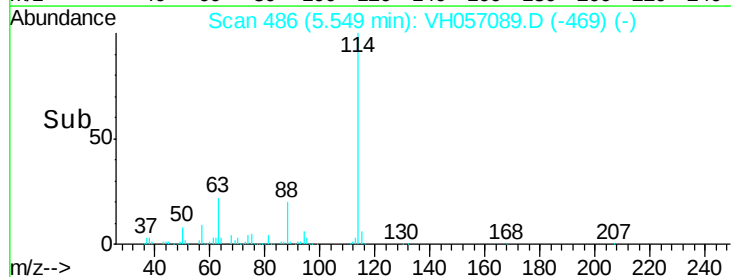
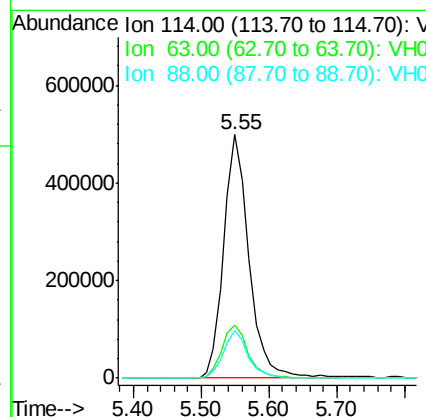
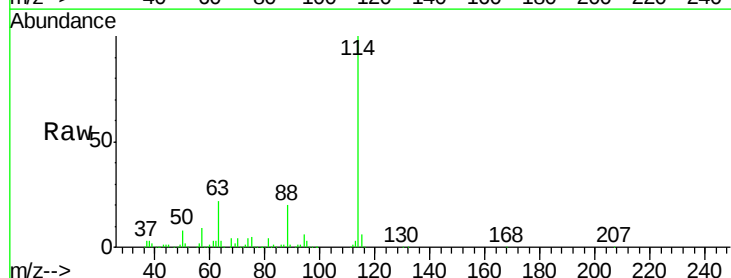
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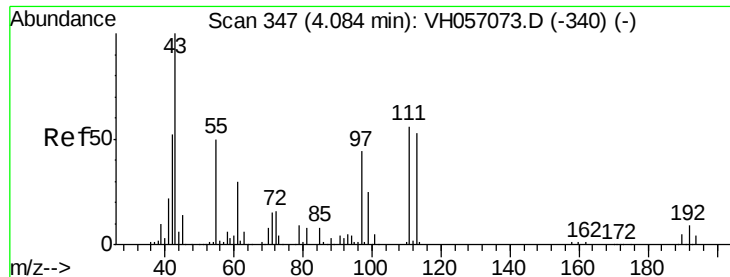
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion: 114 Resp: 1282333
 Ion Ratio Lower Upper
 114 100
 63 22.0 19.0 28.4
 88 19.9 15.7 23.5





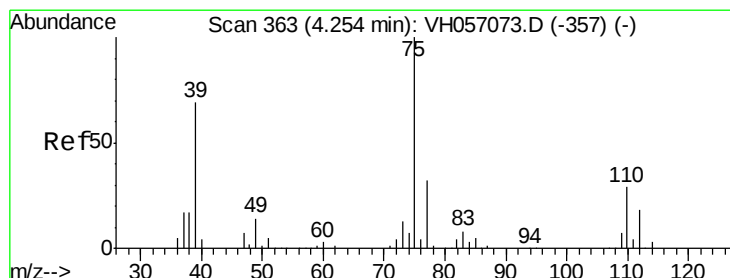
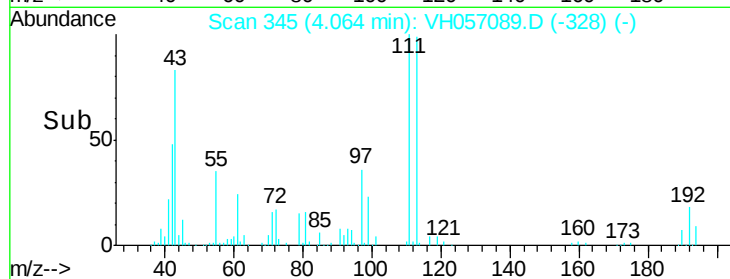
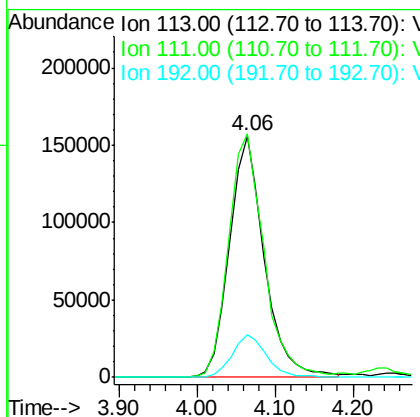
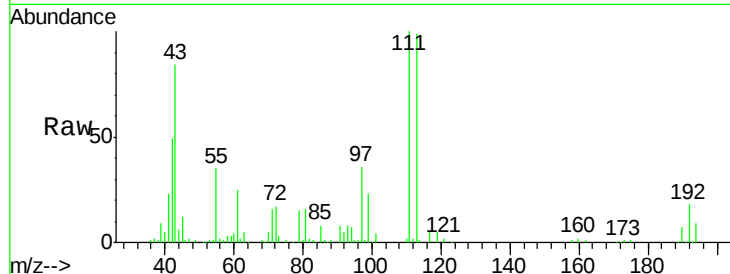
#35
 Dibromofluoromethane
 Concen: 47.18 ug/l
 RT: 4.06 min Scan# 345
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	481671		
111	100.8	84.0	126.0	
192	17.8	13.6	20.4	

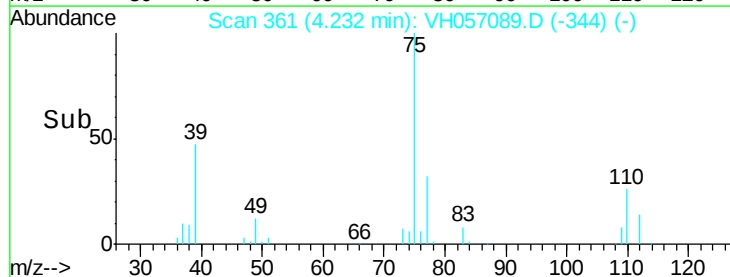
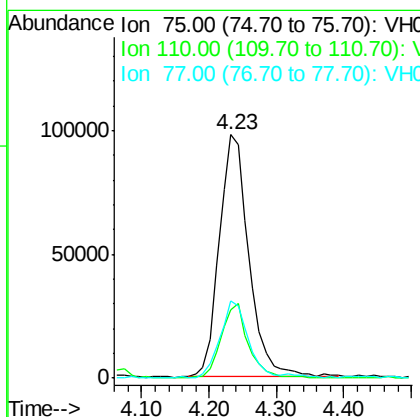
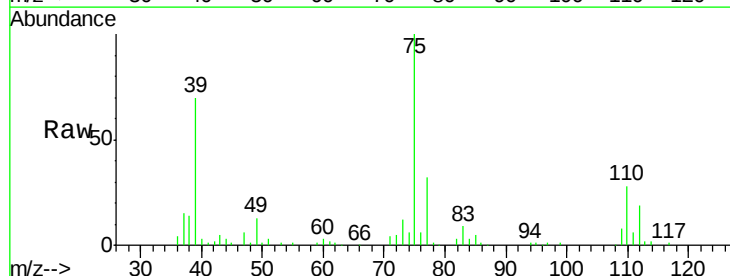
Manual Integrations
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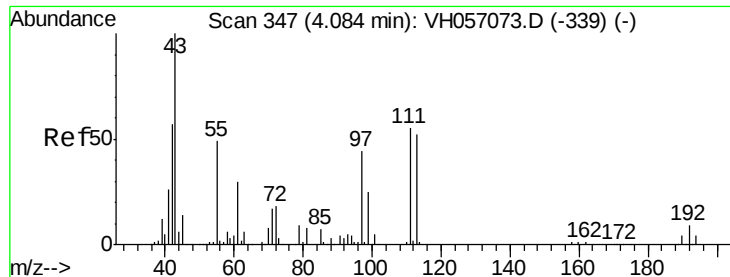
MMDadoda
 9/22/2015 2:54:32 PM



#36
 1,1-Dichloropropene
 Concen: 21.40 ug/l
 RT: 4.23 min Scan# 361
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	301509		
110	28.0	13.7	41.1	
77	31.8	24.0	36.0	





#37

Ethyl acetate

Concen: 20.35 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.02 min

Lab File: VH057089.D

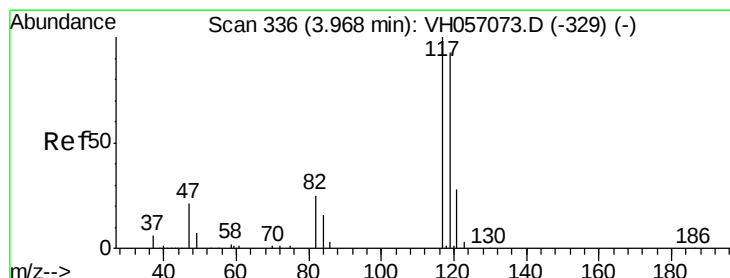
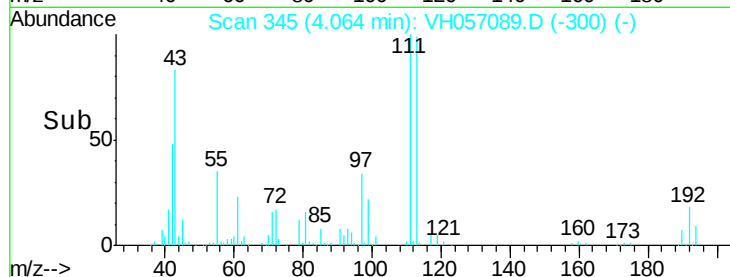
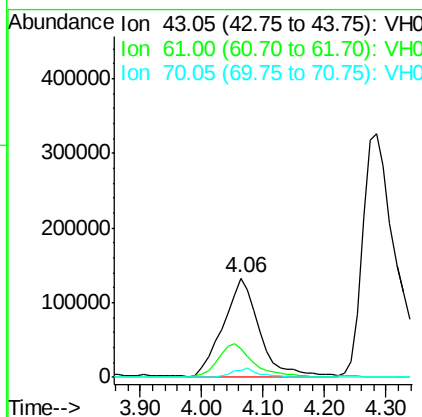
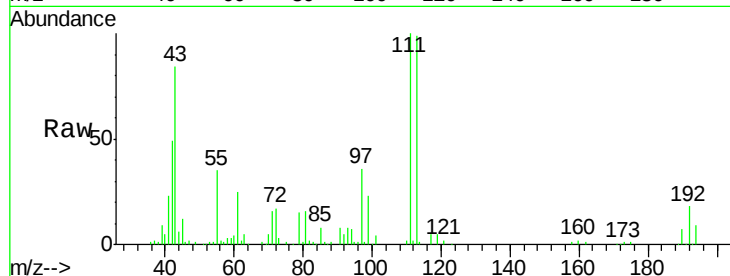
Acq: 21 Sep 2015 12:29

Tot Ion:	43	Resp:	538168
Ion Ratio	Lower	Upper	
43	100		
61	0.0	23.9	35.9#
70	7.1	5.4	8.0

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

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#38

Carbon Tetrachloride

Concen: 22.86 ug/l m

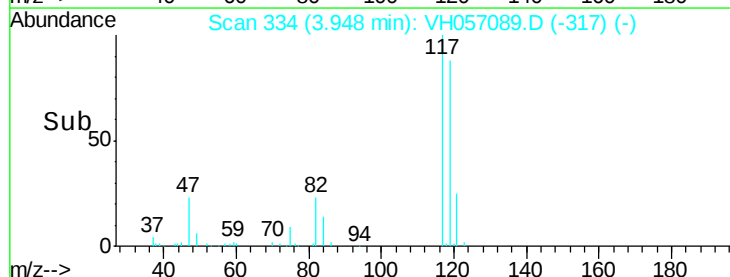
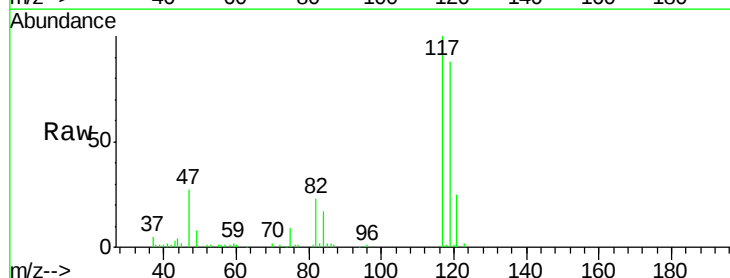
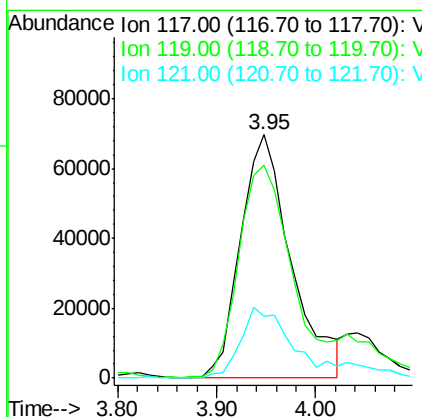
RT: 3.95 min Scan# 334

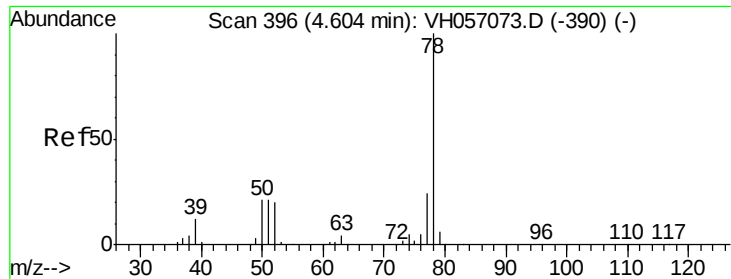
Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:	117	Resp:	250765
Ion Ratio	Lower	Upper	
117	100		
119	87.5	78.7	118.1
121	25.4	25.9	38.9#





#39

Benzene

Concen: 21.00 ug/l

RT: 4.58 min Scan# 394

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampled :

VH0921MBS01

Tot Ion: 78 Resp: 704402

Ion Ratio Lower Upper

78 100

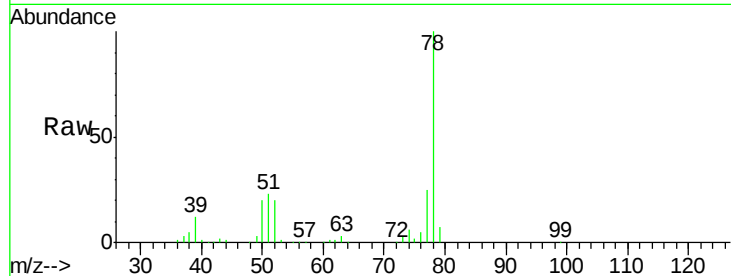
77 25.4 18.5 27.7

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Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0

250000

200000

150000

100000

50000

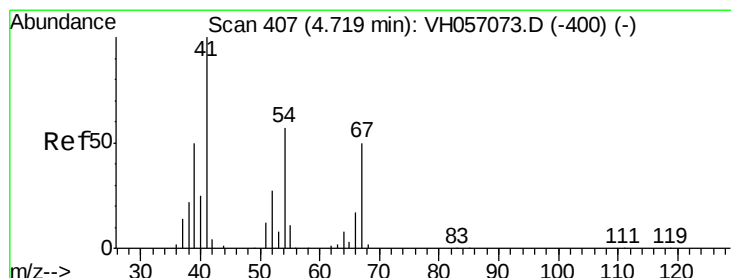
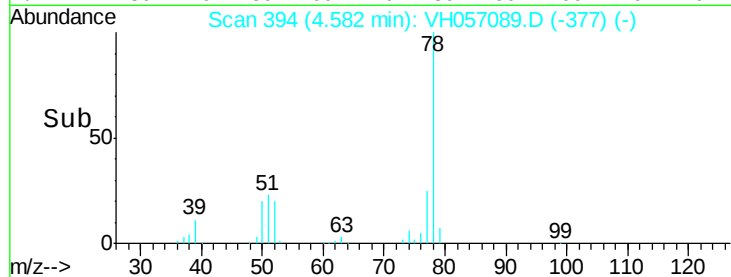
0

4.50

4.60

4.70

Time-->



#40

Methacrylonitrile

Concen: 21.39 ug/l

RT: 4.70 min Scan# 405

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion: 41 Resp: 250441

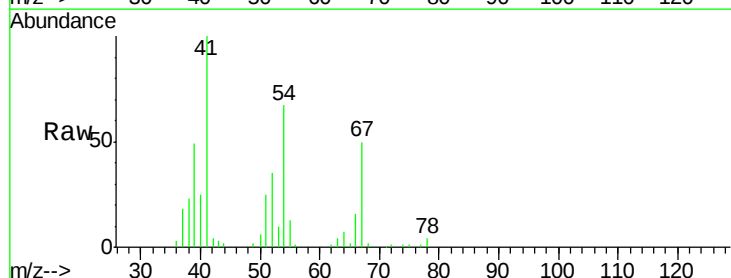
Ion Ratio Lower Upper

41 100

39 48.8 25.1 75.2

67 49.6 22.5 67.5

52 35.2 19.0 57.0



Abundance Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

Ion 67.00 (66.70 to 67.70): VH0

Ion 52.00 (51.70 to 52.70): VH0

150000

100000

50000

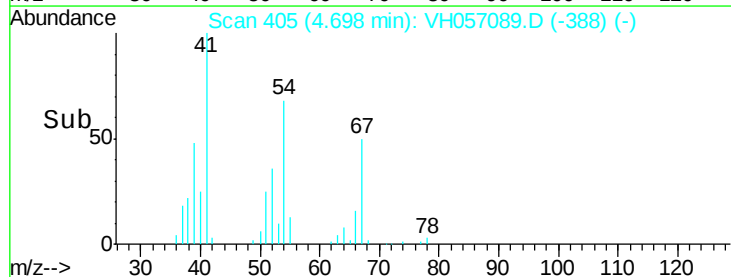
0

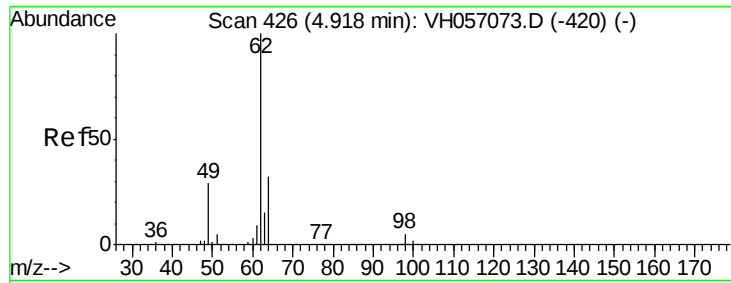
4.60

4.70

4.80

Time-->





#41

1,2-Dichloroethane

Concen: 20.18 ug/l

RT: 4.89 min Scan# 423

Delta R.T. -0.03 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 62 Resp: 298860

Ion Ratio Lower Upper

62 100

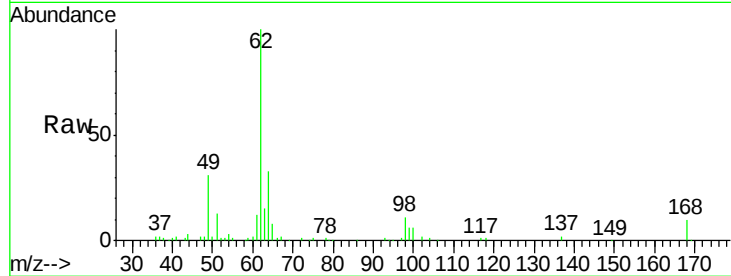
98 10.9 7.3 10.9#

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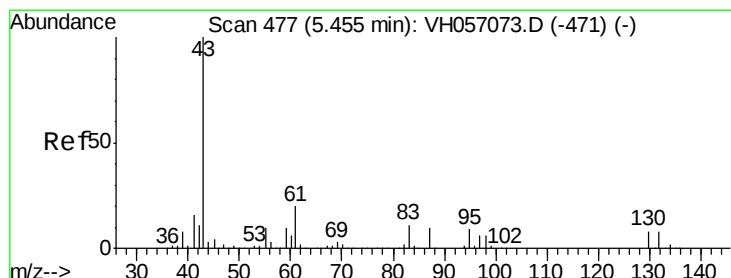
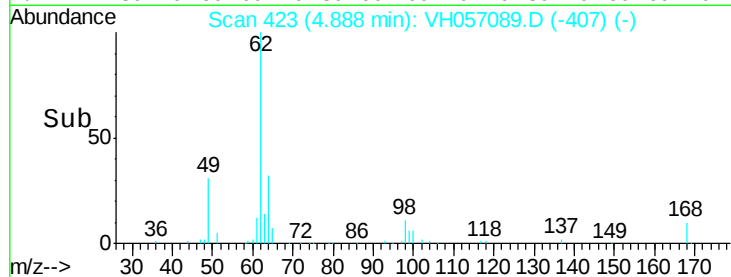
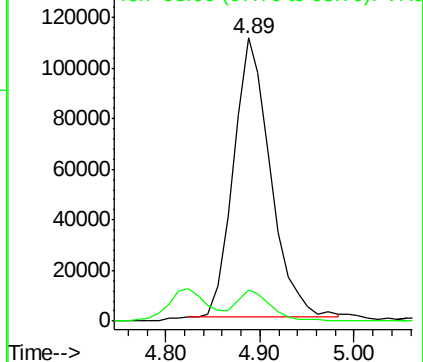
MMDadoda

