

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057099.D
 Acq On : 21 Sep 2015 19:07
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:55:08 PM

Quant Time: Sep 22 07:03:40 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	4.84	168	940723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.56	114	1652693	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.72	117	1280277	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.49	152	355782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	661085	39.35	ug/l	0.00
Spiked Amount 50.000	Range 66 - 150		Recovery =	78.70%		
35) Dibromofluoromethane	4.08	113	606843	46.12	ug/l	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	92.24%		
48) Toluene-d8	7.51	98	1777427	46.98	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 121		Recovery =	93.96%		
62) 4-Bromofluorobenzene	11.35	95	574710	45.04	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	90.08%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	483363	40.73	ug/l	95
3) Chloromethane	1.02	50	589328	39.37	ug/l	98
4) Vinyl Chloride	1.09	62	519298	41.97	ug/l	96
5) Bromomethane	1.27	94	256693	47.03	ug/l	97
6) Chloroethane	1.35	64	217049	42.47	ug/l	96
7) Trichlorofluoromethane	1.40	101	418921m	36.20	ug/l	
8) Tert butyl alcohol	2.55	59	592680	196.50	ug/l	99
9) Diethyl Ether	1.61	74	264626	46.25	ug/l	58
10) Diisopropyl ether	2.77	45	1671885	39.86	ug/l #	96
11) 1,1-Dichloroethene	1.76	96	408413	47.06	ug/l	79
12) Methyl Iodide	1.86	142	753547m	49.27	ug/l	
13) Acrolein	1.97	56	319299	177.03	ug/l	96
14) 1,1,2-Trichlorotrifluoroet	1.80	101	389708	46.10	ug/l	92
15) Acrylonitrile	2.90	53	1192330	216.76	ug/l	99
16) Allyl Chloride	2.07	41	699287	39.09	ug/l	94
17) Acetone	2.20	43	1323137	183.40	ug/l	96
18) Carbon Disulfide	1.77	76	1105614	43.20	ug/l	98
19) Methyl Acetate	2.32	43	1751956	40.07	ug/l	98
20) Methyl tert-butyl Ether	2.40	73	1497054	43.08	ug/l	94
21) Methylene Chloride	2.15	84	456019m	48.03	ug/l	
22) trans-1,2-Dichloroethene	2.28	96	465246	48.77	ug/l	93
23) Vinyl Acetate	3.16	43	4043507	203.72	ug/l #	95
24) 1,1-Dichloroethane	2.84	63	888641	43.03	ug/l	97
25) 2-Butanone	4.30	43	3134797	200.88	ug/l	94
26) 2,2-Dichloropropane	3.56	77	553852	42.72	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	662245	49.70	ug/l	91
28) Bromochloromethane	3.69	128	240882	54.12	ug/l	78
29) Chloroform	3.82	83	1097196	44.95	ug/l	93
30) Cyclohexane	3.67	56	691506	41.79	ug/l	92
31) Tetrahydrofuran	4.04	42	1760896	201.03	ug/l #	87
32) 1,1,1-Trichloroethane	4.06	97	753786	42.89	ug/l	97
36) 1,1-Dichloropropene	4.25	75	837725	46.13	ug/l	97
37) Ethyl acetate	4.08	43	1438568	42.20	ug/l #	93
38) Carbon Tetrachloride	3.96	117	594888	42.08	ug/l	93

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 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)
39) Benzene	4.60	78	2099772	48.56	ug/l	99
40) Methacrylonitrile	4.70	41	635843	42.14	ug/l	84
41) 1,2-Dichloroethane	4.90	62	829820	43.48	ug/l	98
42) Isopropyl Acetate	5.45	43	1874548	42.11	ug/l #	92
43) Trichloroethene	5.47	130	582102	52.97	ug/l	97
44) Methylcyclohexane	5.42	83	490036	46.82	ug/l	96
45) 1,2-Dichloropropane	6.19	63	621556	45.34	ug/l	98
46) Dibromomethane	6.04	93	426147	47.80	ug/l	96
47) Bromodichloromethane	6.34	83	835350	45.74	ug/l	97
49) 4-Methyl-2-Pentanone	8.20	43	5561372	206.26	ug/l	96
50) Toluene	7.58	92	1354668	48.93	ug/l	97
51) t-1,3-Dichloropropene	8.22	75	982531	46.92	ug/l	100
52) Methyl Methacrylate	6.67	69	661014	48.72	ug/l	91
53) 1,4-Dioxane	6.66	88	125873	791.05	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	1058826	47.62	ug/l	92
55) 1,1,2-Trichloroethane	8.44	97	560990	47.73	ug/l	97
56) Ethyl Methacrylate	8.57	69	1133049	48.81	ug/l	89
57) 1,3-Dichloropropane	8.80	76	1128261	47.20	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.25	63	2611130	227.50	ug/l	91
59) 2-Hexanone	9.43	43	4317214	204.92	ug/l	96
60) Dibromochloromethane	8.66	129	665547	49.95	ug/l	99
61) 1,2-Dibromoethane	8.92	107	689015	50.94	ug/l	98
64) Tetrachloroethene	8.11	164	409919	56.51	ug/l	96
65) Chlorobenzene	9.74	112	1408444	50.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.86	131	480414	49.98	ug/l	98
67) Ethyl Benzene	9.84	106	665564	49.91	ug/l	90
68) m/p-Xylenes	10.07	106	1598047	98.52	ug/l	92
69) o-Xylene	10.65	106	807717	51.86	ug/l	99
70) Styrene	10.73	104	1356026	49.85	ug/l	97
71) Bromoform	10.71	173	433348	52.69	ug/l	97
73) Isopropylbenzene	11.06	105	1632594	50.25	ug/l	99
74) n-Amyl Acetate	11.32	43	1555693	45.06	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.63	83	830780	48.77	ug/l	99
76) 1,2,3-Trichloropropane	11.73	75	652792	48.84	ug/l	96
77) Bromobenzene	11.43	156	474230	51.28	ug/l	89
78) n-propylbenzene	11.54	91	1620043	46.63	ug/l	93
79) 2-Chlorotoluene	11.66	91	1019218	48.64	ug/l	100
80) 1,3,5-Trimethylbenzene	11.76	105	1010384	47.59	ug/l	97
81) trans-1,4-Dichloro-2-Buten	11.80	75	470461	48.30	ug/l	94
82) 4-Chlorotoluene	11.84	91	1204036	47.56	ug/l	98
83) tert-Butylbenzene	12.07	119	995057	49.65	ug/l	96
84) 1,2,4-Trimethylbenzene	12.14	105	1063582	48.54	ug/l	100
85) sec-Butylbenzene	12.24	105	1015137	47.36	ug/l	95
86) p-Isopropyltoluene	12.39	119	837522	51.46	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	558714	50.63	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	607758	53.19	ug/l	97
89) n-Butylbenzene	12.77	91	675324	51.91	ug/l	98
90) Hexachloroethane	12.84	117	176349	51.19	ug/l	91
91) 1,2-Dichlorobenzene	12.88	146	530159	53.33	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.57	75	97070	50.82	ug/l	96

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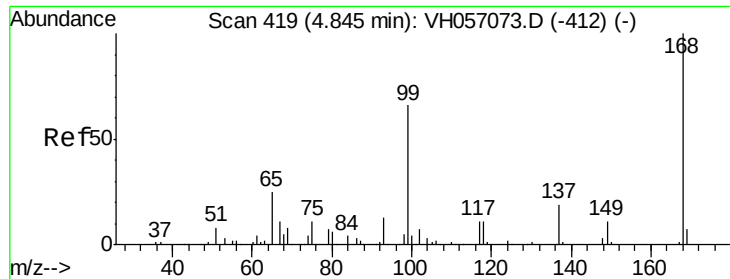
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	168575	73.70	ug/l	90
94) Hexachlorobutadiene	14.11	225	86016	83.62	ug/l	94
95) Naphthalene	14.38	128	647791	69.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.52	180	132915	82.97	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.84 min Scan# 419

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 940723

Ion Ratio Lower Upper

168 100

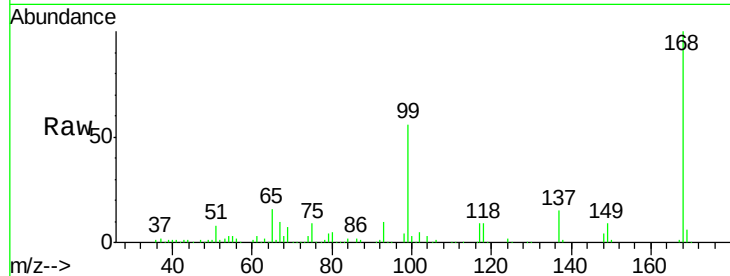
99 55.9 55.8 83.6

Manual Integrations

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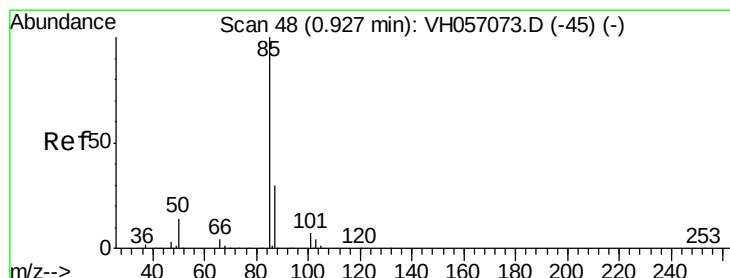
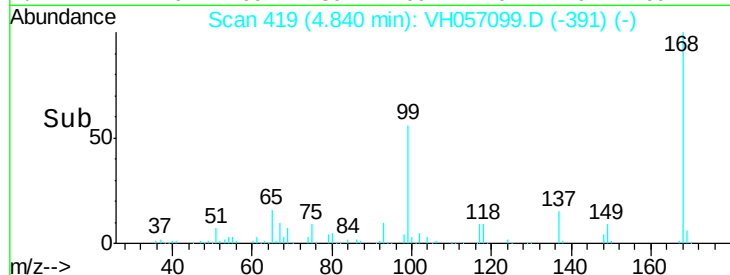
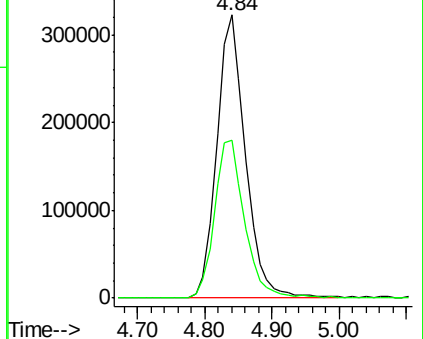
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0



#2

Dichlorodifluoromethane

Concen: 40.73 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057099.D

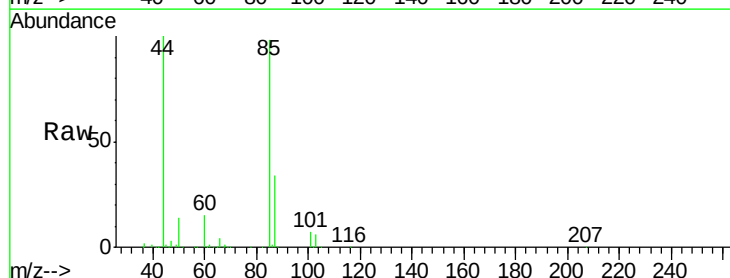
Acq: 21 Sep 2015 19:07

Tgt Ion: 85 Resp: 483363

Ion Ratio Lower Upper

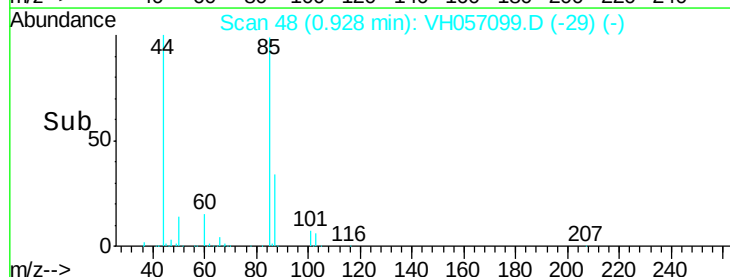
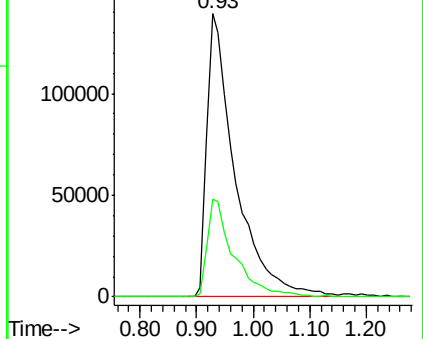
85 100

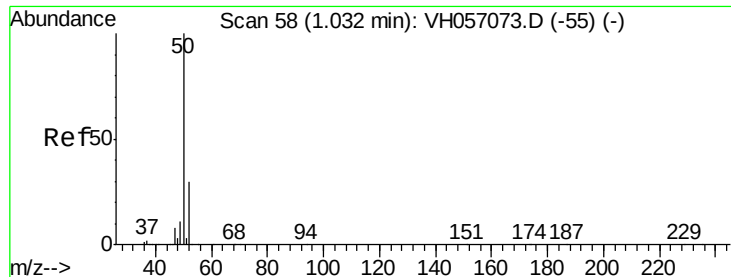
87 34.5 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0