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Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 98.00 (97.70 to 98.70): VH0



#42

Isopropyl Acetate

Concen: 20.69 ug/l

RT: 5.43 min Scan# 475

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

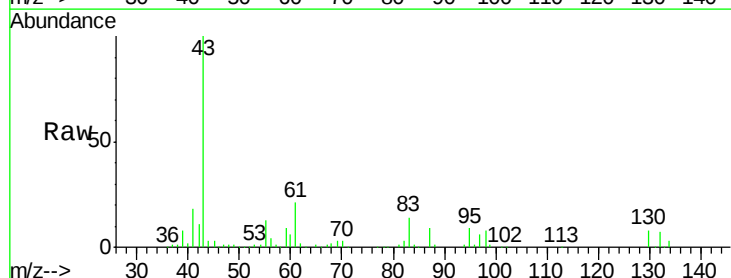
Tgt Ion: 43 Resp: 714571

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.6

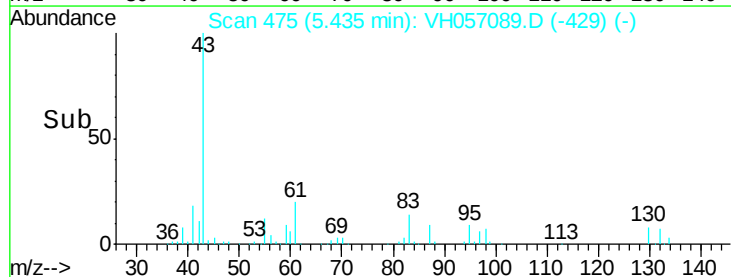
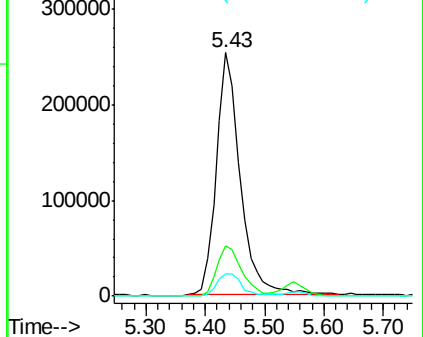
87 9.1 7.0 10.6

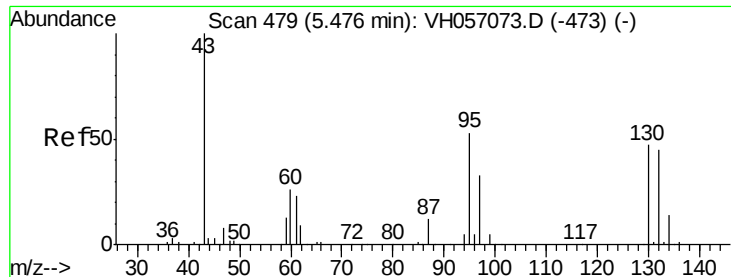


Abundance Ion 43.05 (42.75 to 43.75): VH0

Ion 61.00 (60.70 to 61.70): VH0

Ion 87.00 (86.70 to 87.70): VH0





#43

Trichloroethene

Concen: 22.48 ug/l

RT: 5.46 min Scan# 477

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampled :

VH0921MBS01

Tot Ion:130 Resp: 191652

Ion Ratio Lower Upper

130 100

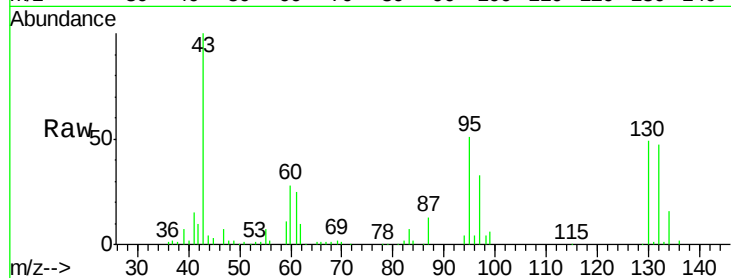
95 103.0 84.0 126.0

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VH

5.46

80000

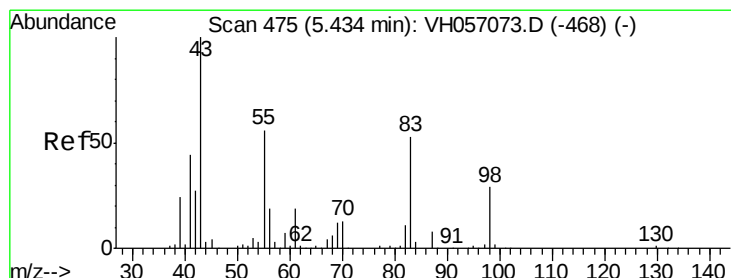
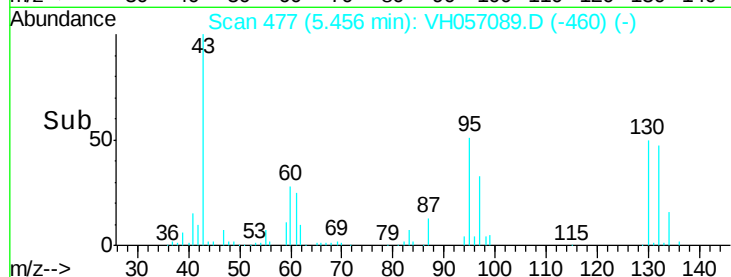
60000

40000

20000

0

Time-->



#44

Methylcyclohexane

Concen: 22.10 ug/l

RT: 5.41 min Scan# 473

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

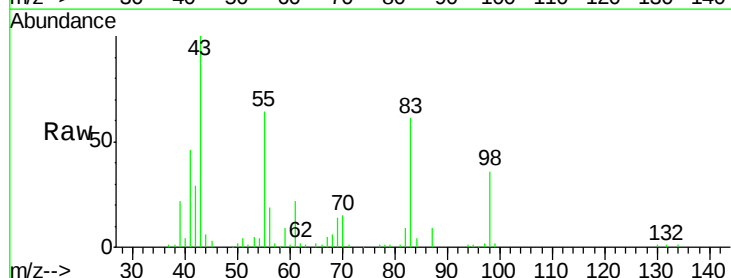
Tgt Ion: 83 Resp: 179465

Ion Ratio Lower Upper

83 100

55 104.7 0.0 207.2

98 58.4 0.0 108.4



Abundance Ion 83.00 (82.70 to 83.70): VH

Ion 55.00 (54.70 to 55.70): VH

Ion 98.00 (97.70 to 98.70): VH

5.41

80000

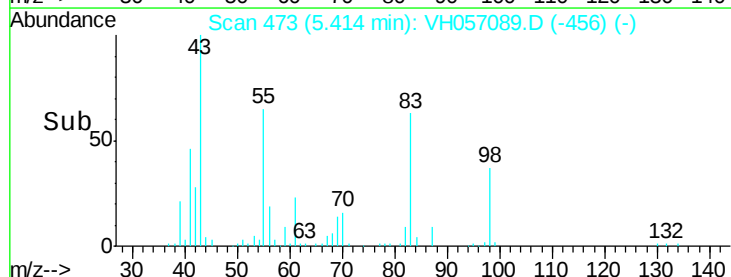
60000

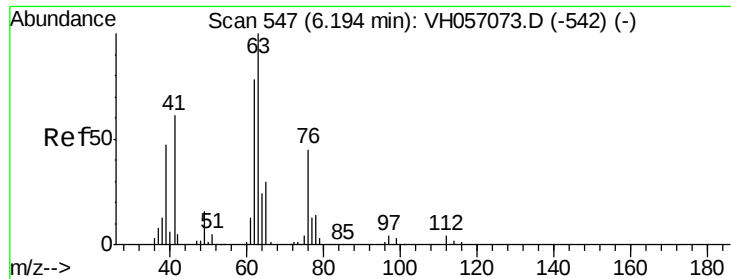
40000

20000

0

Time-->





#45

1,2-Dichloropropane

Concen: 21.75 ug/l

RT: 6.18 min Scan# 546

Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 63 Resp: 231311

Ion Ratio Lower Upper

63 100

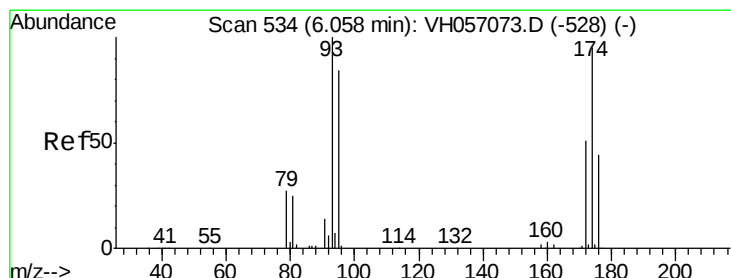
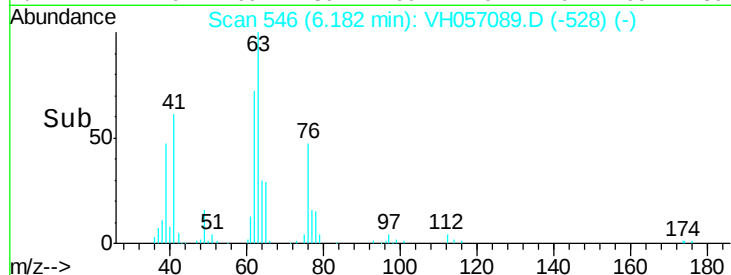
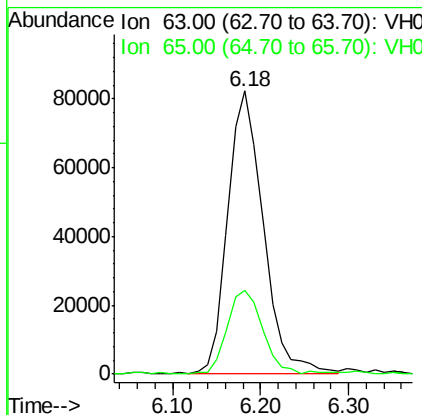
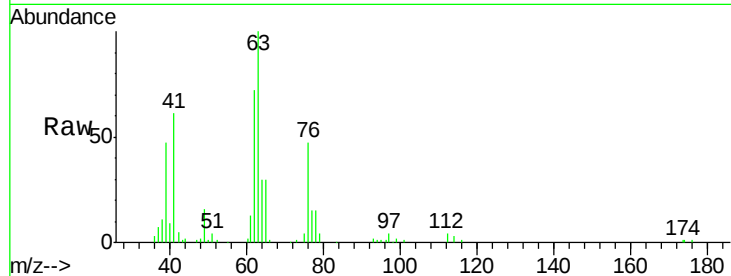
65 29.6 23.8 35.8

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#46

Dibromomethane

Concen: 20.65 ug/l

RT: 6.03 min Scan# 532

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

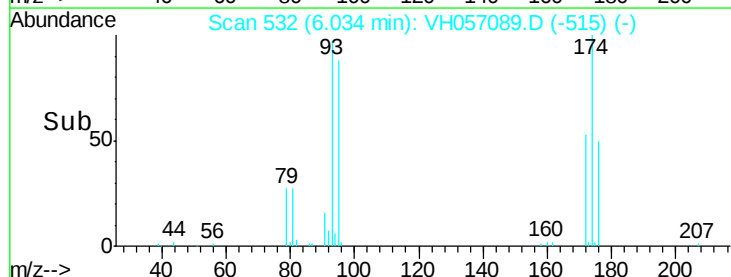
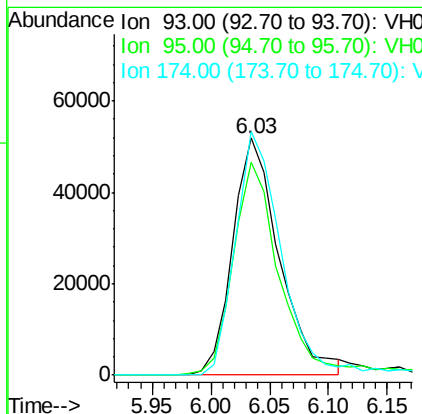
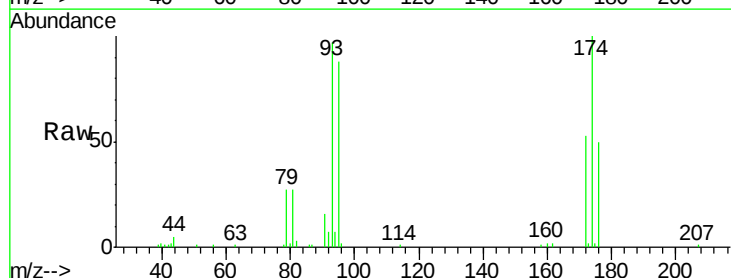
Tgt Ion: 93 Resp: 142884

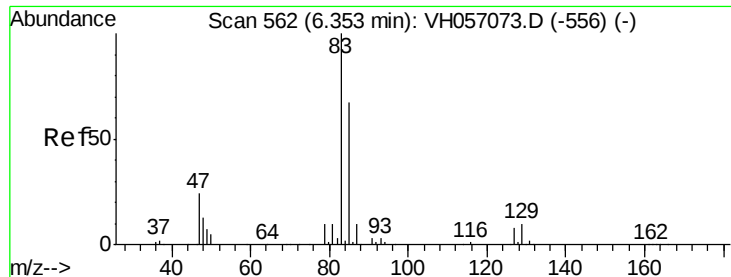
Ion Ratio Lower Upper

93 100

95 89.9 69.5 104.3

174 102.7 75.8 113.6





#47

Bromodichloromethane

Concen: 21.92 ug/l

RT: 6.33 min Scan# 560

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

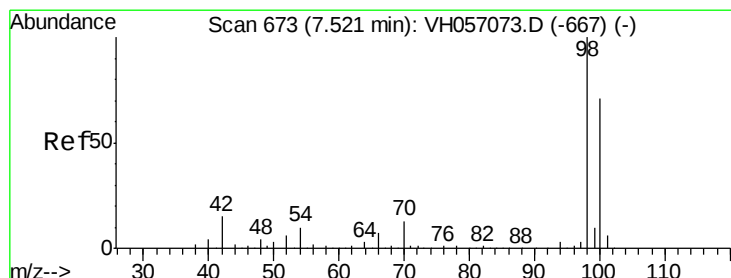
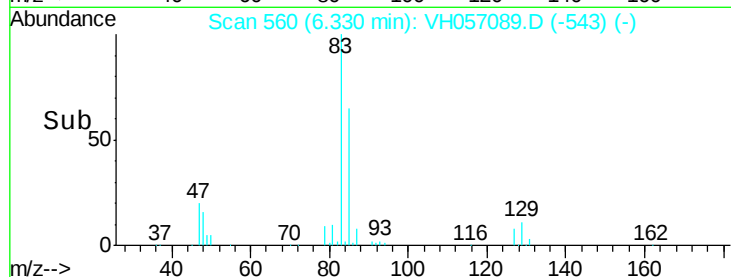
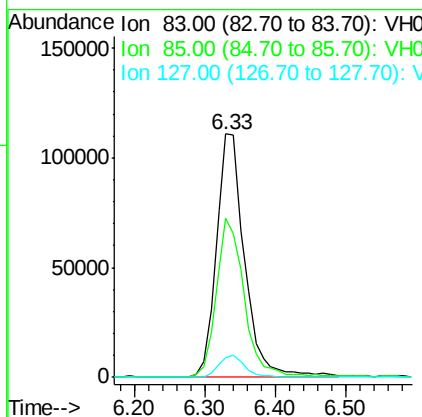
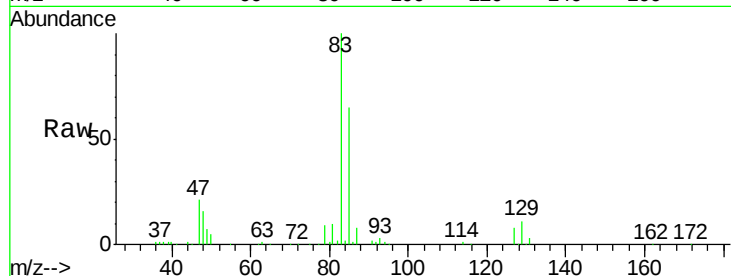
ClientSampleId :

VH0921MBS01

Tot Ion:	83	Resp:	310650
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8
127	8.3	6.8	10.2

Manual Integrations
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#48

Toluene-d8

Concen: 45.78 ug/l

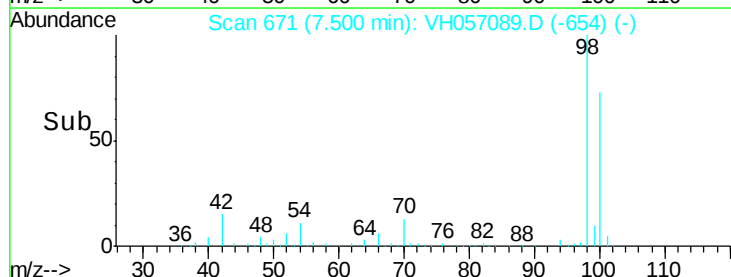
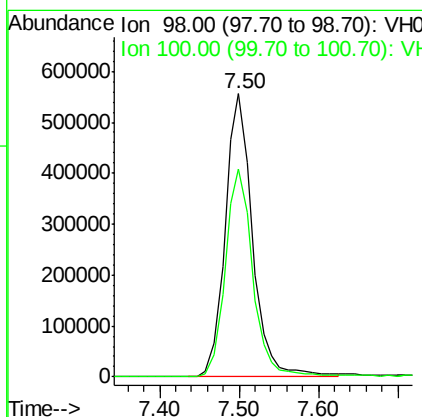
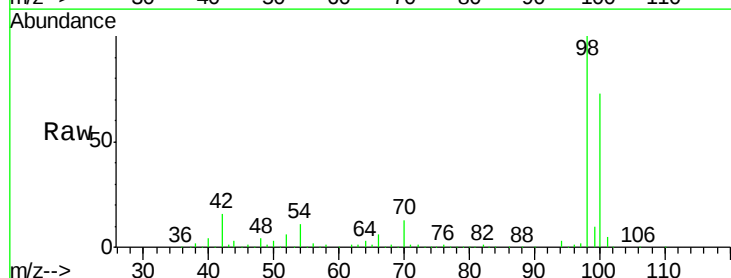
RT: 7.50 min Scan# 671

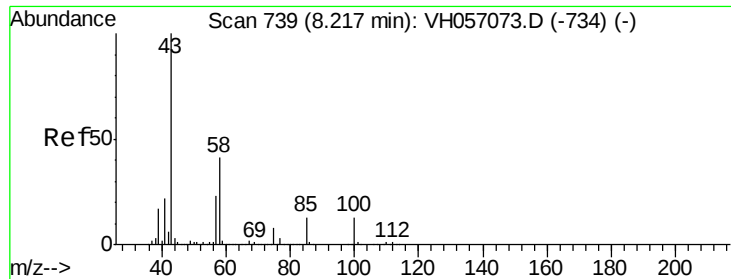
Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:	98	Resp:	1343889
Ion	Ratio	Lower	Upper
98	100		
100	73.2	56.7	85.1





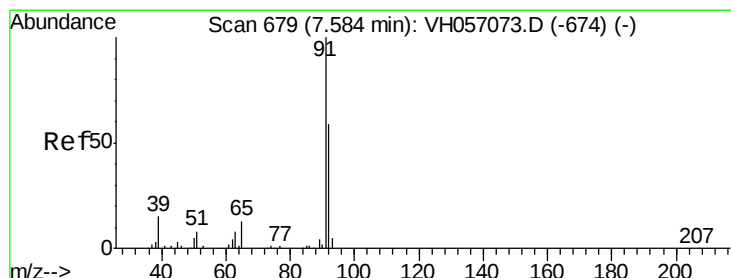
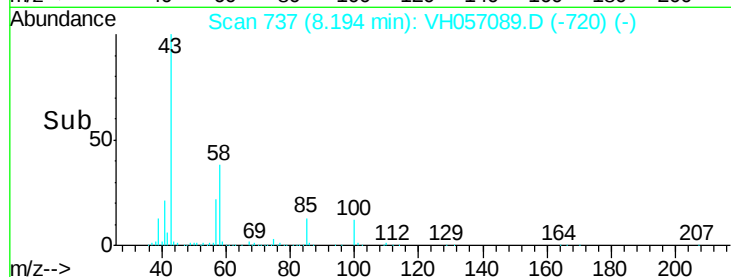
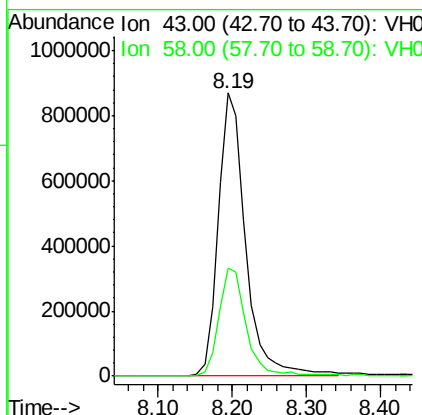
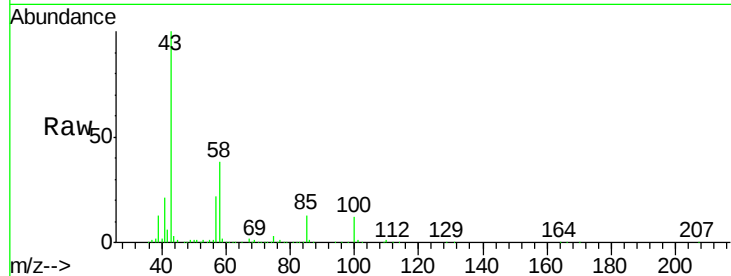
#49
 4-Methyl-2-Pentanone
 Concen: 107.50 ug/l
 RT: 8.19 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion: 43 Resp: 2248939
 Ion Ratio Lower Upper
 43 100
 58 38.0 20.0 60.0