#3

Chloromethane

Concen: 39.37 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 589328

Ion Ratio Lower Upper

50 100

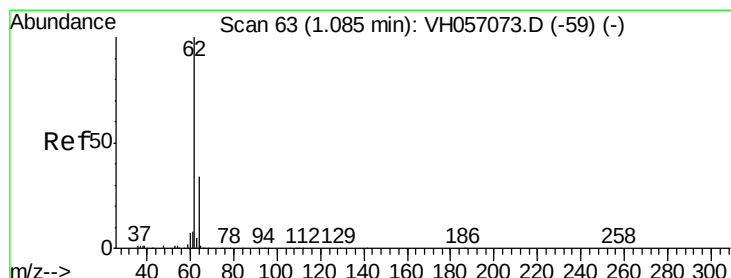
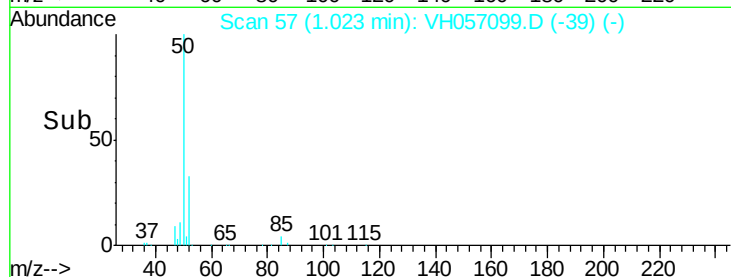
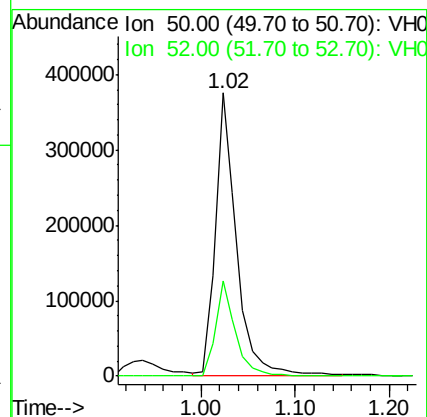
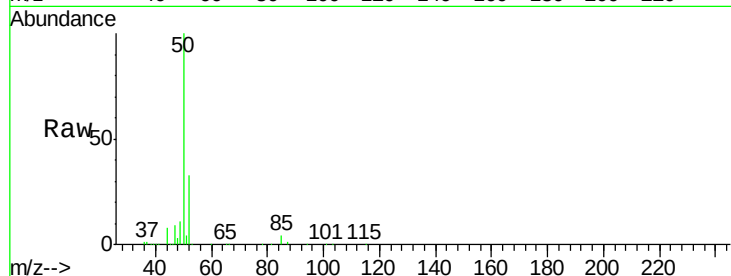
52 33.5 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.97 ug/l

RT: 1.09 min Scan# 63

Delta R.T. 0.00 min

Lab File: VH057099.D

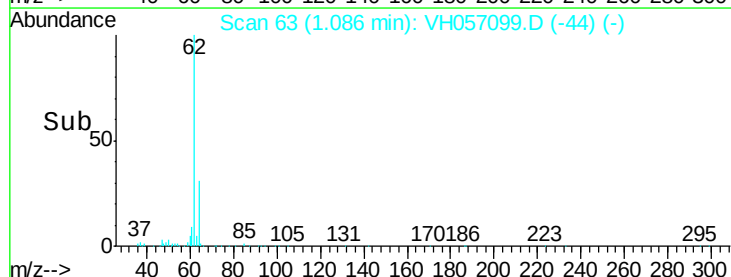
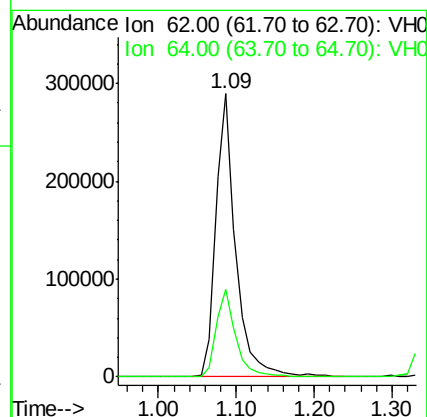
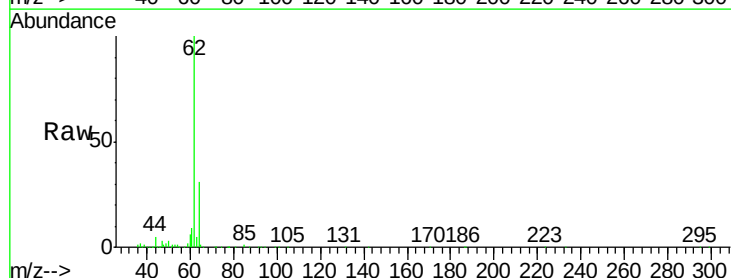
Acq: 21 Sep 2015 19:07

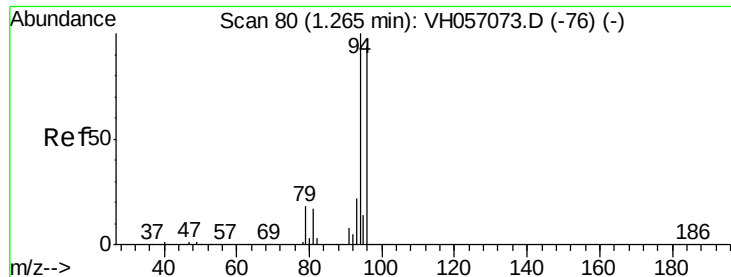
Tgt Ion: 62 Resp: 519298

Ion Ratio Lower Upper

62 100

64 30.8 26.6 40.0





#5

Bromomethane

Concen: 47.03 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 256693

Ion Ratio Lower Upper

94 100

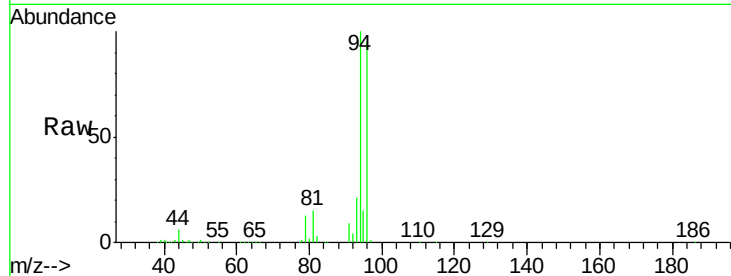
96 94.7 78.5 117.7

Manual Integrations

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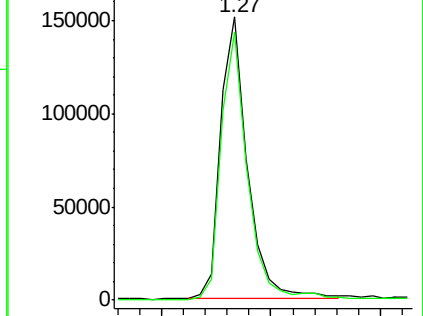
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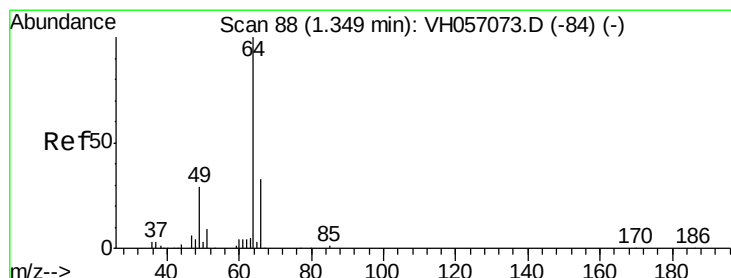
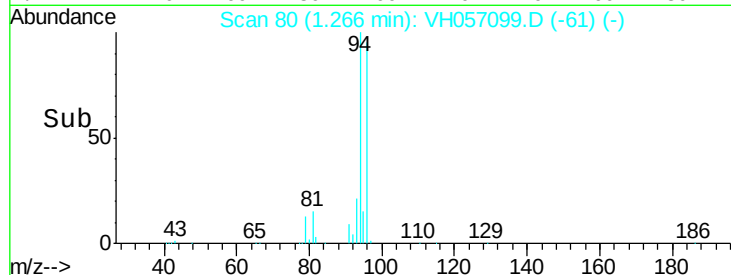


Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



Time-->



#6

Chloroethane

Concen: 42.47 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057099.D

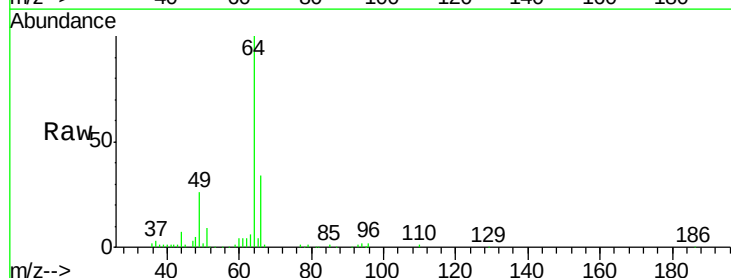
Acq: 21 Sep 2015 19:07

Tgt Ion: 64 Resp: 217049

Ion Ratio Lower Upper

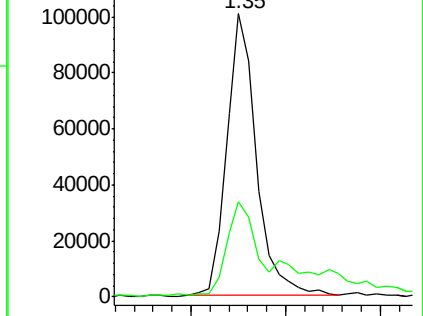
64 100

66 33.8 25.2 37.8

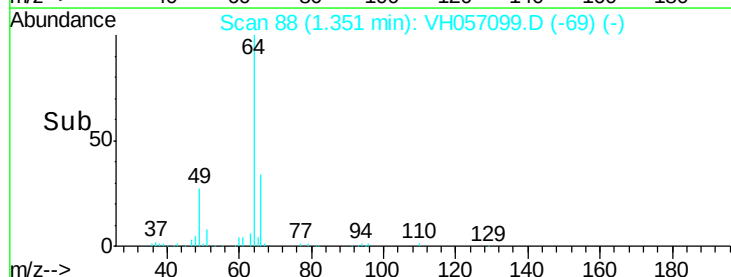


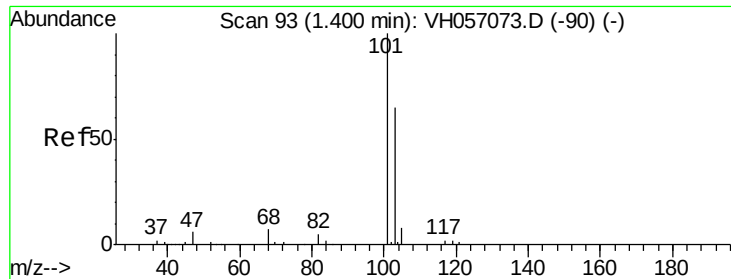
Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0



Time-->





#7

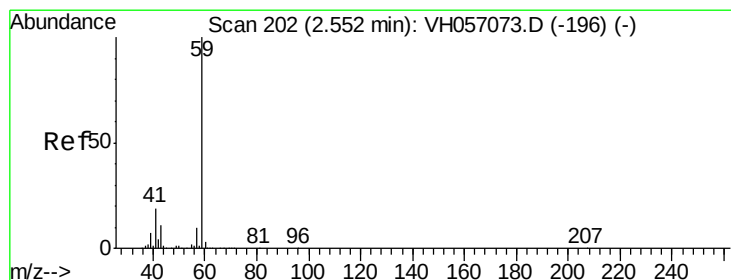
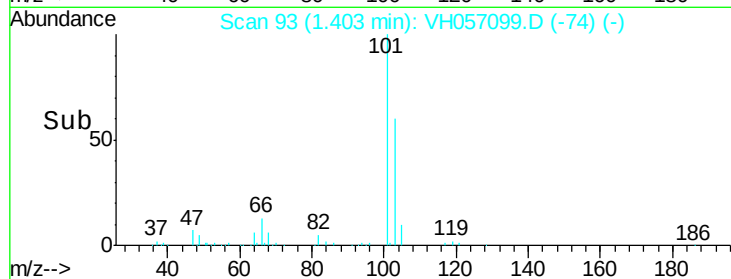
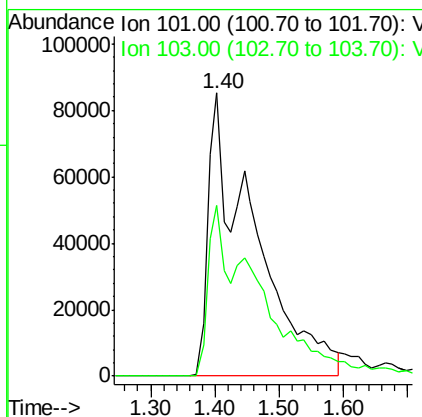
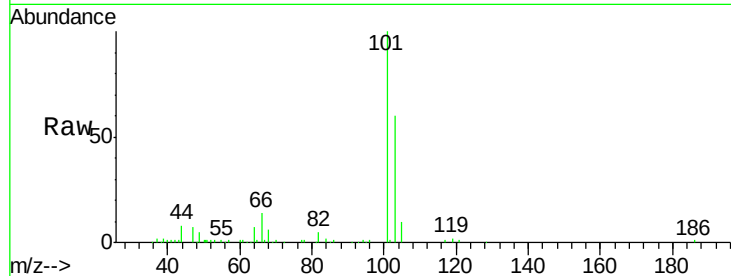
Trichlorofluoromethane
Concen: 36.20 ug/l m
RT: 1.40 min Scan# 93
Delta R.T. 0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	418921		
103	60.4	54.9	82.3	