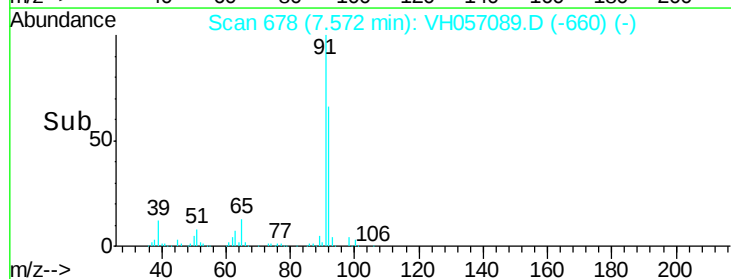
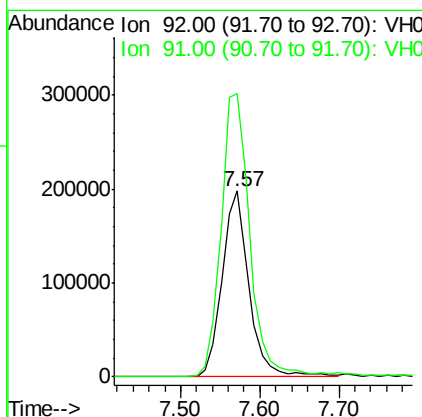
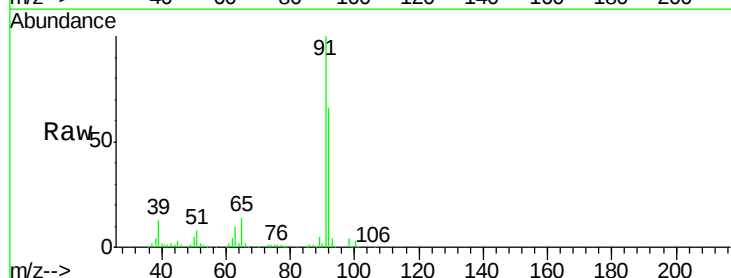
Manual Integrations
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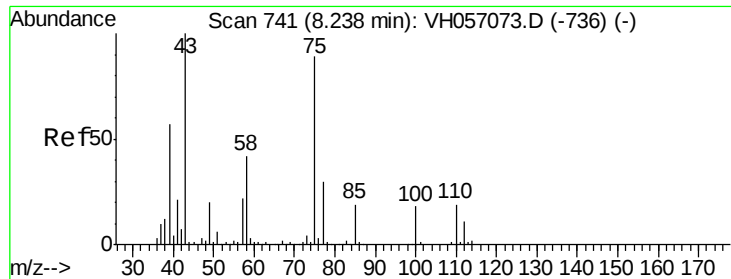
MMDadoda
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#50
 Toluene
 Concen: 22.00 ug/l
 RT: 7.57 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion: 92 Resp: 472624
 Ion Ratio Lower Upper
 92 100
 91 152.2 125.8 188.6





#51

t-1,3-Dichloropropene

Concen: 21.96 ug/l

RT: 8.22 min Scan# 739

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tot Ion: 75 Resp: 356712

Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.2

Instrument :

MSVOA_H

ClientSampleId :

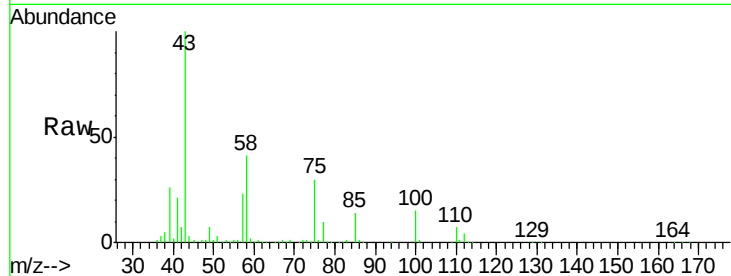
VH0921MBS01

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Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0

150000

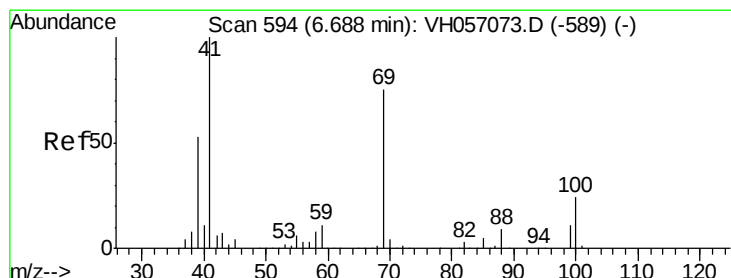
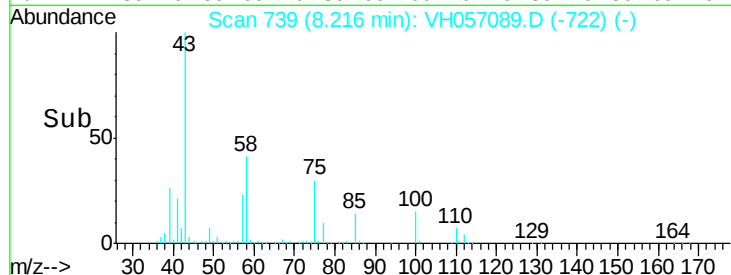
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Methyl Methacrylate

Concen: 21.51 ug/l

RT: 6.67 min Scan# 592

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

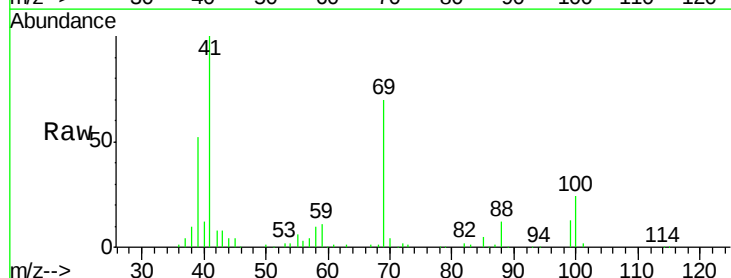
Tgt Ion: 69 Resp: 226434

Ion Ratio Lower Upper

69 100

41 143.8 70.0 209.8

39 74.2 37.5 112.5



Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

150000

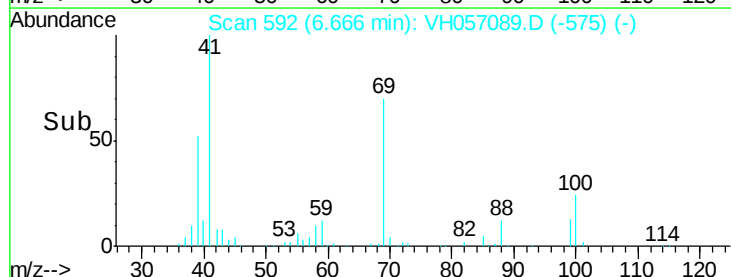
100000

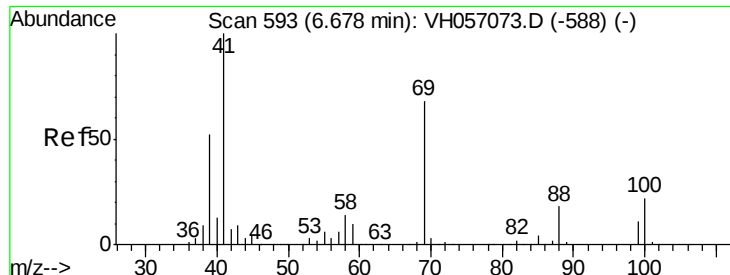
50000

0

6.60 6.70 6.80

Time-->





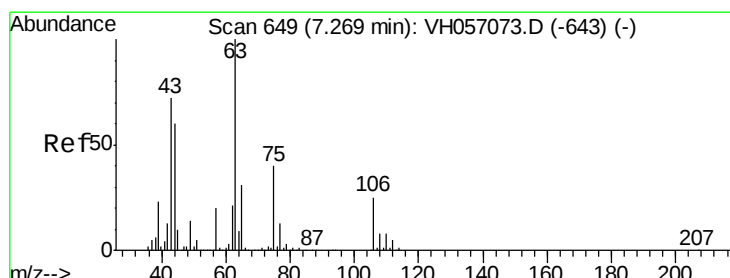
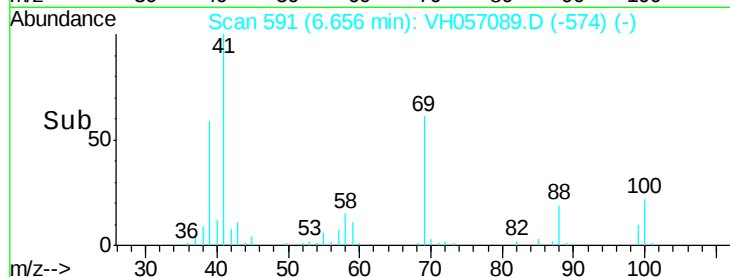
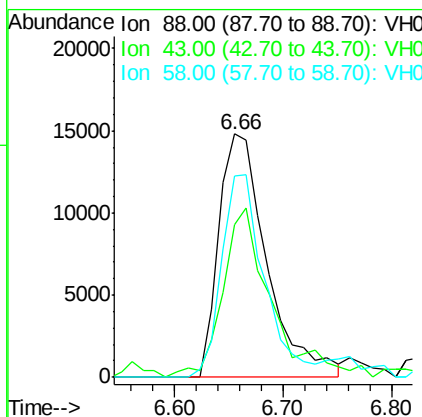
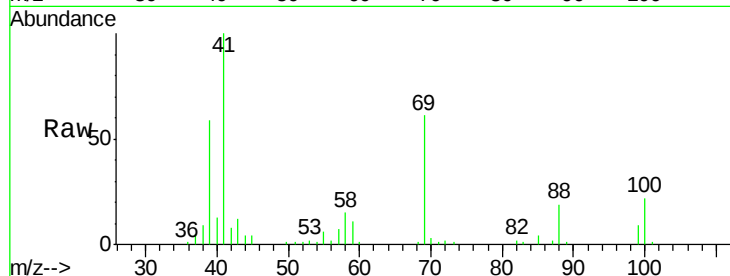
#53
1,4-Dioxane
Concen: 367.81 ug/l
RT: 6.66 min Scan# 591
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	45411		
43	62.9	39.6	59.4#	
58	82.8	61.4	92.2	

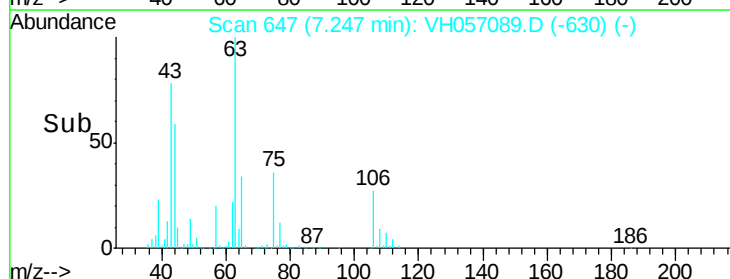
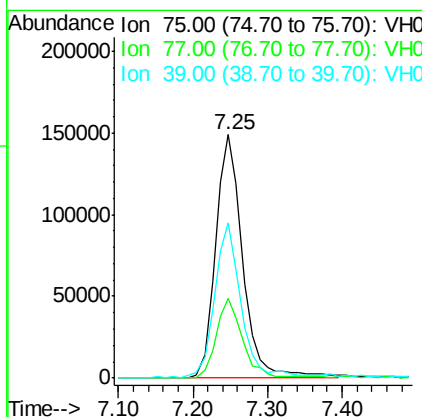
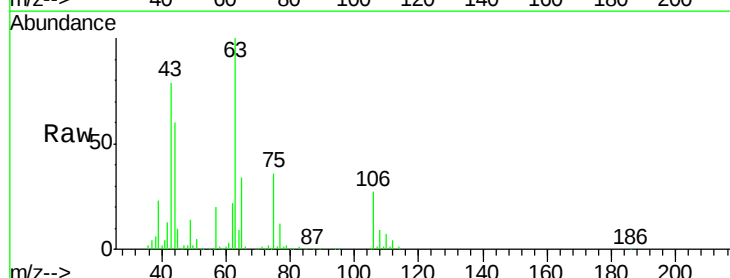
Manual Integrations
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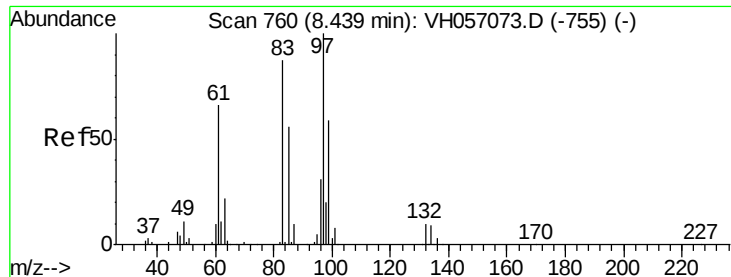
MMDadoda
9/22/2015 2:54:32 PM



#54
cis-1,3-Dichloropropene
Concen: 21.62 ug/l
RT: 7.25 min Scan# 647
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	373019		
77	32.6	25.2	37.8	
39	63.8	50.7	76.1	





#55

1,1,2-Trichloroethane

Concen: 22.61 ug/l

RT: 8.43 min Scan# 759

Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

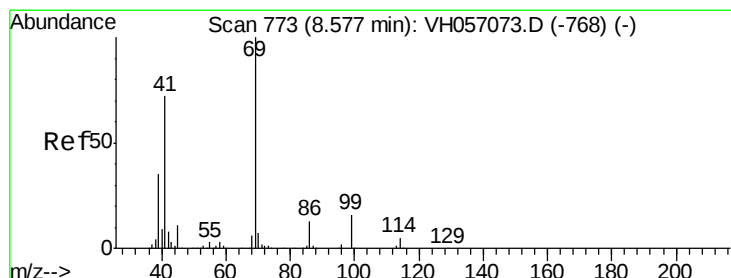
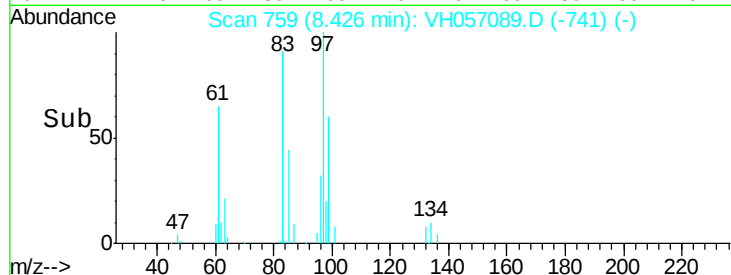
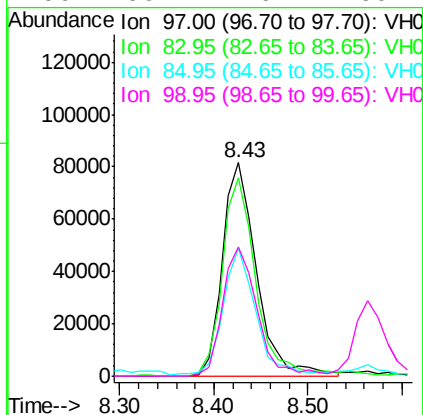
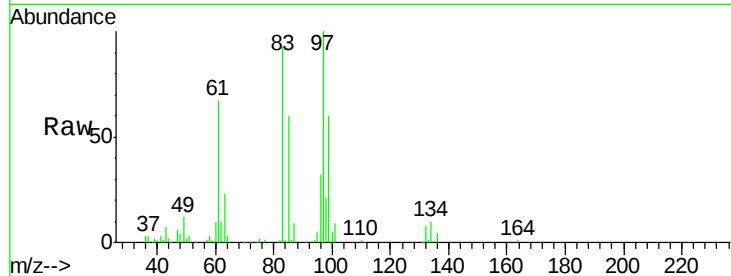
ClientSampleId :

VH0921MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		206202		
83	92.7	72.7	109.1		
85	59.9	45.5	68.3		
99	60.4	46.2	69.2		

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#56

Ethyl Methacrylate

Concen: 20.71 ug/l

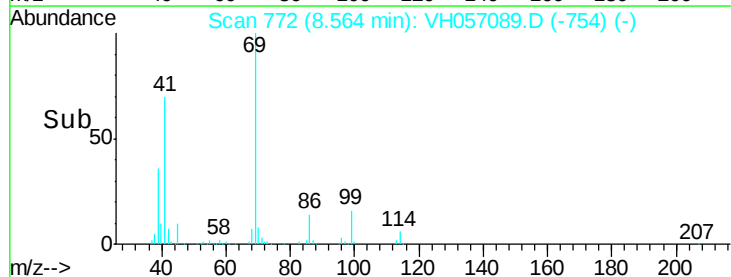
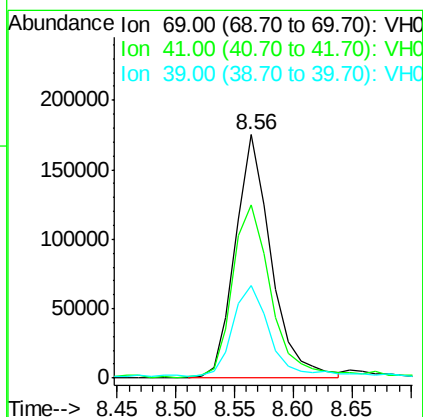
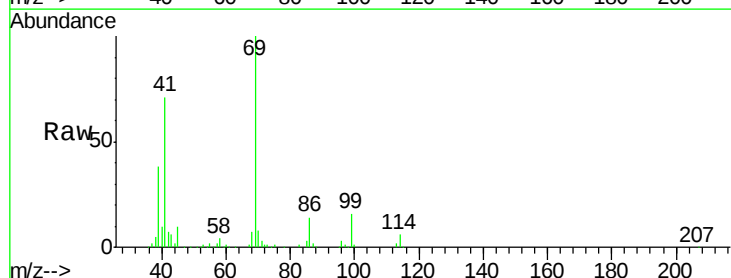
RT: 8.56 min Scan# 772

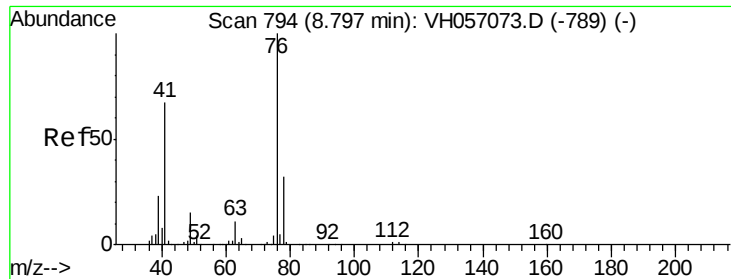
Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		372979		
41	70.9	39.1	117.3		
39	37.9	19.2	57.6		