Manual Integrations
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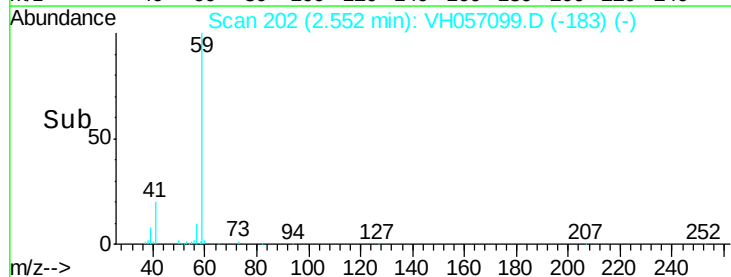
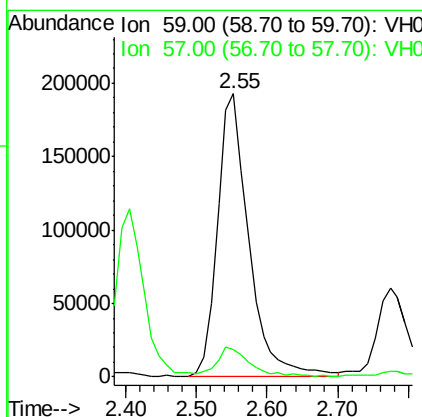
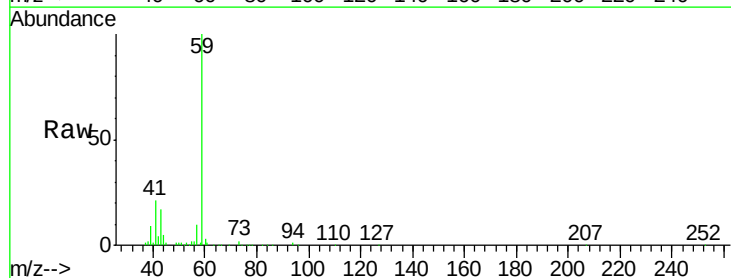
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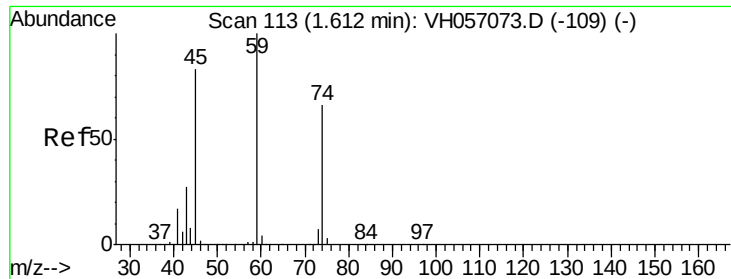


#8

Tert butyl alcohol
Concen: 196.50 ug/l
RT: 2.55 min Scan# 202
Delta R.T. 0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	592680		
57	9.8	9.0	11.0	





#9

Diethyl Ether

Concen: 46.25 ug/l

RT: 1.61 min Scan# 113

Delta R.T. 0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampled :

VSTDCCC050EC

Tot Ion: 74 Resp: 264626

Ion Ratio Lower Upper

74 100

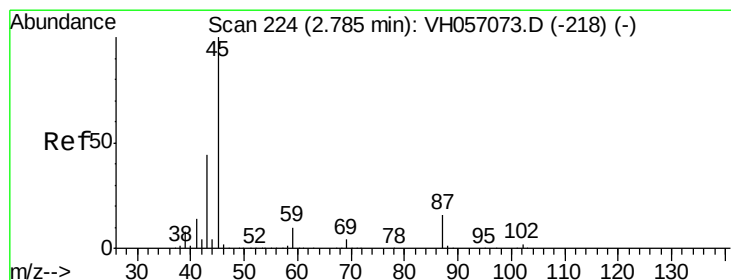
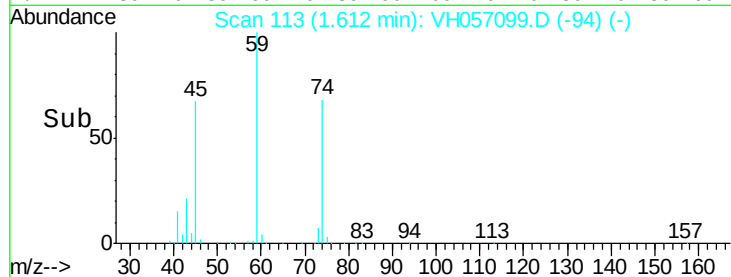
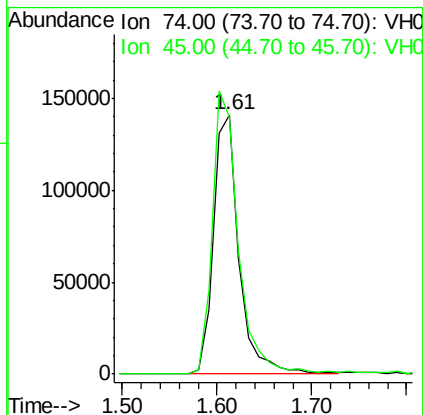
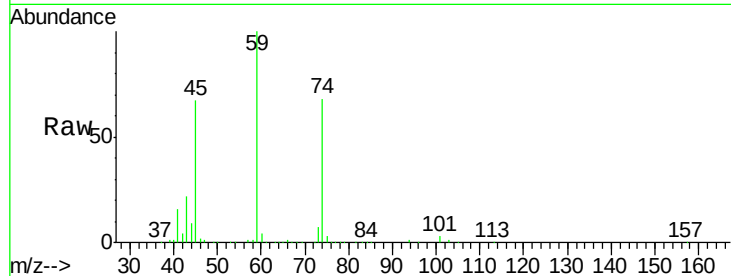
45 98.9 0.0 304.4

Manual Integrations

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#10

Diisopropyl ether

Concen: 39.86 ug/l

RT: 2.77 min Scan# 223

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion: 45 Resp: 1671885

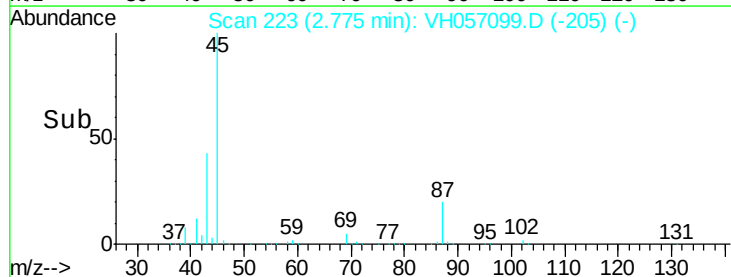
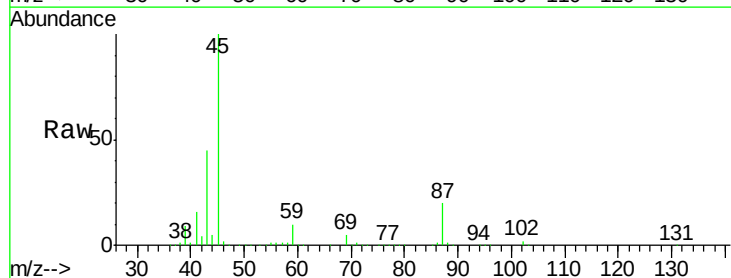
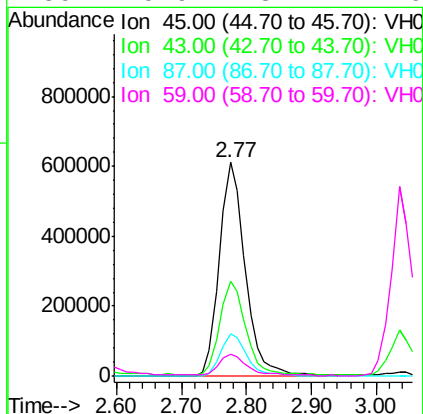
Ion Ratio Lower Upper