#57

1,3-Dichloropropane

Concen: 21.15 ug/l

RT: 8.79 min Scan# 793

Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 76 Resp: 392249

Ion Ratio Lower Upper

76 100

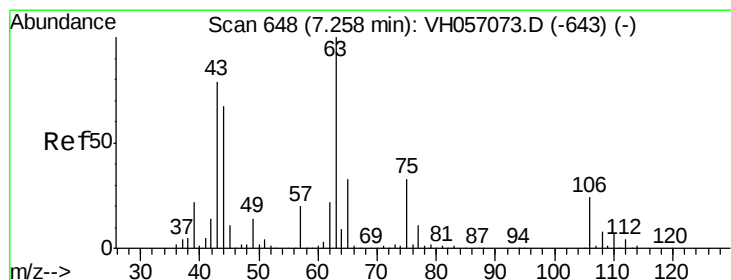
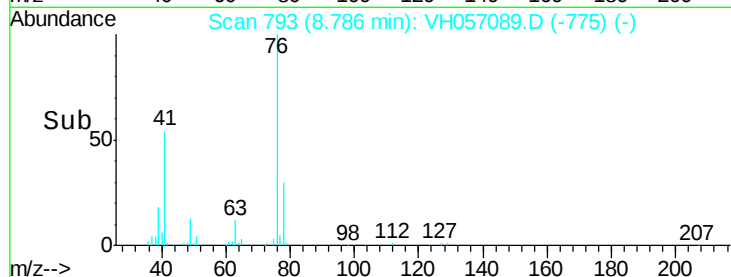
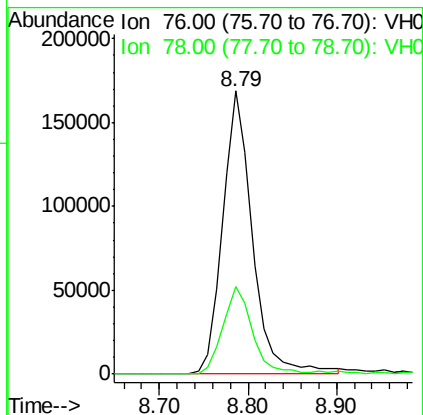
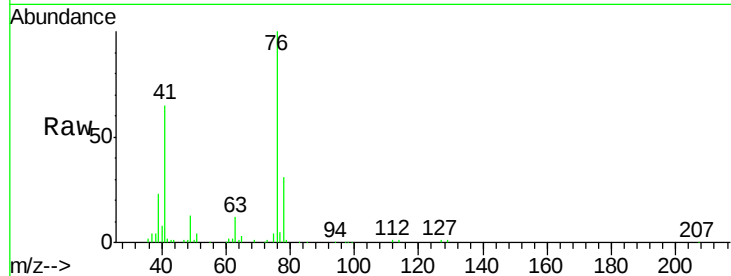
78 30.7 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 127.76 ug/l

RT: 7.24 min Scan# 646

Delta R.T. -0.02 min

Lab File: VH057089.D

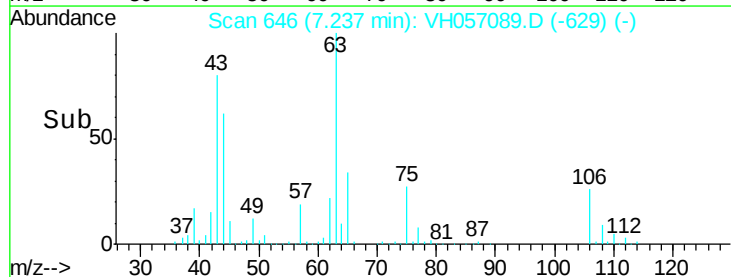
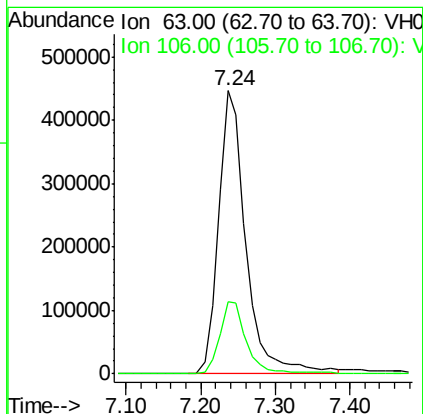
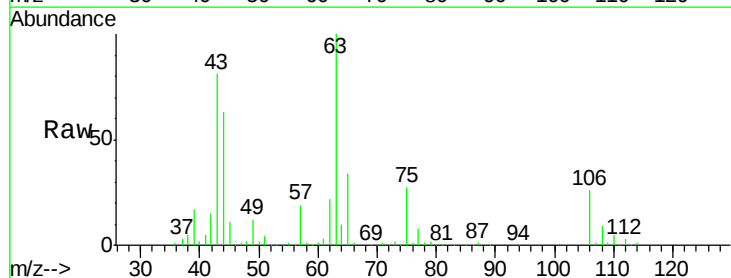
Acq: 21 Sep 2015 12:29

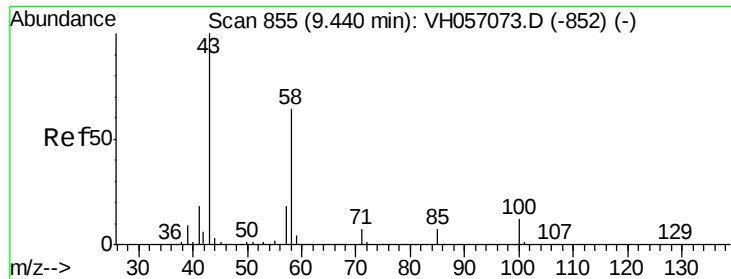
Tgt Ion: 63 Resp: 1137763

Ion Ratio Lower Upper

63 100

106 25.7 18.0 27.0





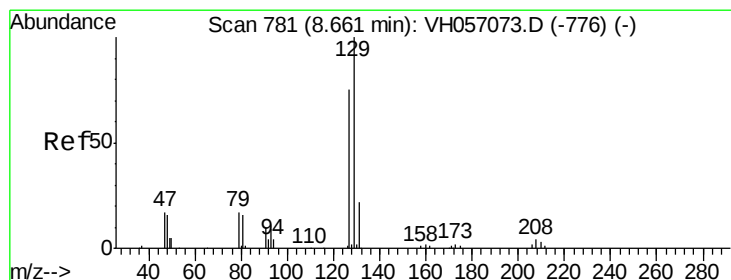
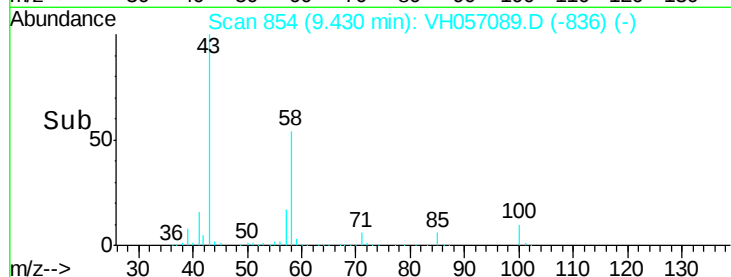
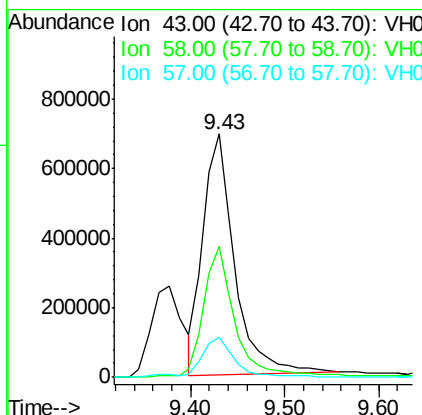
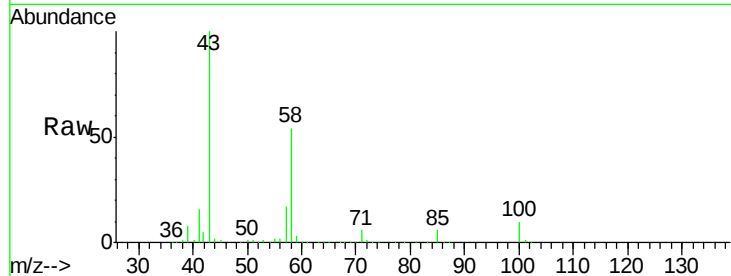
#59
2-Hexanone
Concen: 98.49 ug/l
RT: 9.43 min Scan# 854
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion: 43 Resp: 1609935
Ion Ratio Lower Upper
43 100
58 53.8 27.1 81.2
57 16.5 8.1 24.3

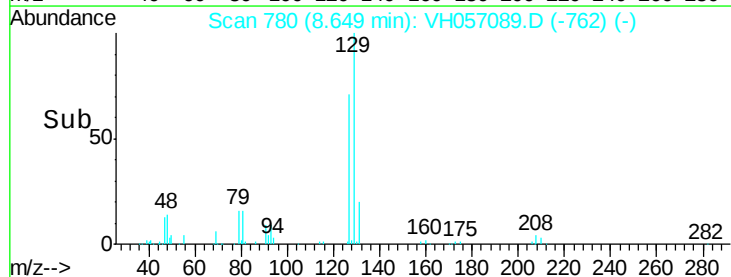
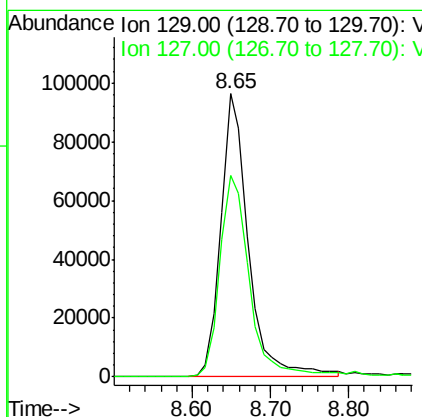
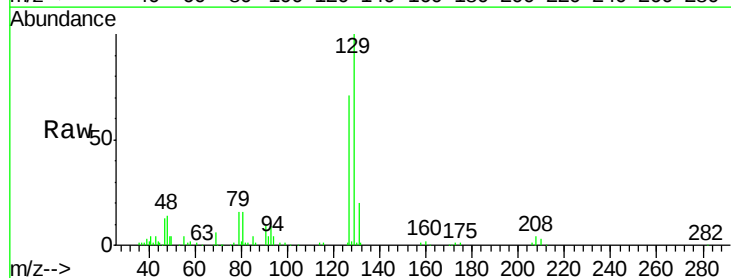
Manual Integrations
APPROVED

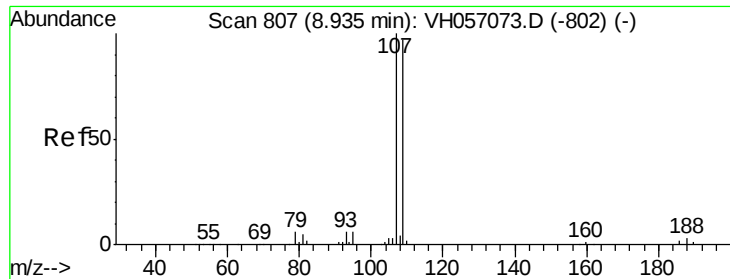
MMDadoda
9/22/2015 2:54:32 PM



#60
Dibromochloromethane
Concen: 22.83 ug/l
RT: 8.65 min Scan# 780
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion: 129 Resp: 236062
Ion Ratio Lower Upper
129 100
127 71.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.97 ug/l

RT: 8.91 min Scan# 805

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion:107 Resp: 220074

Ion Ratio Lower Upper

107 100

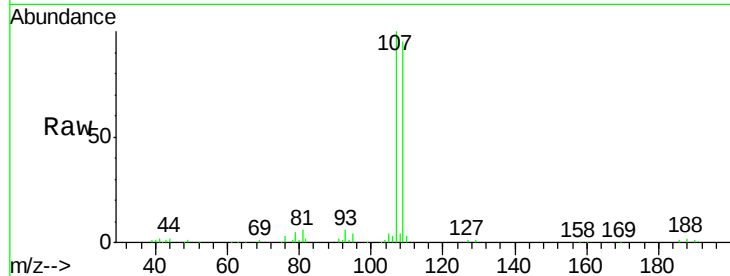
109 95.5 77.7 116.5

Manual Integrations

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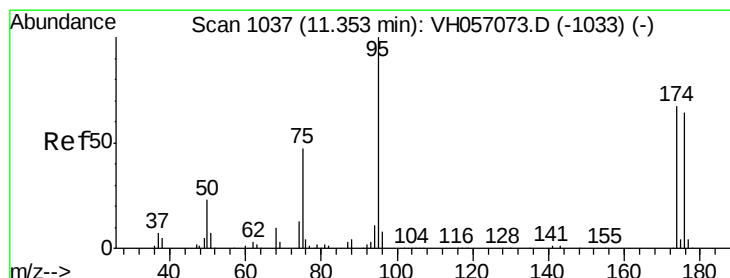
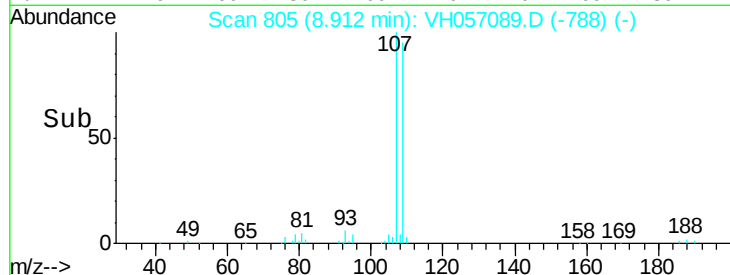
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.91

8.85 8.90 8.95 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 48.04 ug/l

RT: 11.35 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

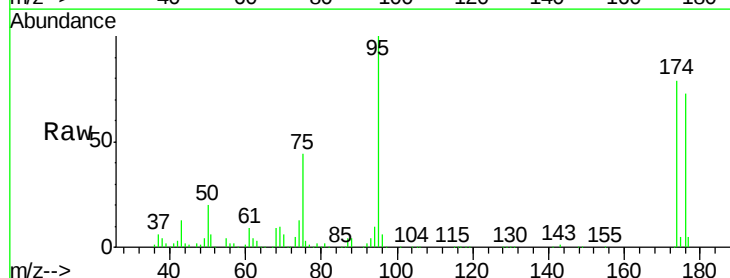
Tgt Ion: 95 Resp: 475585

Ion Ratio Lower Upper

95 100

174 79.0 58.4 87.6

176 73.0 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): V

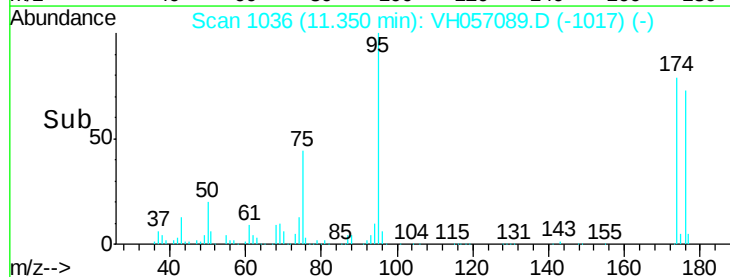
Ion 174.00 (173.70 to 174.70): V

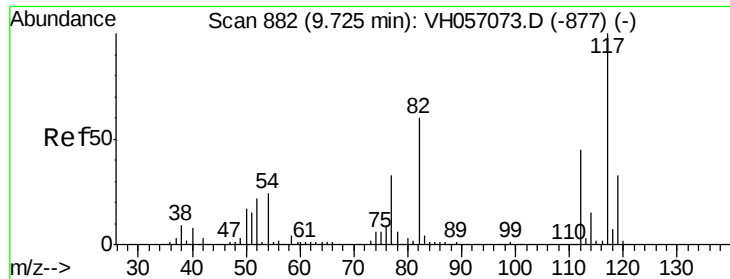
Ion 176.00 (175.70 to 176.70): V

11.35

11.30 11.40 11.50

Time-->





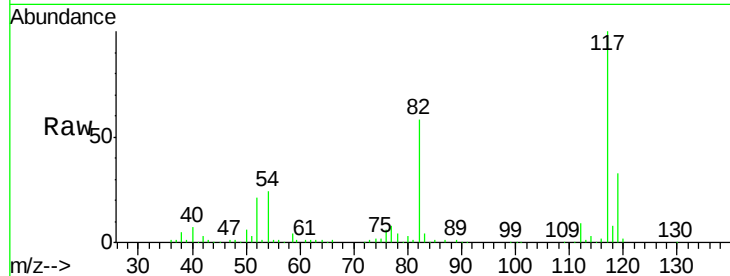
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 880
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

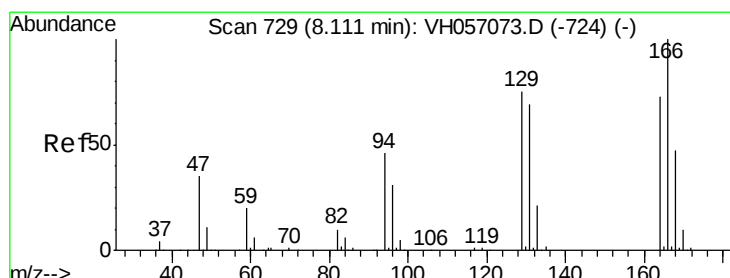
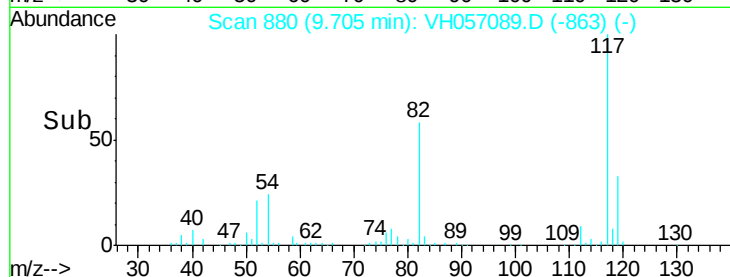
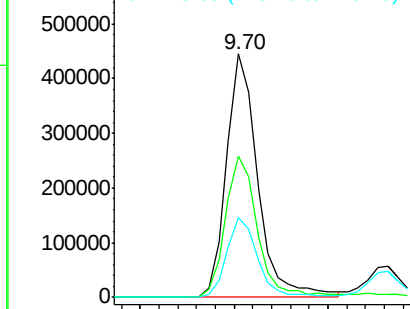
Tot Ion:117 Resp: 1036969
Ion Ratio Lower Upper
117 100
82 58.0 51.0 76.6
119 32.7 26.7 40.1

Manual Integrations
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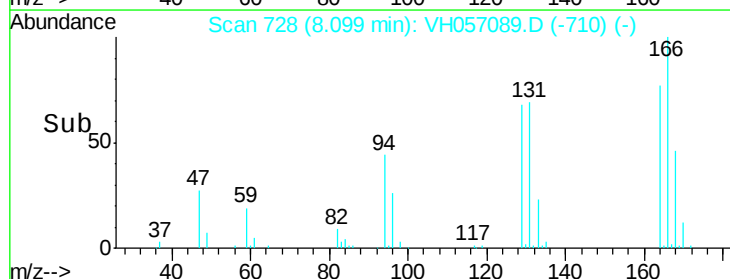
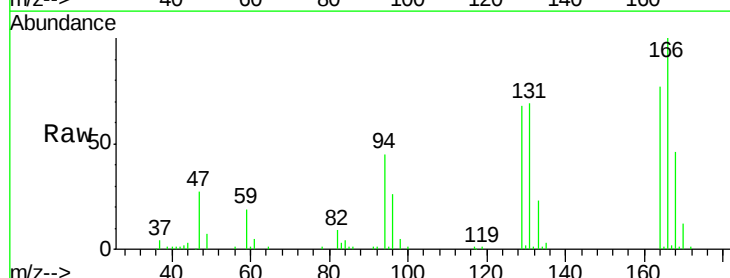
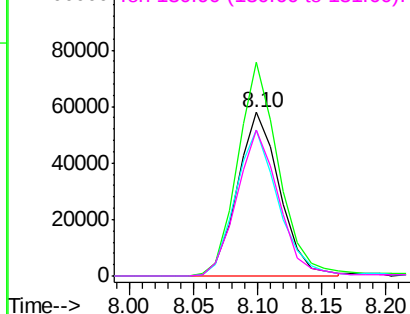
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

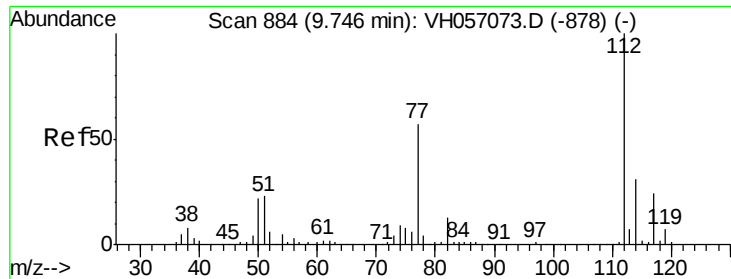


#64
Tetrachloroethene
Concen: 22.71 ug/l
RT: 8.10 min Scan# 728
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion:164 Resp: 133457
Ion Ratio Lower Upper
164 100
166 130.5 103.2 154.8
129 89.0 73.4 110.0
131 89.5 70.8 106.2