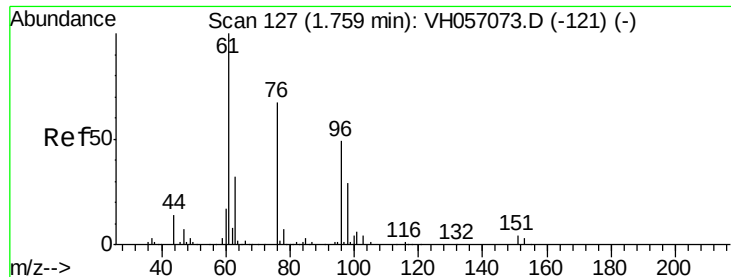
45 100

43 44.6 34.6 52.0

87 19.9 12.6 19.0#

59 9.9 8.4 12.6





#11

1,1-Dichloroethene

Concen: 47.06 ug/l

RT: 1.76 min Scan# 127

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

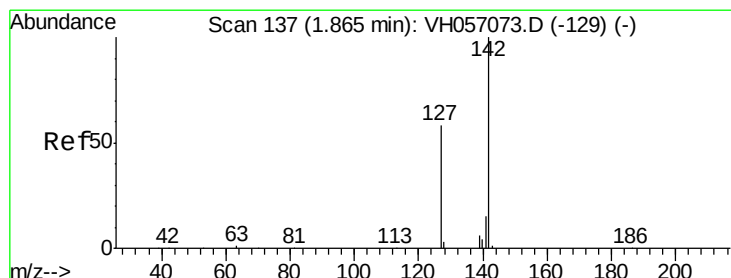
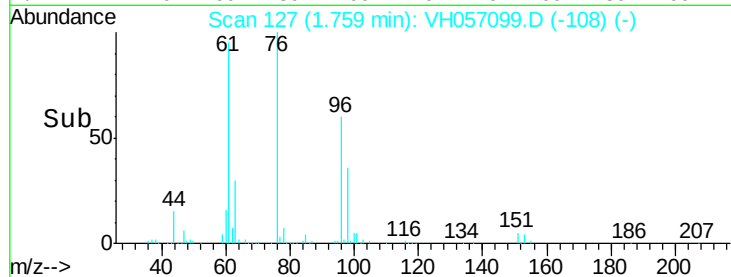
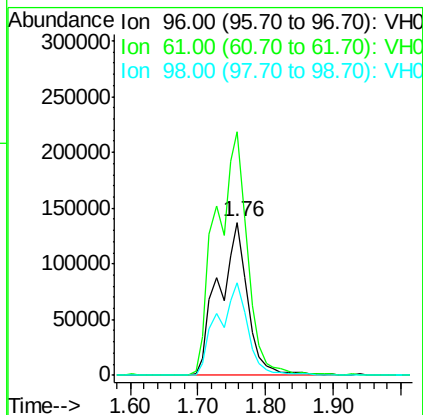
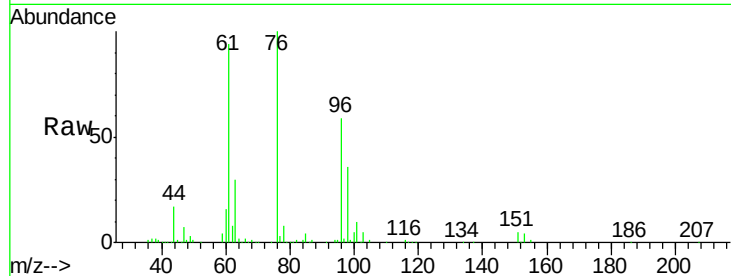
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	408413
Ion	Ratio	Lower	Upper
96	100		
61	159.0	158.4	237.6
98	60.1	50.6	75.8

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#12

Methyl Iodide

Concen: 49.27 ug/l m

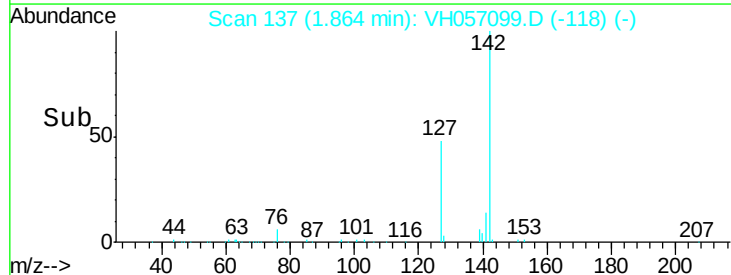
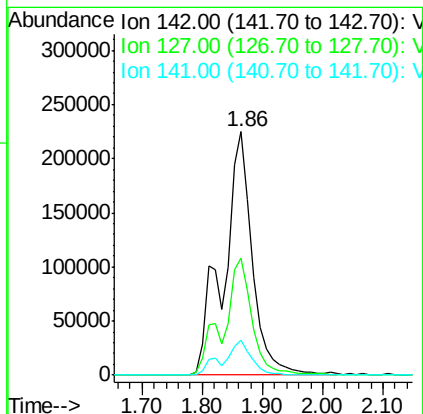
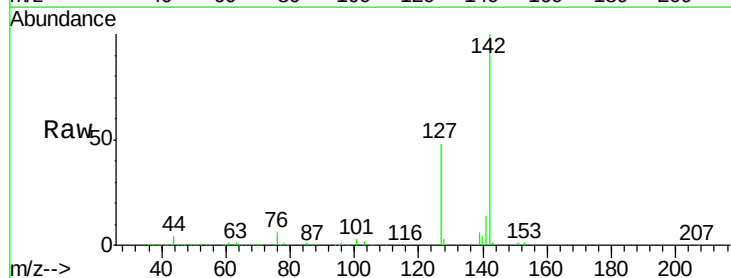
RT: 1.86 min Scan# 137

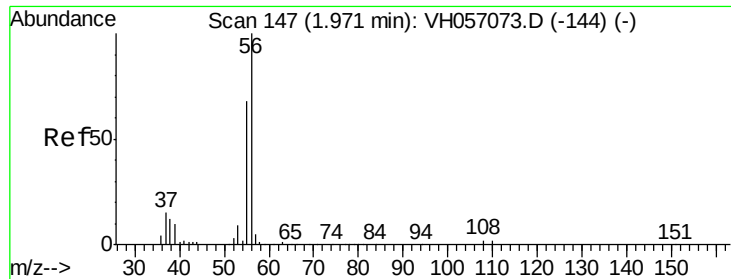
Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion:	142	Resp:	753547
Ion	Ratio	Lower	Upper
142	100		
127	48.2	30.0	90.1
141	14.2	7.1	21.4