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





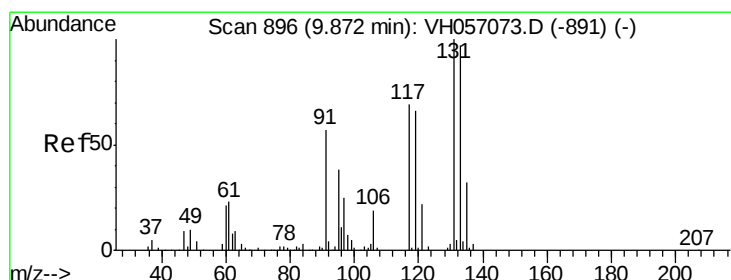
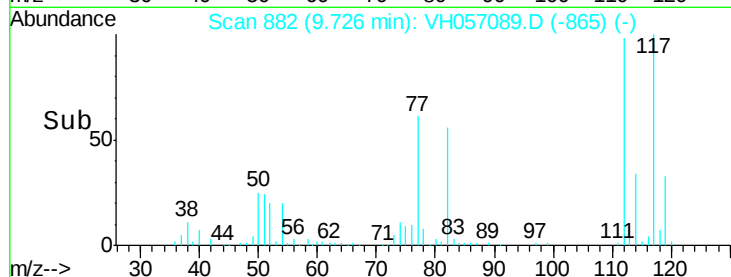
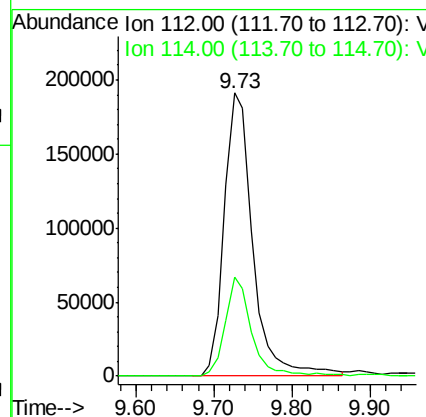
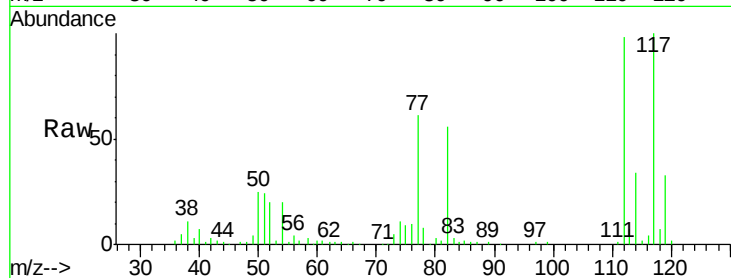
#65
Chlorobenzene
Concen: 21.62 ug/l
RT: 9.73 min Scan# 882
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.2	26.3	39.5

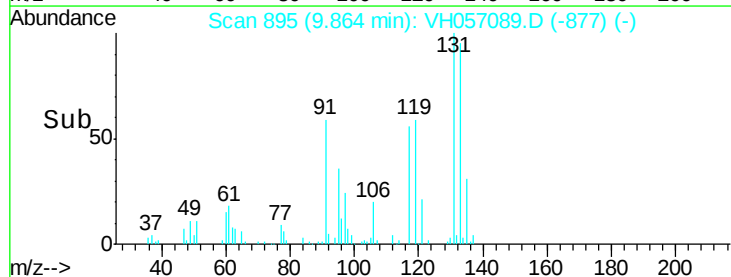
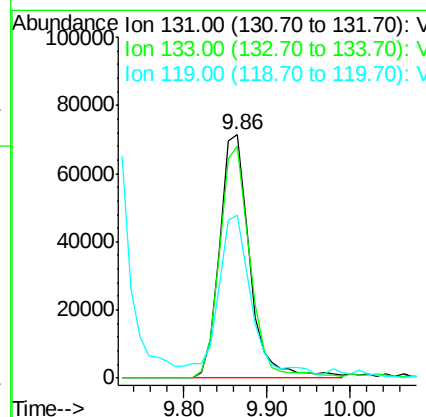
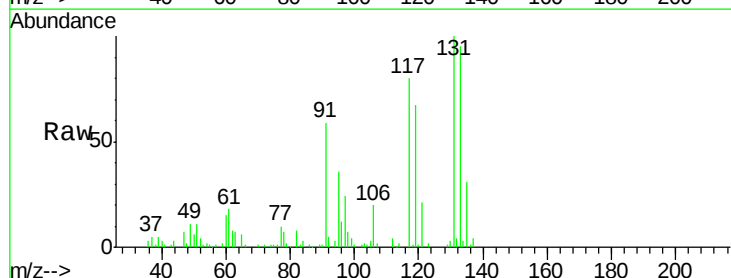
Manual Integrations
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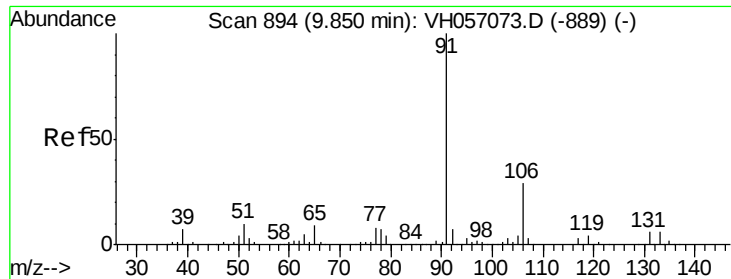
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.85 ug/l
RT: 9.86 min Scan# 895
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	51.1	153.3
119	66.9	36.3	108.9





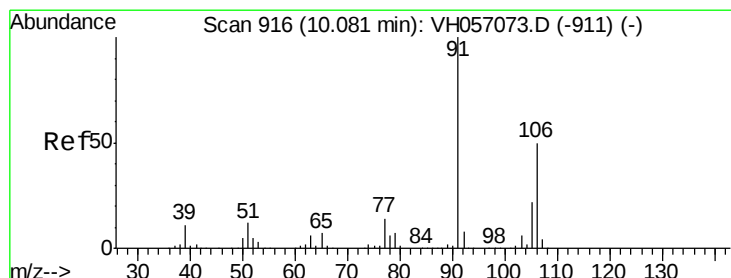
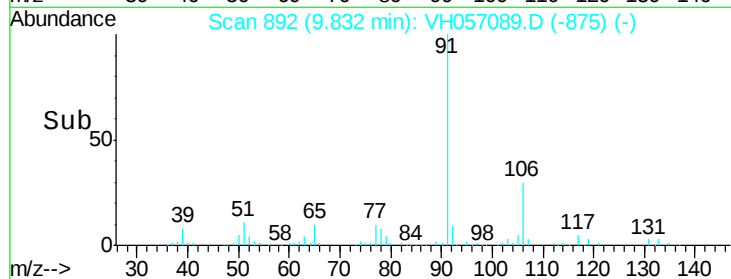
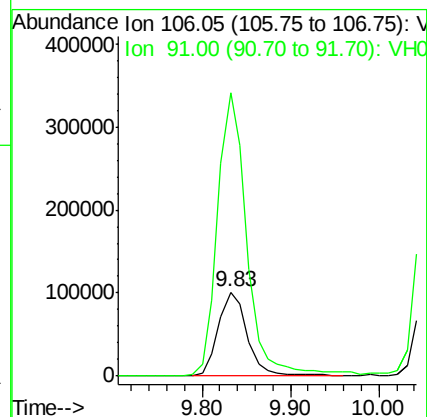
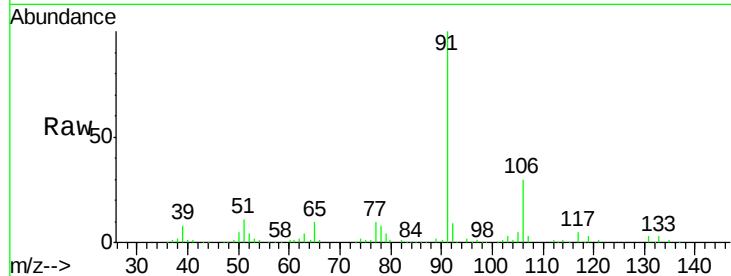
#67
Ethyl Benzene
Concen: 21.46 ug/l
RT: 9.83 min Scan# 892
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion:106 Resp: 231765
Ion Ratio Lower Upper
106 100
91 335.8 264.9 397.3

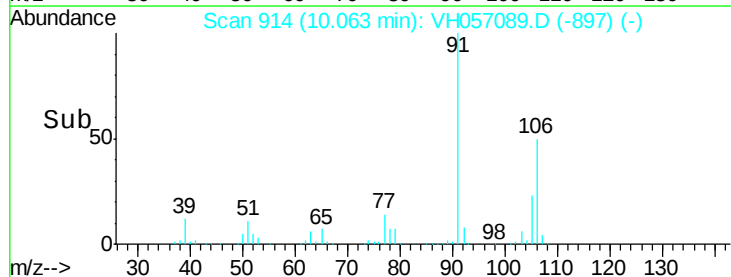
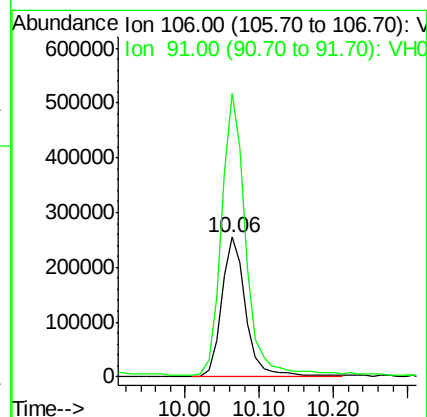
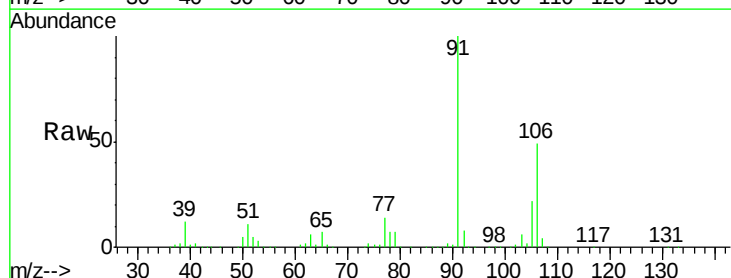
Manual Integrations
APPROVED

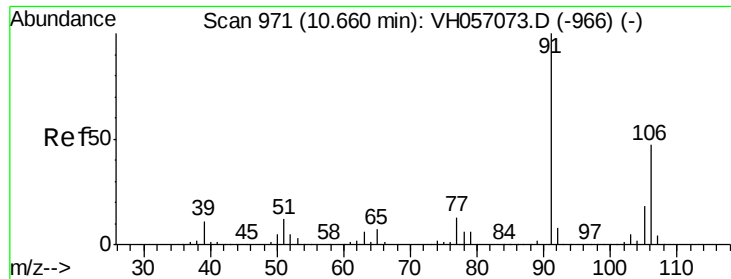
MMDadoda
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#68
m/p-Xylenes
Concen: 44.52 ug/l
RT: 10.06 min Scan# 914
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion:106 Resp: 584850
Ion Ratio Lower Upper
106 100
91 202.3 164.4 246.6





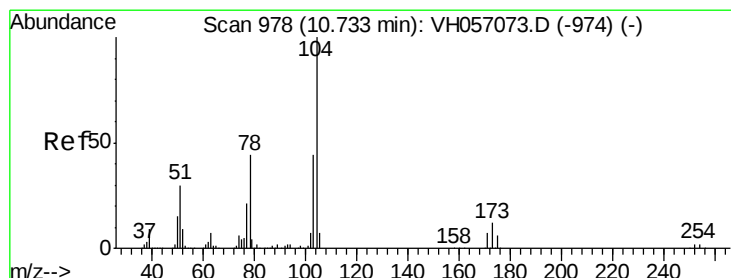
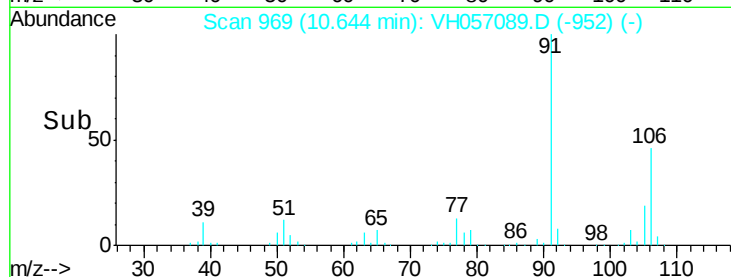
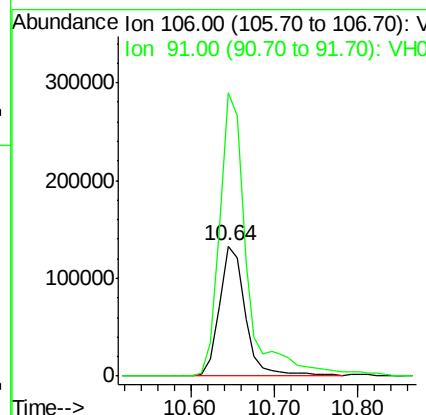
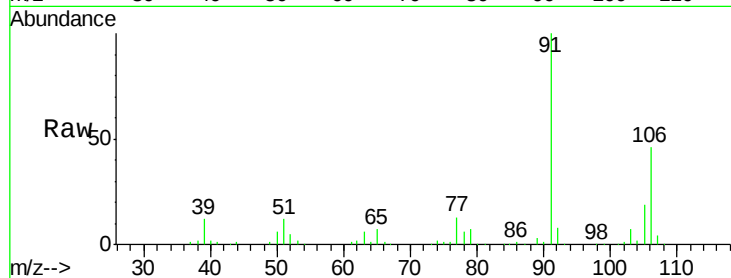
#69
o-Xylene
Concen: 22.60 ug/l
RT: 10.64 min Scan# 969
Delta R.T. -0.02 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion:106 Resp: 285068
Ion Ratio Lower Upper
106 100
91 217.1 104.2 312.6

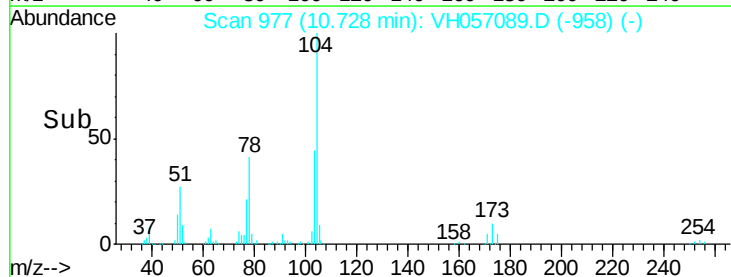
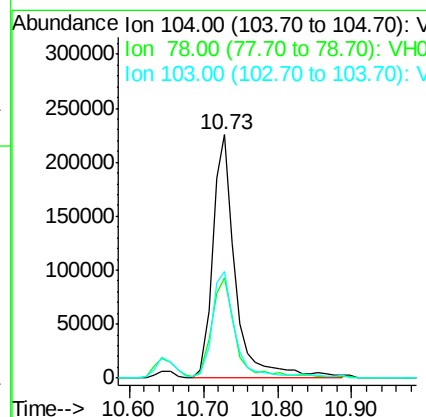
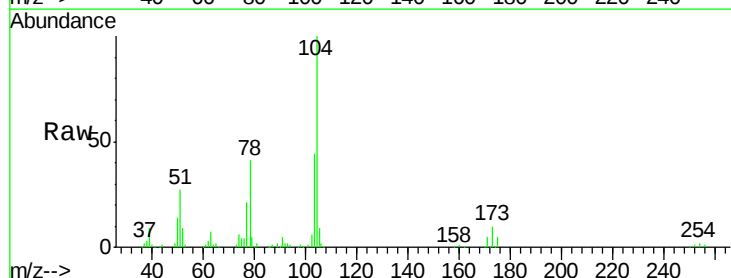
Manual Integrations
APPROVED

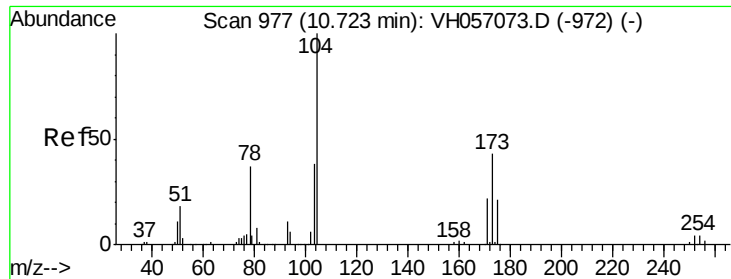
MMDadoda
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#70
Styrene
Concen: 21.57 ug/l
RT: 10.73 min Scan# 977
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion:104 Resp: 475156
Ion Ratio Lower Upper
104 100
78 41.2 35.2 52.8
103 43.7 35.8 53.6





#71

Bromoform

Concen: 22.78 ug/l

RT: 10.71 min Scan# 975

Delta R.T. -0.02 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

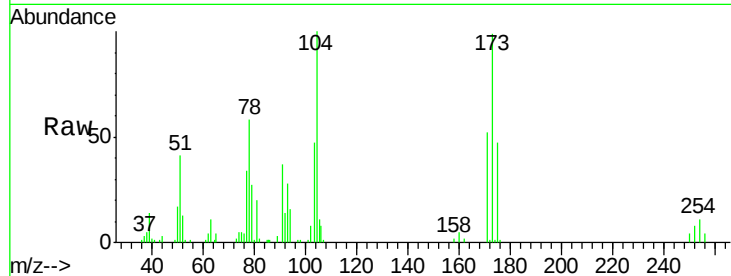
ClientSampleId :

VH0921MBS01

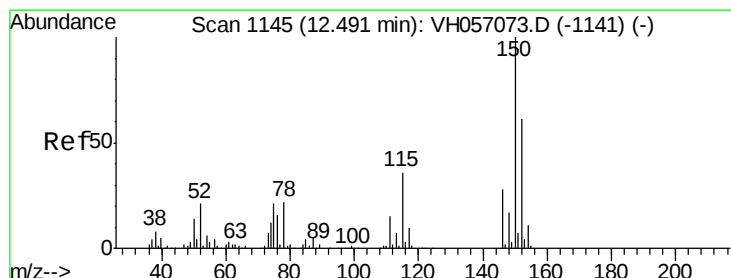
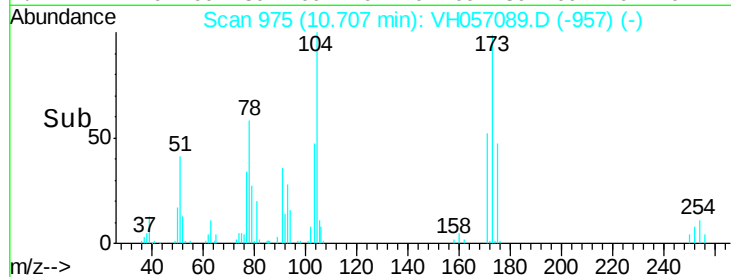
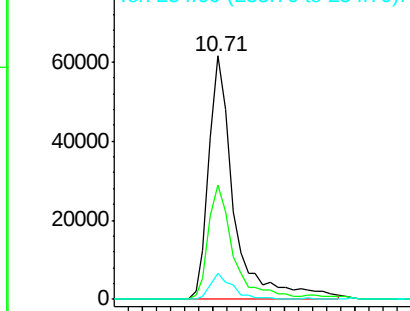
Tot Ion:173	Resp:	151787
Ion Ratio	Lower	Upper
173	100	
175	47.2	23.3 69.9
254	10.8	4.4 13.2

Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1144

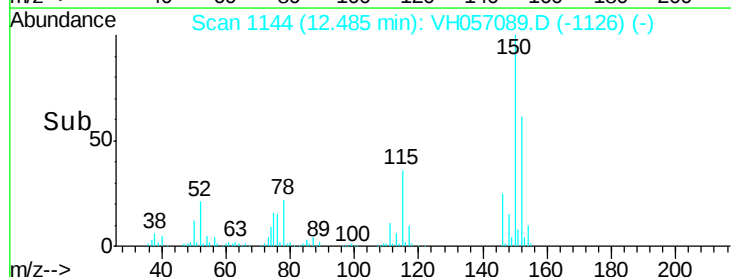
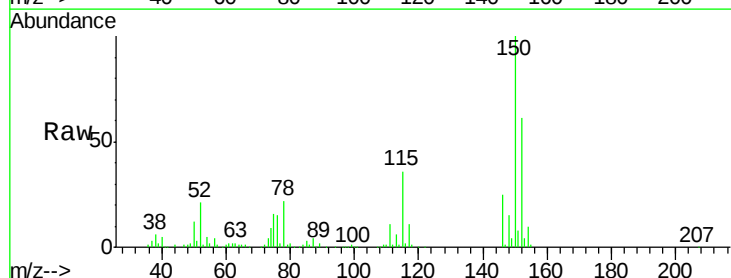
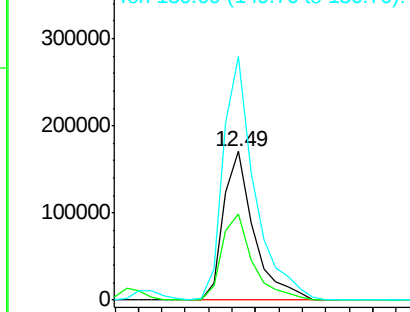
Delta R.T. -0.01 min

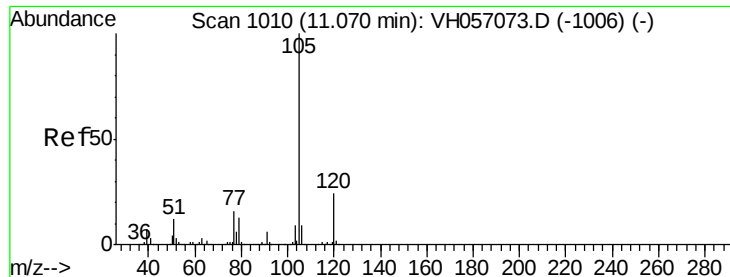
Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:152	Resp:	308278
Ion Ratio	Lower	Upper
152	100	
115	58.3	28.2 84.6
150	164.2	0.0 332.0