#13

Acrolein

Concen: 177.03 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 319299

Ion Ratio Lower Upper

56 100

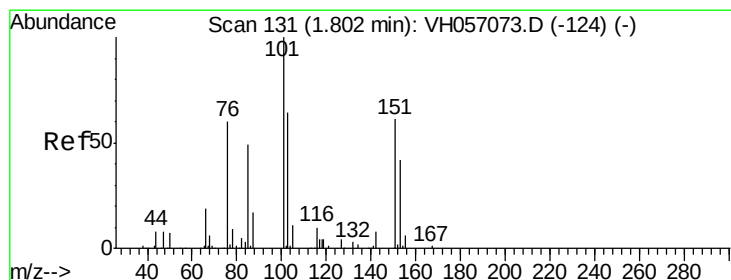
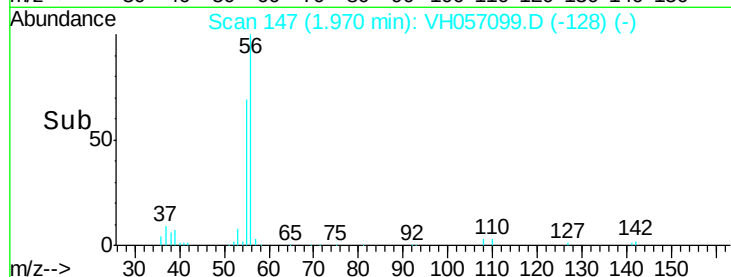
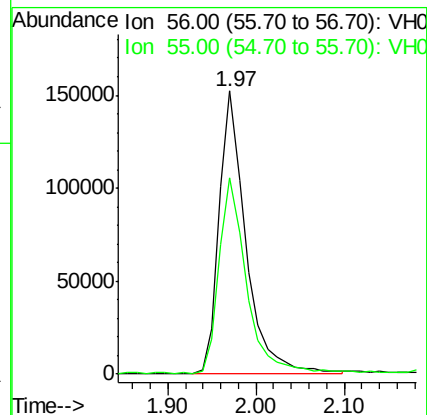
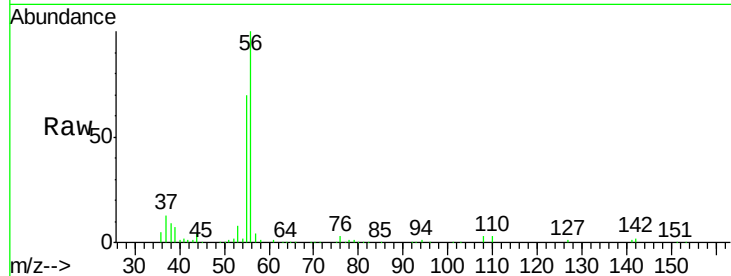
55 69.6 52.9 79.3

Manual Integrations

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#14

1,1,2-Trichlorotrifluoroethane

Concen: 46.10 ug/l

RT: 1.80 min Scan# 131

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

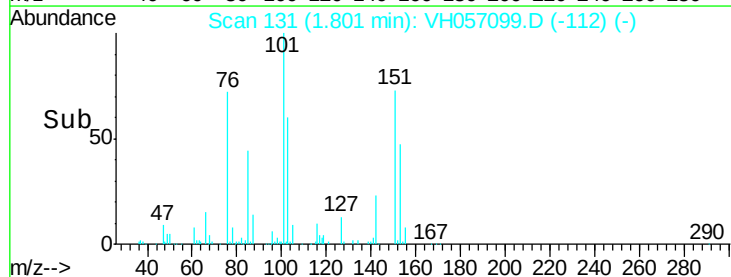
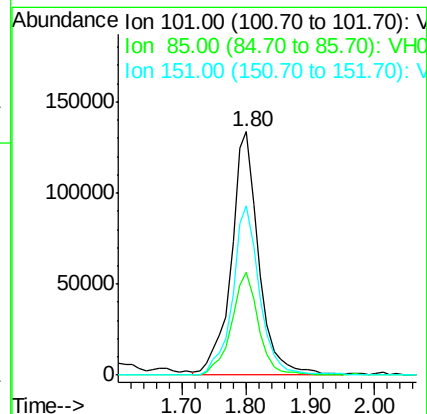
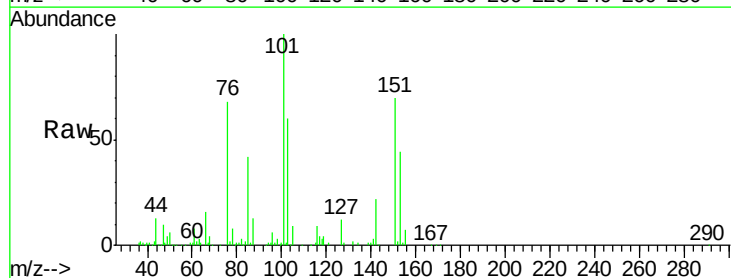
Tgt Ion: 101 Resp: 389708

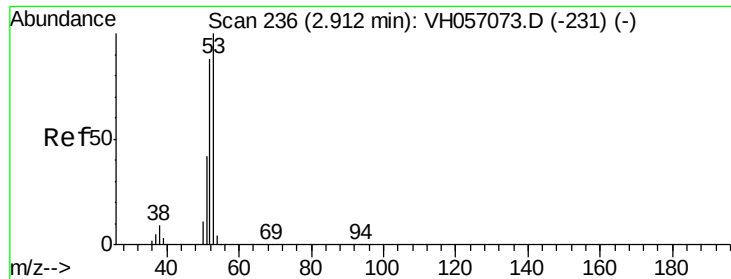
Ion Ratio Lower Upper

101 100

85 42.2 37.9 56.9

151 69.7 50.6 76.0





#15

Acrylonitrile

Concen: 216.76 ug/l

RT: 2.90 min Scan# 235

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1192330

Ion Ratio Lower Upper

53 100

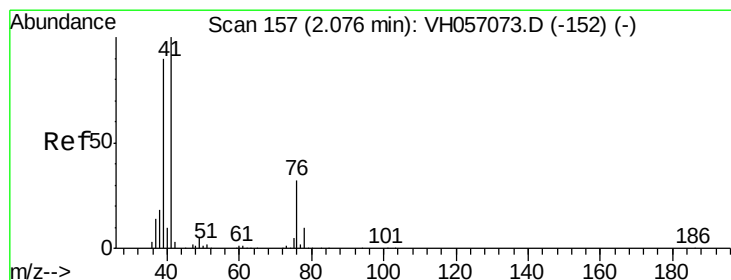
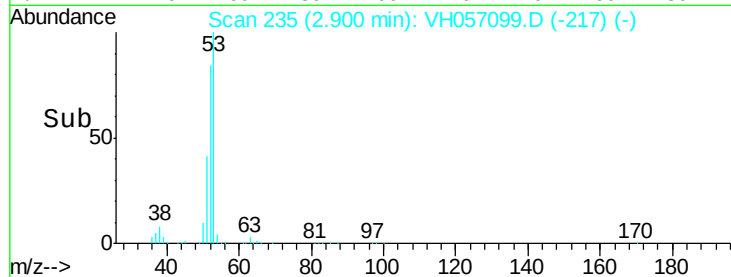
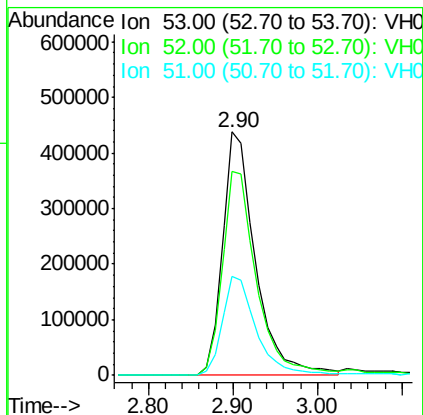
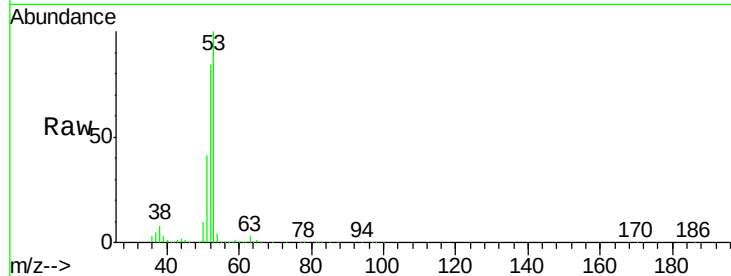
52 83.6 67.6 101.4