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.72 ug/l

RT: 11.07 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion:105 Resp: 611424

Ion Ratio Lower Upper

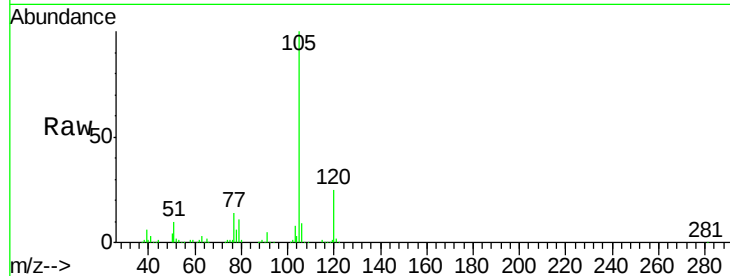
105 100

120 24.6 12.2 36.4

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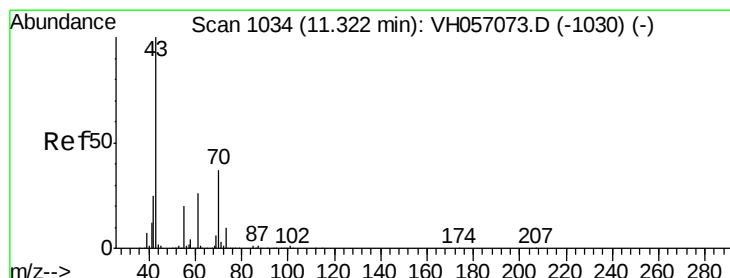
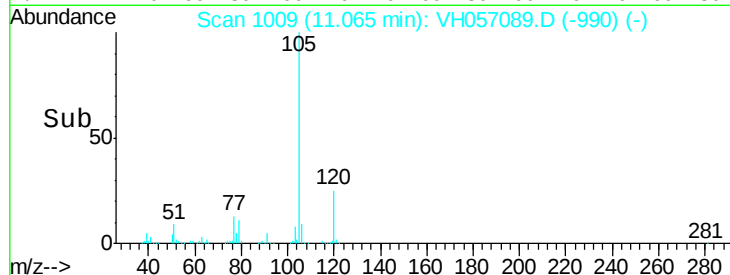
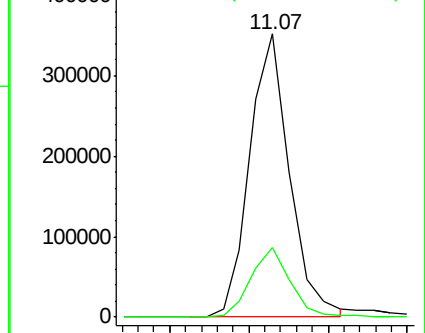
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

n-Amyl Acetate

Concen: 19.89 ug/l

RT: 11.32 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion: 43 Resp: 594890

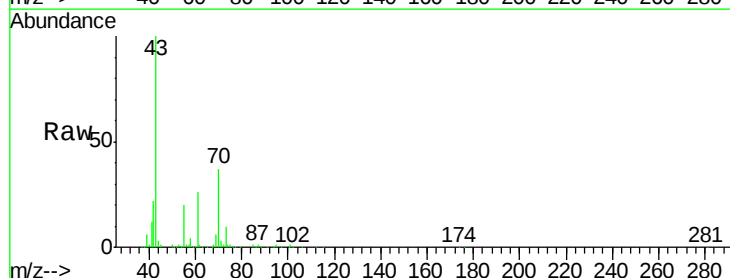
Ion Ratio Lower Upper

43 100

70 36.7 27.3 40.9

55 19.5 15.3 22.9

61 25.9 19.4 29.0

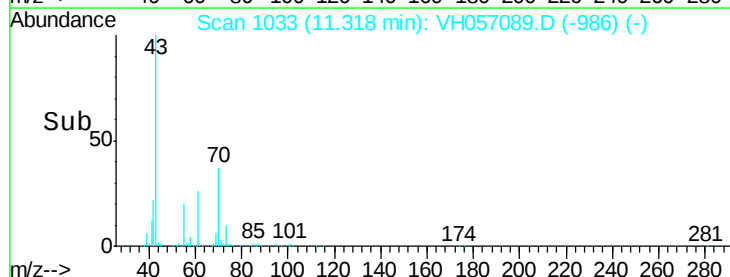
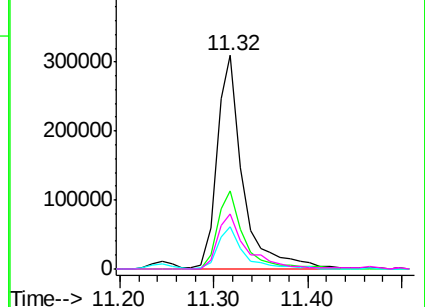


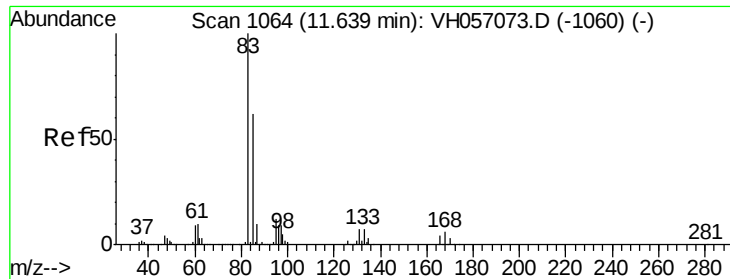
Abundance Ion 43.05 (42.75 to 43.75): V

Ion 70.05 (69.75 to 70.75): V

Ion 55.05 (54.75 to 55.75): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.79 ug/l

RT: 11.63 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

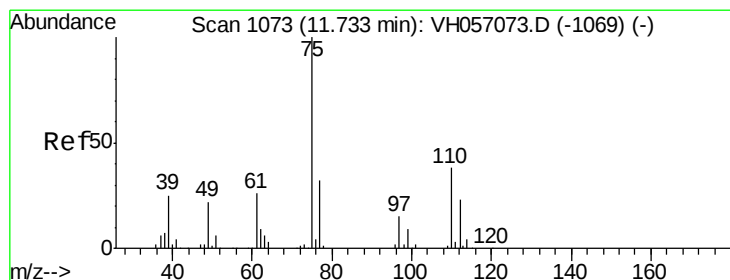
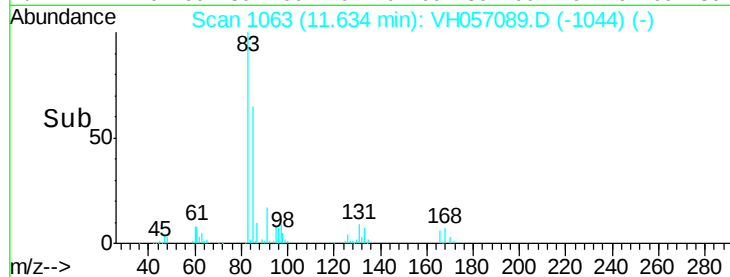
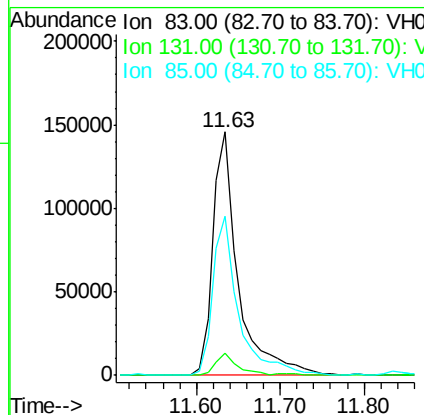
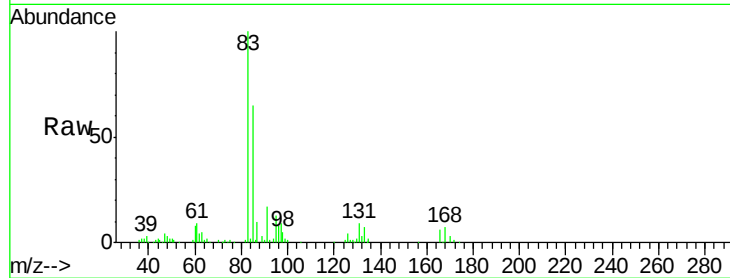
ClientSampleId :

VH0921MBS01

Tot Ion:	83	Resp:	306901
Ion Ratio	Lower	Upper	
83	100		
131	8.9	3.1	9.3
85	65.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.46 ug/l

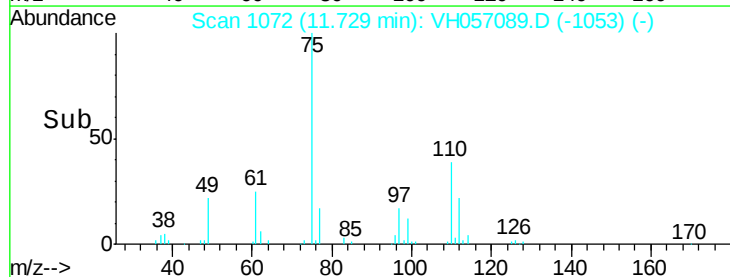
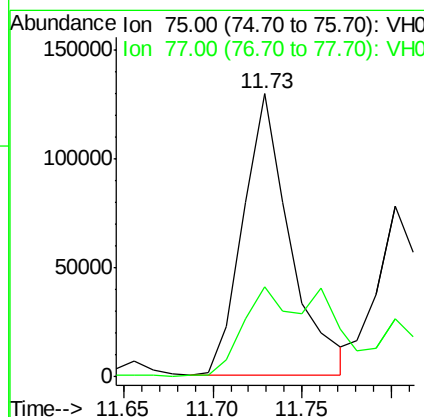
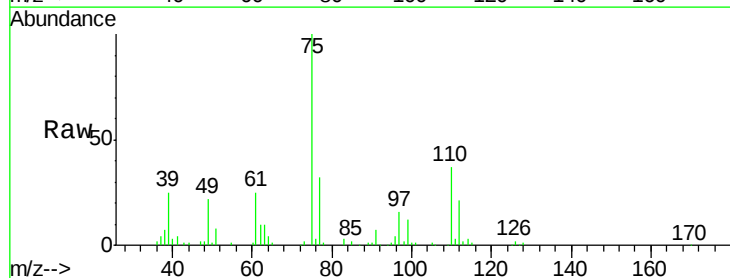
RT: 11.73 min Scan# 1072

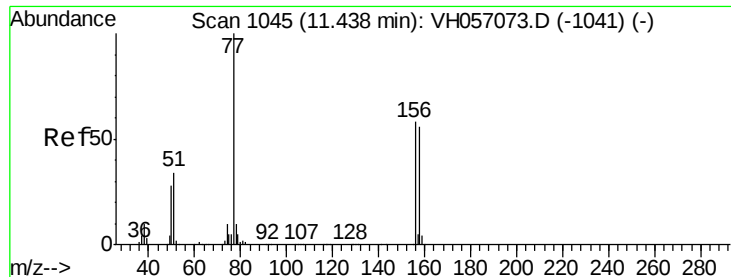
Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:	75	Resp:	236930
Ion Ratio	Lower	Upper	
75	100		
77	31.7	14.9	44.9





#77

Bromobenzene

Concen: 22.67 ug/l

RT: 11.43 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

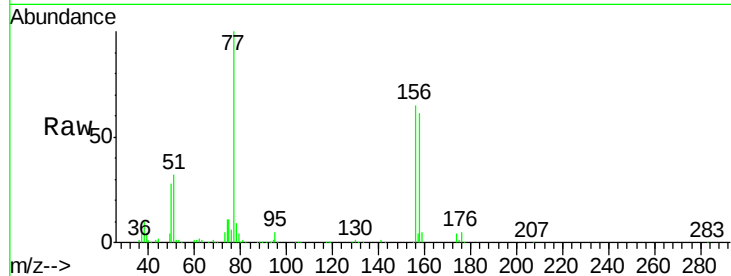
ClientSampleId :

VH0921MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.9	73.5	220.5
158	94.2	46.8	140.3

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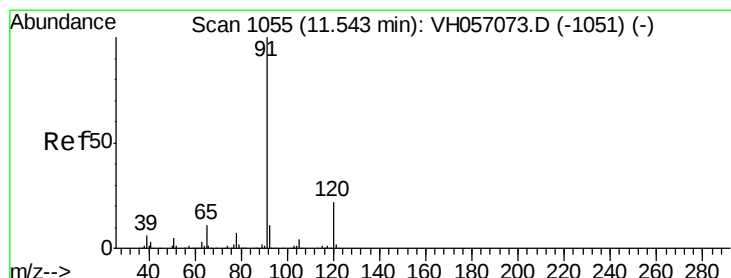
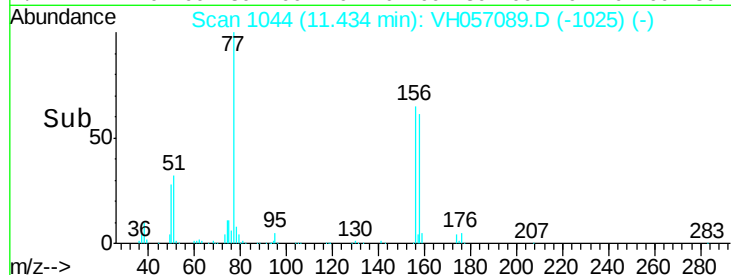
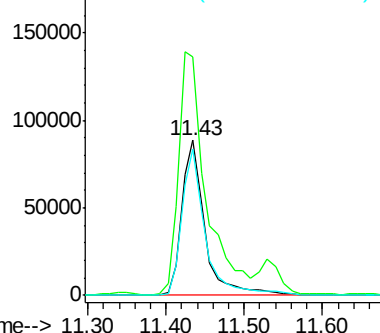
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9/22/2015 2:54:32 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.27 ug/l

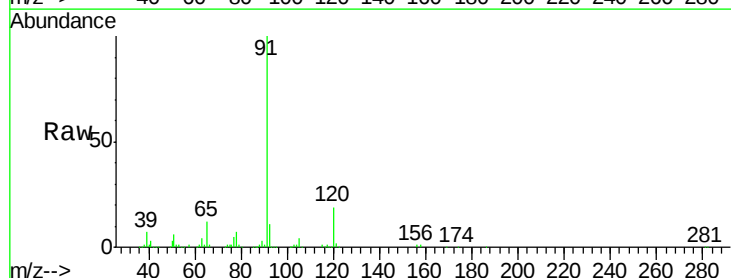
RT: 11.53 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VH057089.D

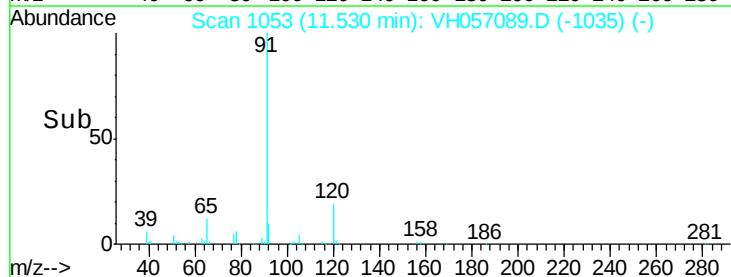
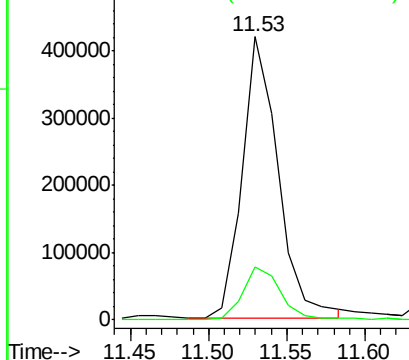
Acq: 21 Sep 2015 12:29

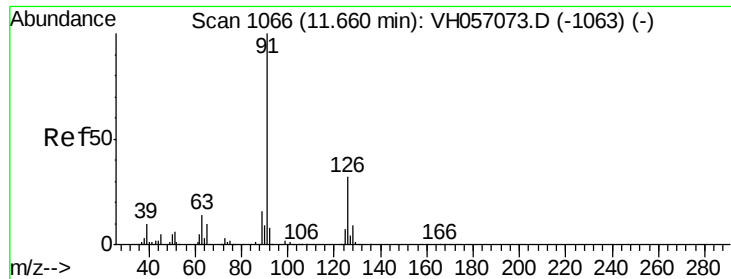
Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.8	10.2	30.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.17 ug/l

RT: 11.66 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS01

Tot Ion: 91 Resp: 384482

Ion Ratio Lower Upper

91 100

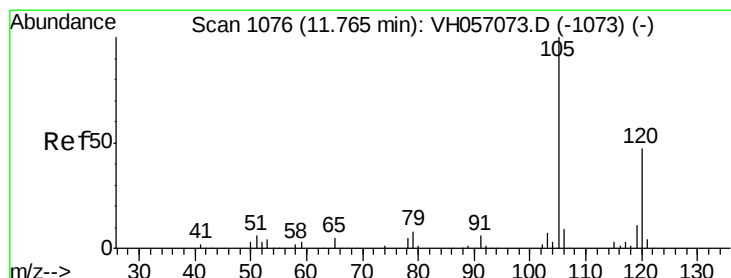
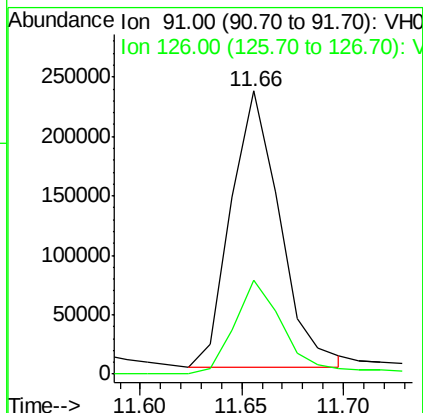
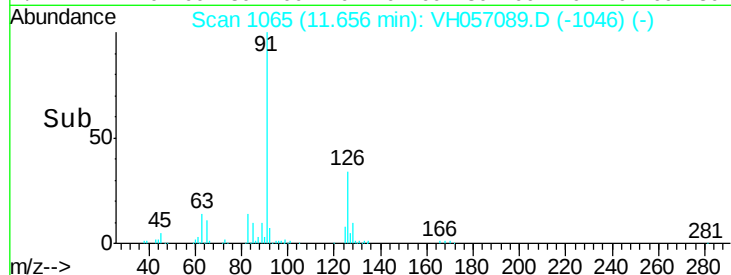
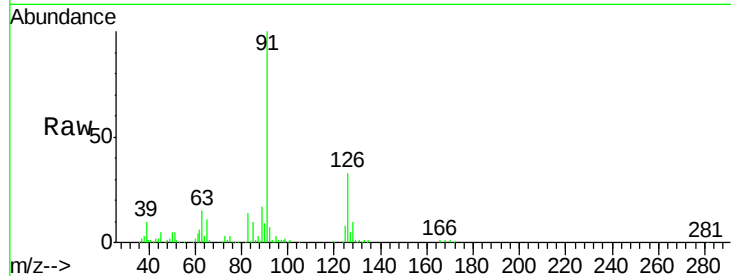
126 33.1 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.92 ug/l

RT: 11.76 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VH057089.D

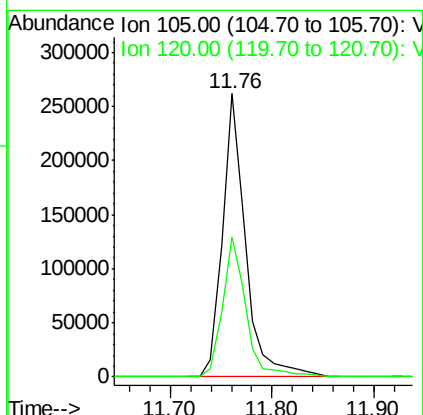
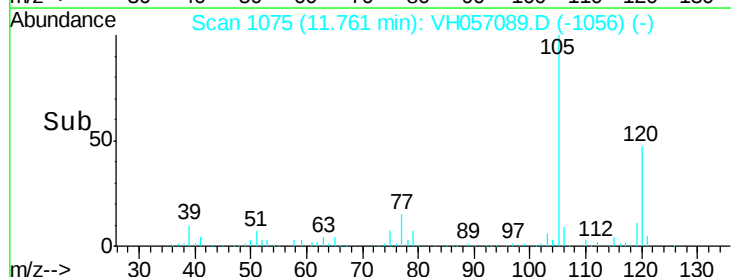
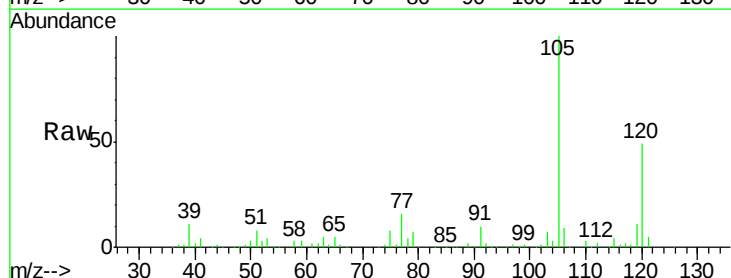
Acq: 21 Sep 2015 12:29

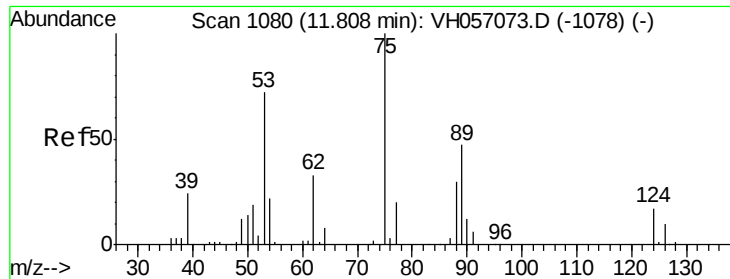
Tgt Ion: 105 Resp: 421753

Ion Ratio Lower Upper

105 100

120 49.4 23.6 71.0





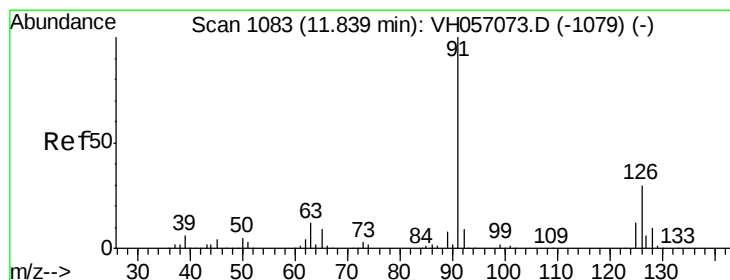
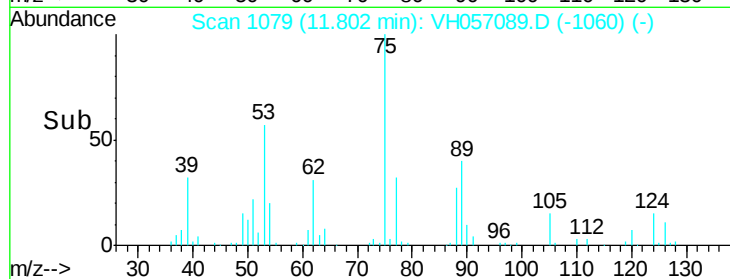
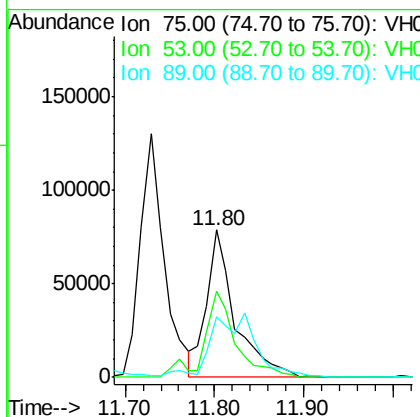
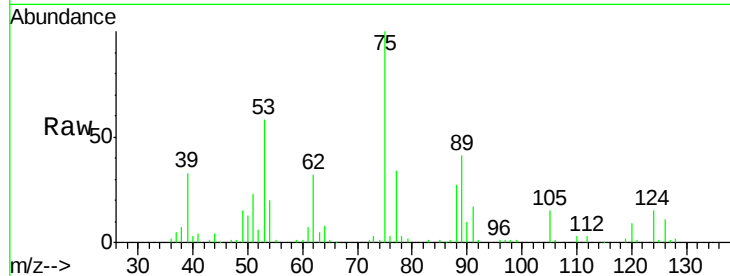
#81
trans-1,4-Dichloro-2-Butene
Concen: 20.86 ug/l
RT: 11.80 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	58.3	32.0	96.2
89	40.8	21.1	63.3

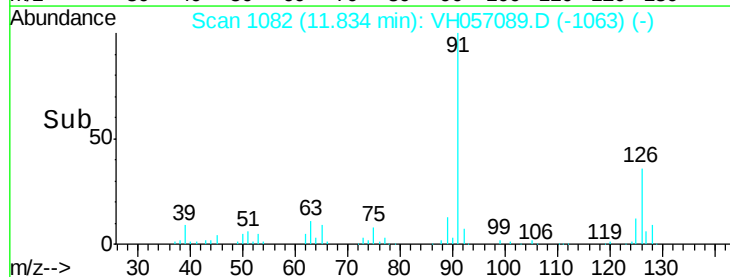
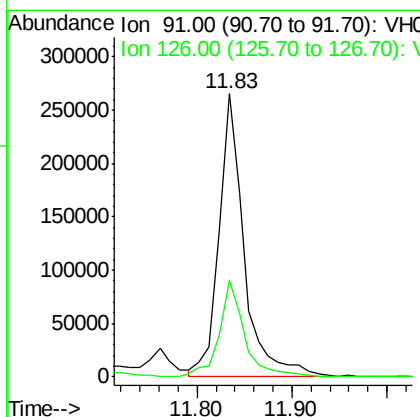
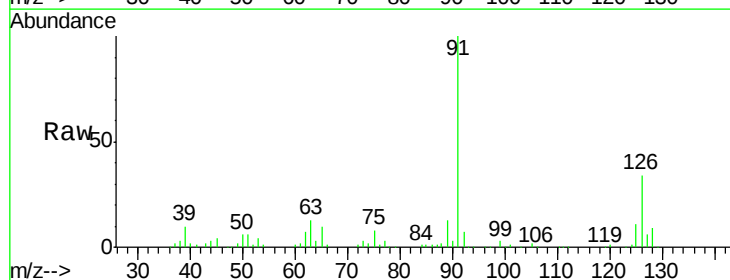
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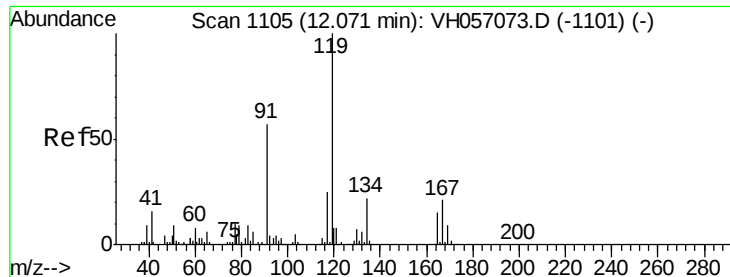
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.98 ug/l
RT: 11.83 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0





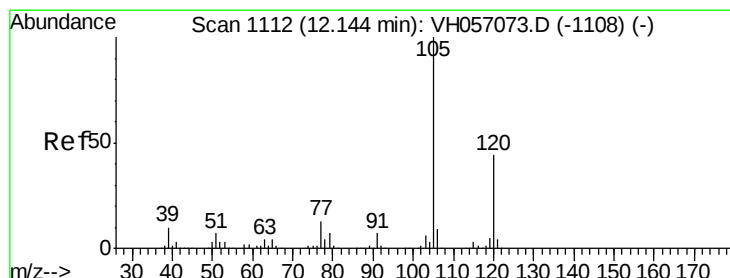
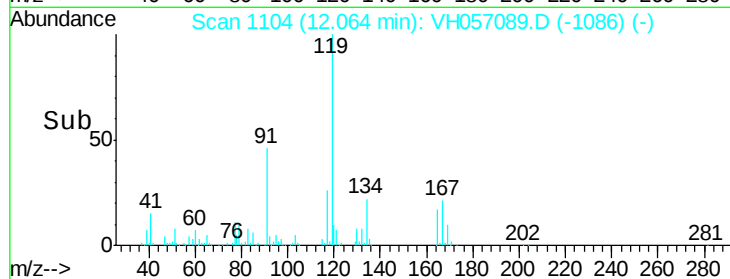
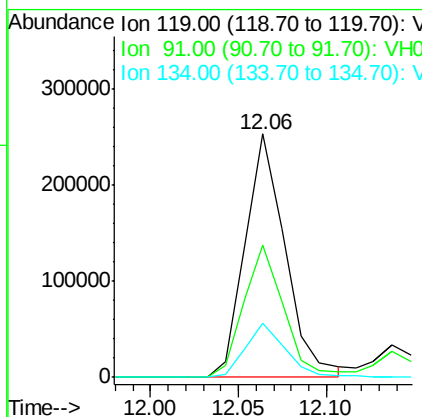
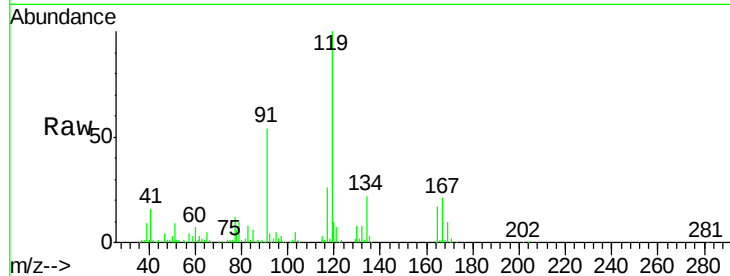
#83
 tert-Butylbenzene
 Concen: 23.17 ug/l
 RT: 12.06 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.3	28.5	85.6
134	22.4	11.5	34.5

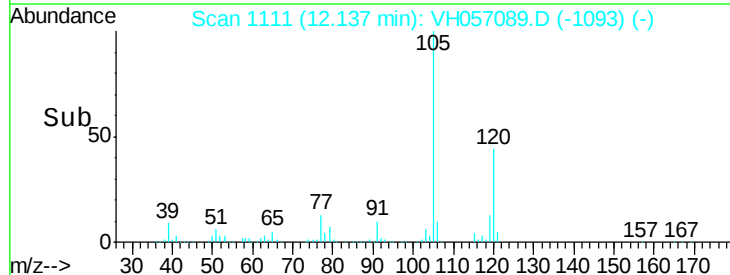
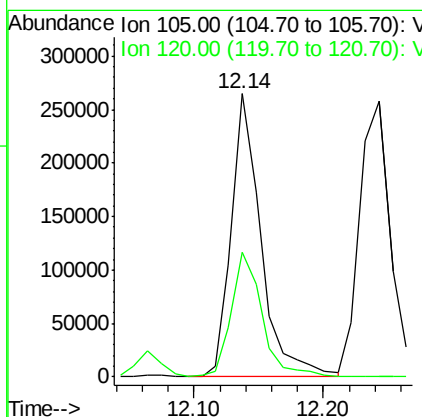
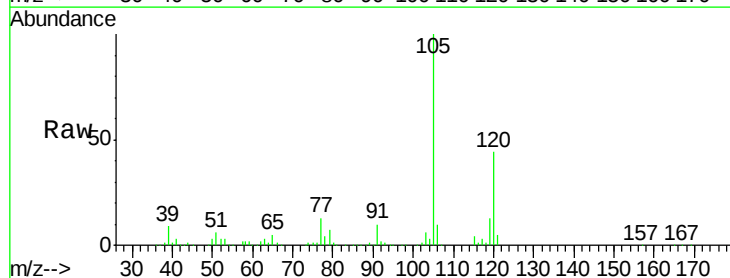
Manual Integrations
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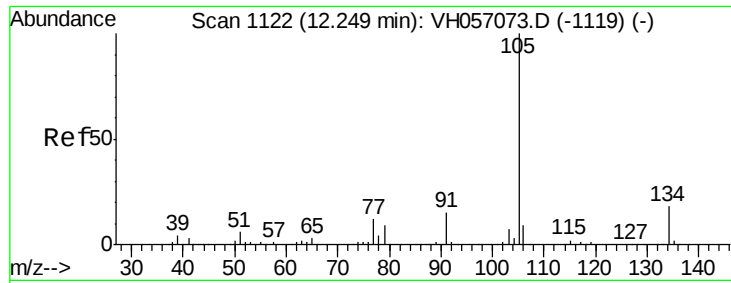
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.15 ug/l
 RT: 12.14 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.6	67.7





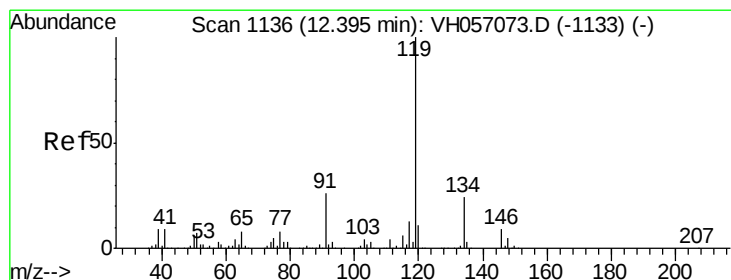
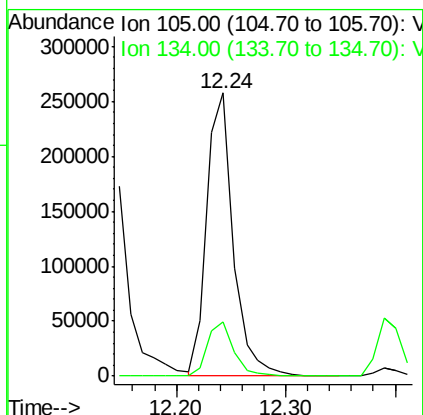
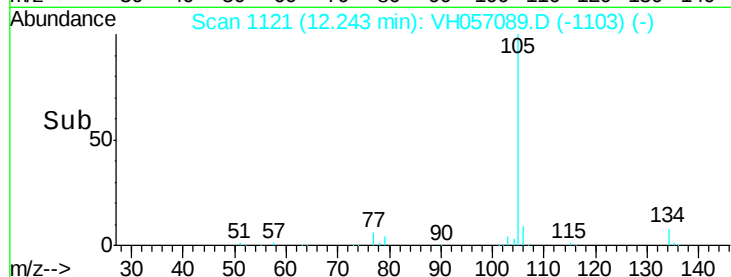
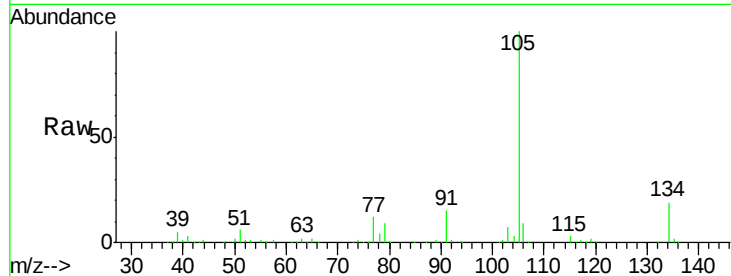
#85
 sec-Butylbenzene
 Concen: 23.27 ug/l
 RT: 12.24 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion:105 Resp: 432210
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.1 27.3

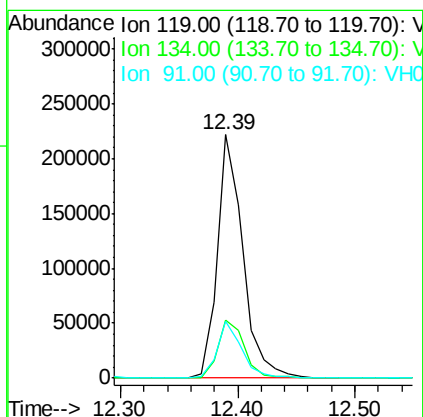
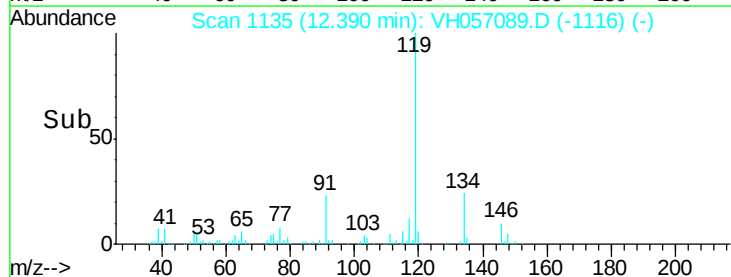
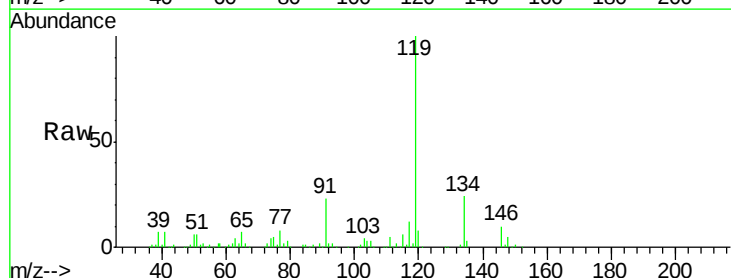
Manual Integrations
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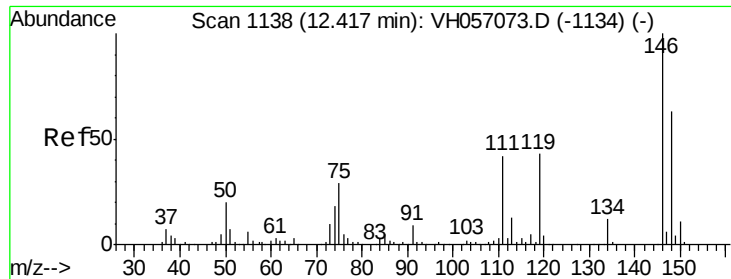
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#86
 p-Isopropyltoluene
 Concen: 23.81 ug/l
 RT: 12.39 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion:119 Resp: 335766
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.0 38.9
 91 23.1 12.5 37.5





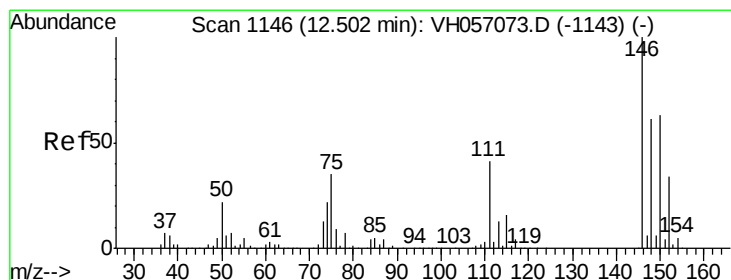
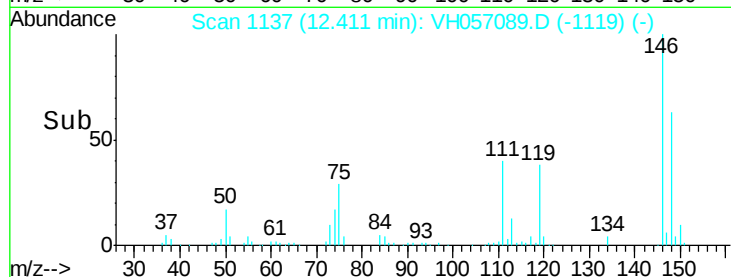
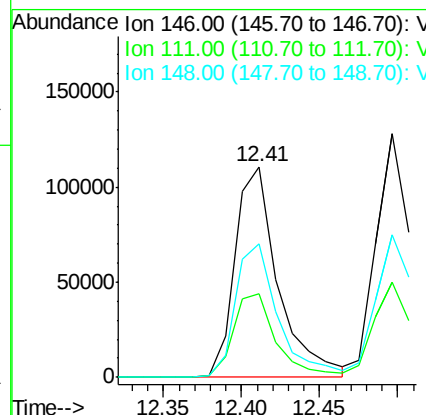
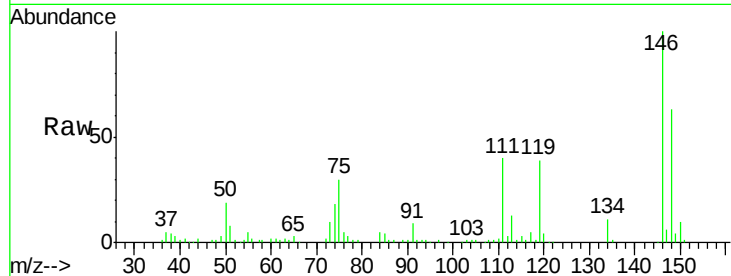
#87
 1,3-Dichlorobenzene
 Concen: 22.25 ug/l
 RT: 12.41 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.0	63.0
148	63.4	31.6	94.7

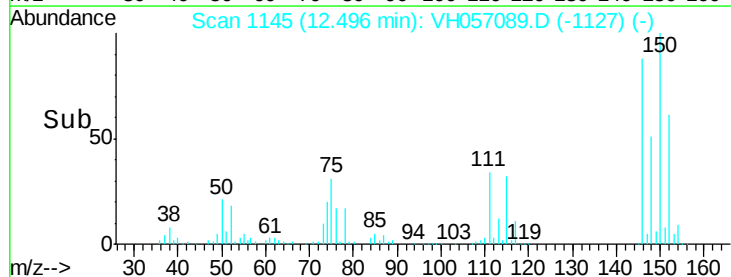
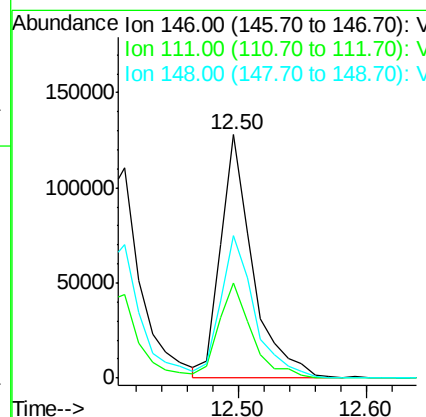
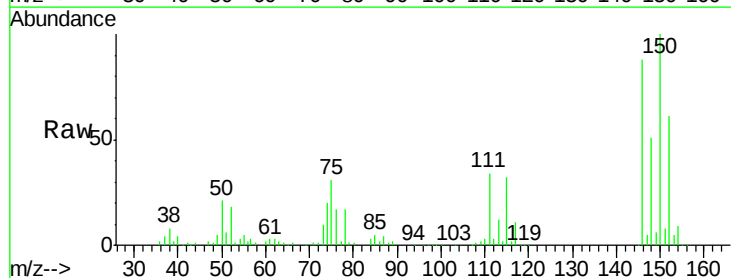
Manual Integrations
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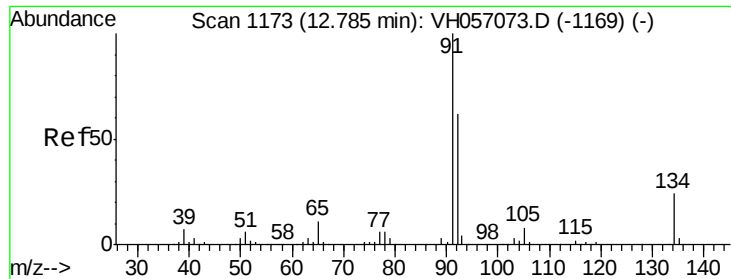
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#88
 1,4-Dichlorobenzene
 Concen: 22.76 ug/l
 RT: 12.50 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.3
148	58.4	30.3	90.9





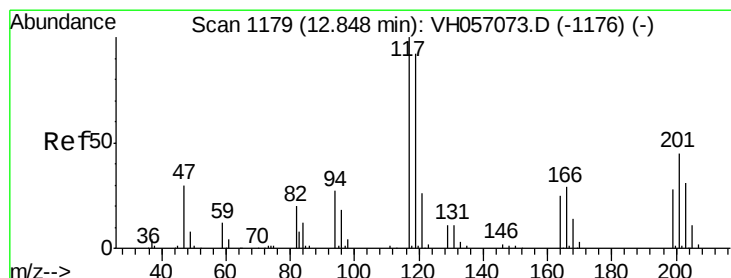
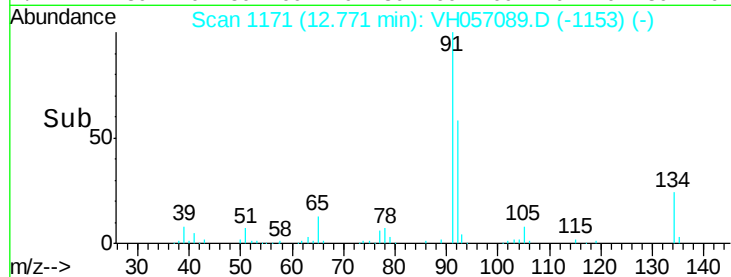
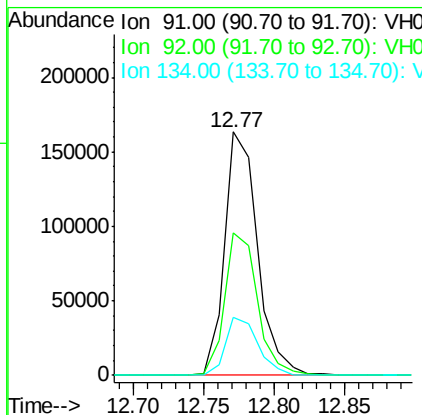
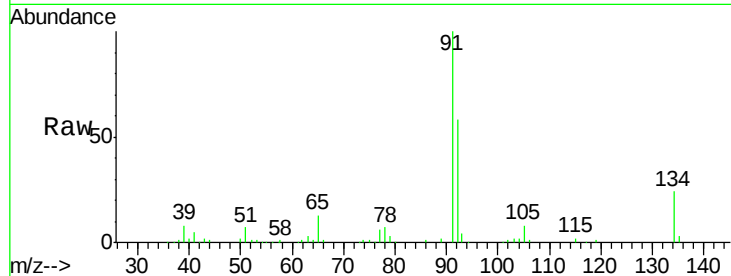
#89
n-Butylbenzene
Concen: 23.53 ug/l
RT: 12.77 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	265212		
92	58.5		31.3	93.9
134	23.6		10.5	31.6

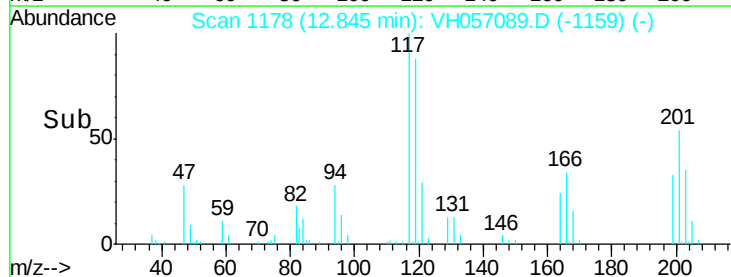
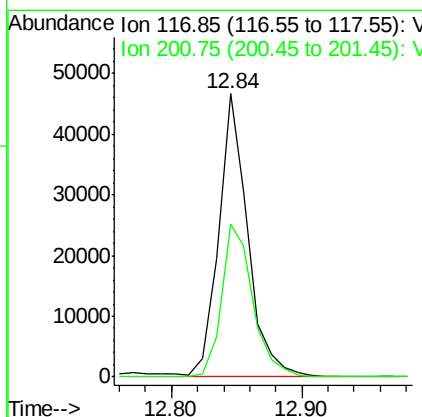
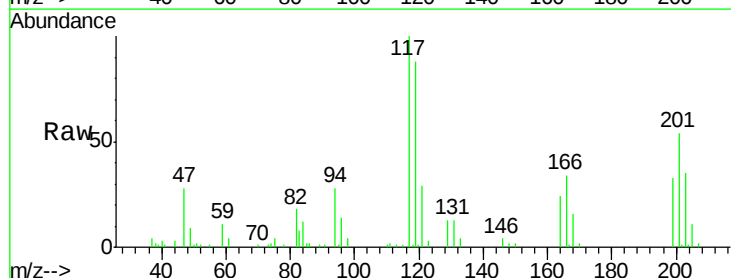
Manual Integrations
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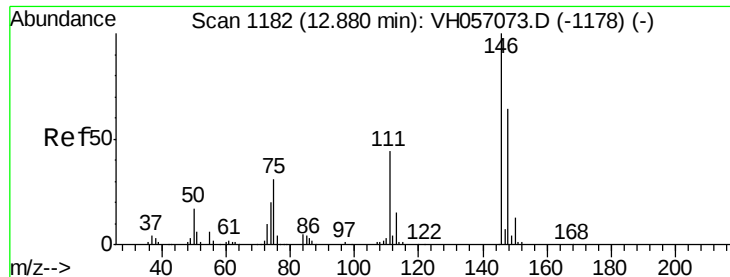
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#90
Hexachloroethane
Concen: 23.95 ug/l
RT: 12.84 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VH057089.D
Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	71510		
201	53.8		14.0	80.8





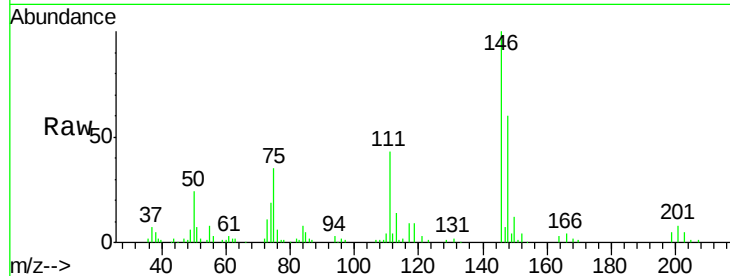
#91
 1,2-Dichlorobenzene
 Concen: 22.11 ug/l
 RT: 12.87 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampled :
 VH0921MBS01

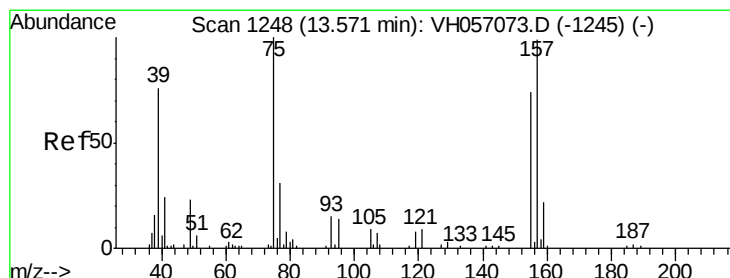
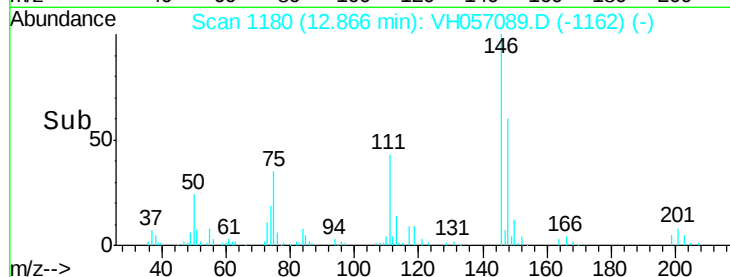
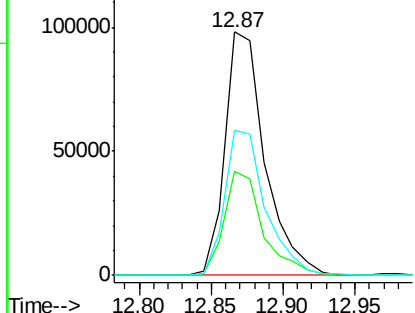
Tot Ion	Ratio	Resp	Lower	Upper
146	100	190470		
111	42.8	22.1	66.1	
148	59.7	31.4	94.3	

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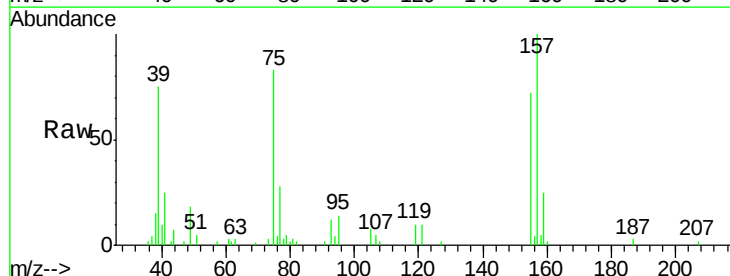


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

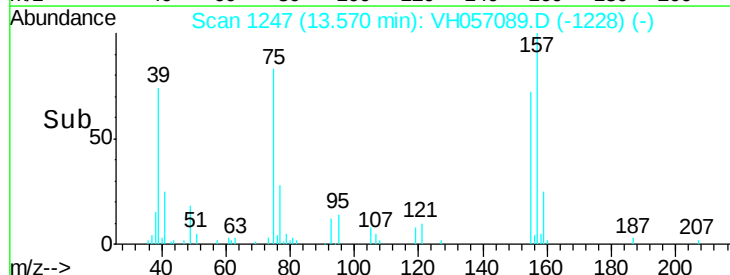
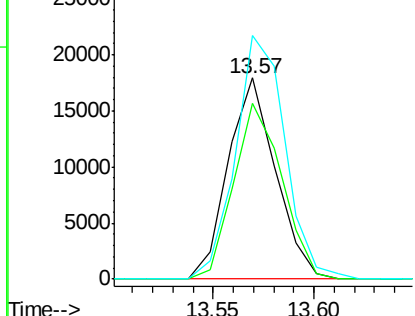


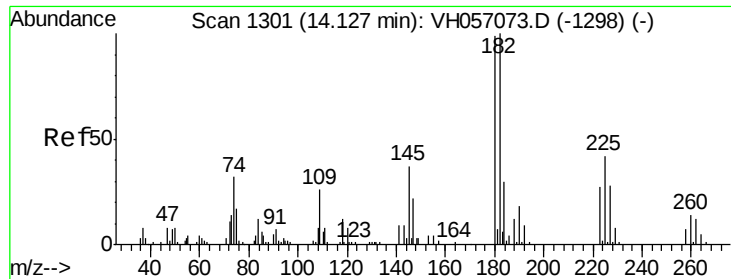
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.81 ug/l
 RT: 13.57 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29484		
155	87.2	43.4	130.2	
157	121.1	62.8	188.4	



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





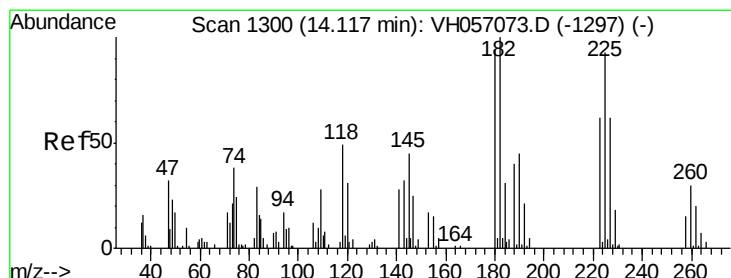
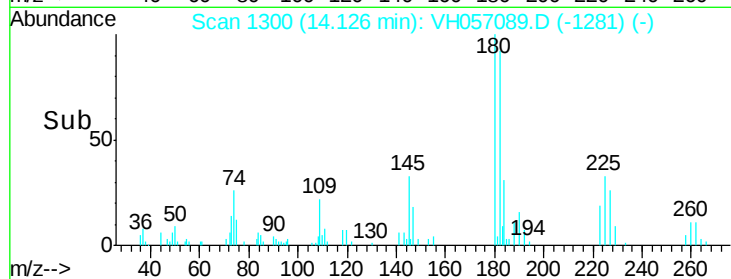
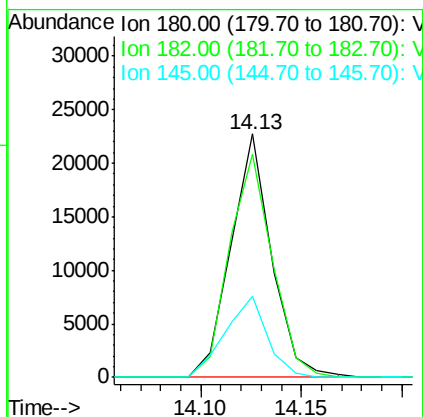
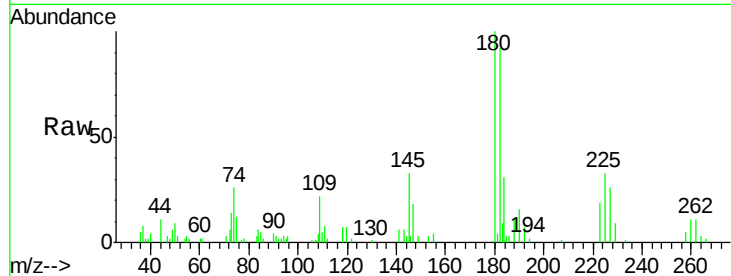
#93
 1,2,4-Trichlorobenzene
 Concen: 19.10 ug/l
 RT: 14.13 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32036		
182	91.6	43.0	129.2	
145	33.3	17.3	52.0	

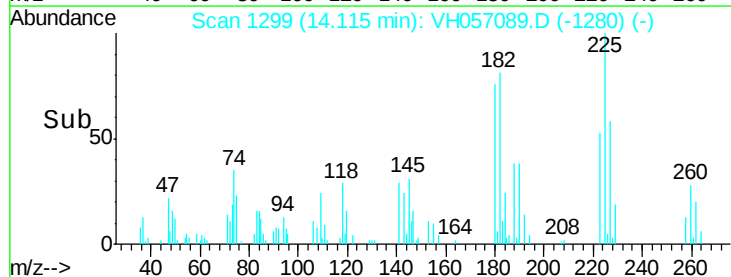
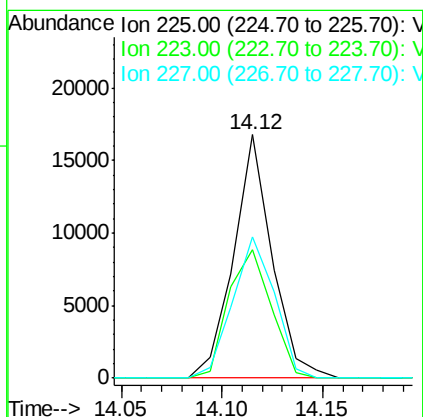
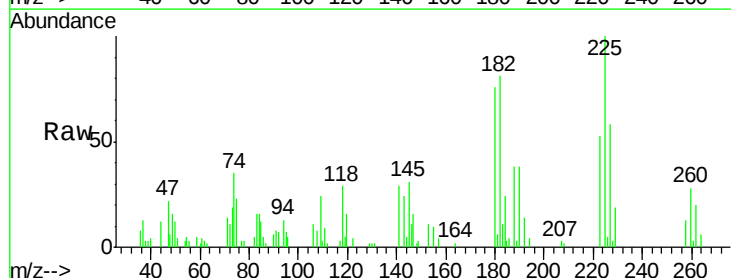
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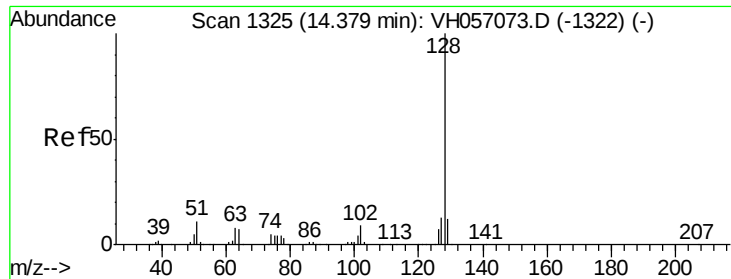
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#94
 Hexachlorobutadiene
 Concen: 24.75 ug/l
 RT: 14.12 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: VH057089.D
 Acq: 21 Sep 2015 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22061		
223	52.9	30.3	90.8	
227	60.8	30.5	91.5	





#95

Naphthalene

Concen: 18.87 ug/l

RT: 14.38 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Instrument :

MSVOA_H

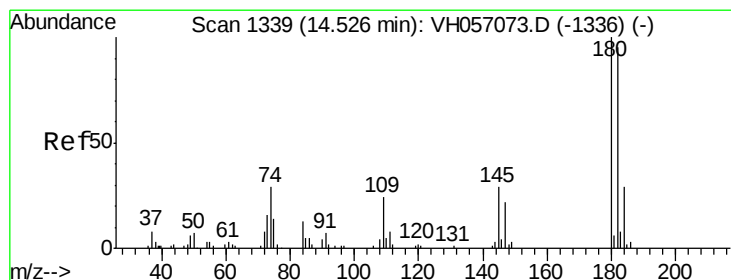
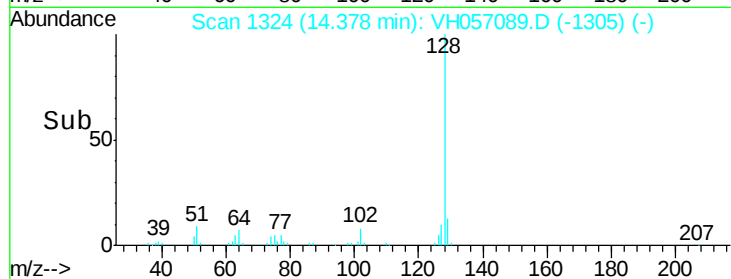
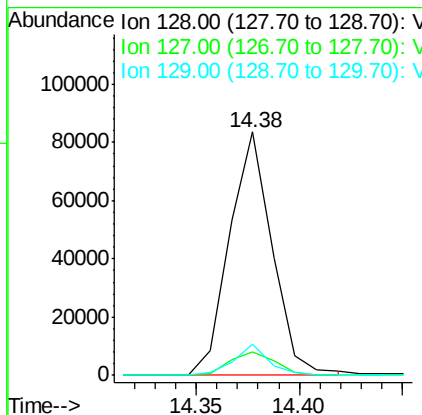
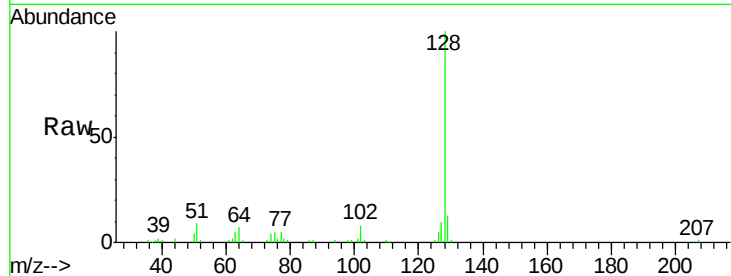
ClientSampleId :

VH0921MBS01

Tot Ion:	128	Resp:	121556
Ion Ratio		Lower	Upper
128	100		
127	9.7	9.6	14.4
129	12.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.28 ug/l

RT: 14.52 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VH057089.D

Acq: 21 Sep 2015 12:29

Tgt Ion:	180	Resp:	20108
Ion Ratio		Lower	Upper
180	100		
182	89.1	47.1	141.3
145	29.4	12.5	37.5