51 40.7 31.8 47.6

Manual Integrations
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#16

Allyl Chloride

Concen: 39.09 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

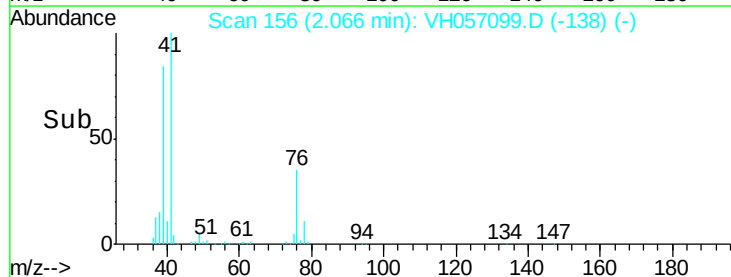
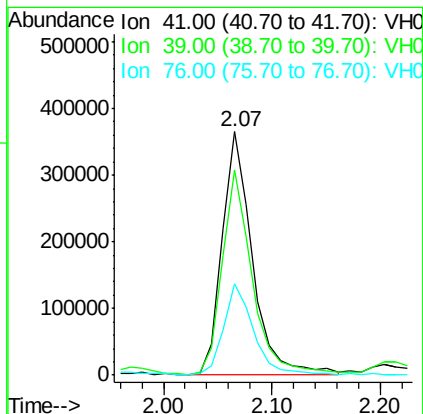
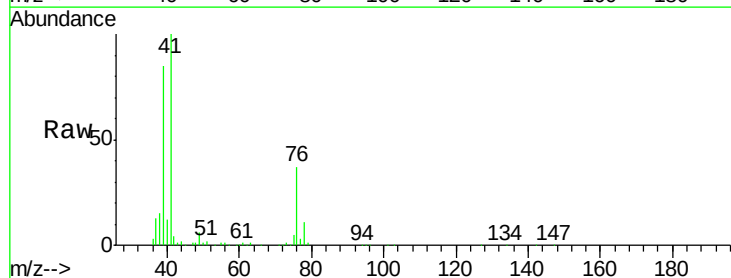
Tgt Ion: 41 Resp: 699287

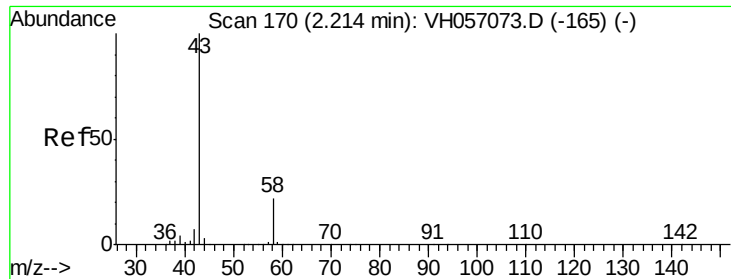
Ion Ratio Lower Upper

41 100

39 84.5 41.0 123.2

76 37.4 14.3 42.9





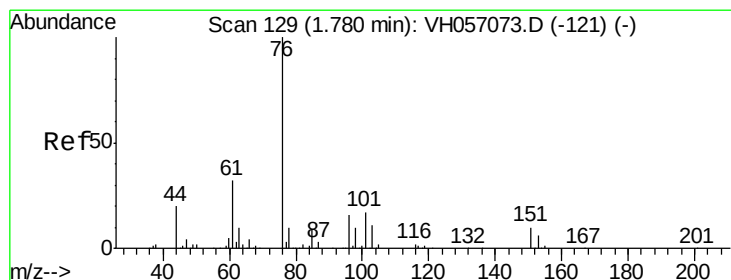
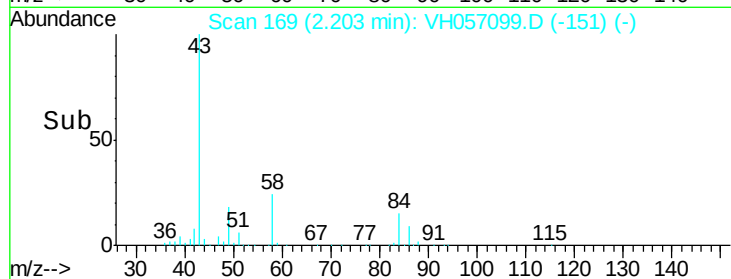
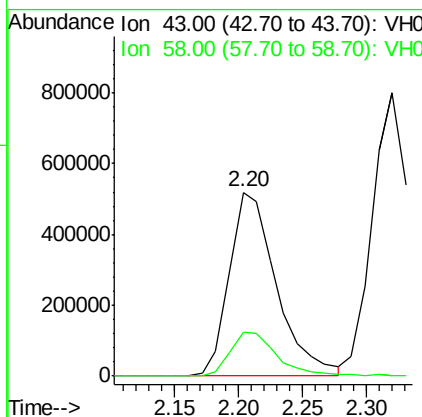
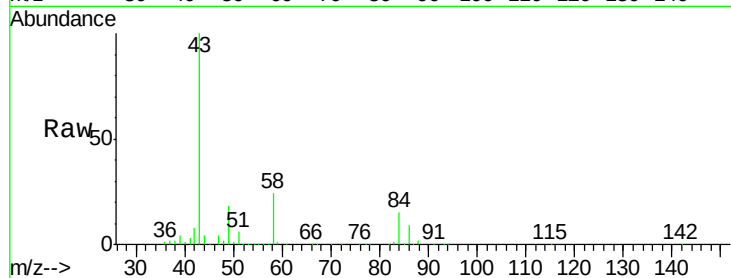
#17
Acetone
Concen: 183.40 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1323137
Ion Ratio Lower Upper
43 100
58 24.2 17.7 26.5

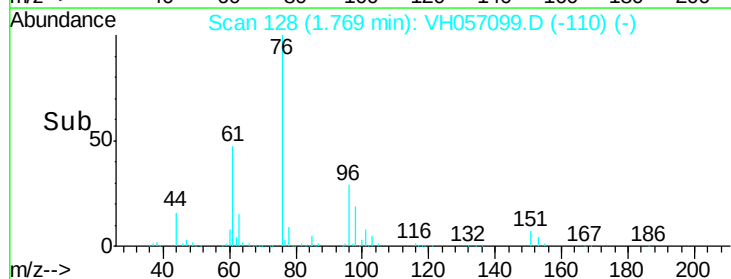
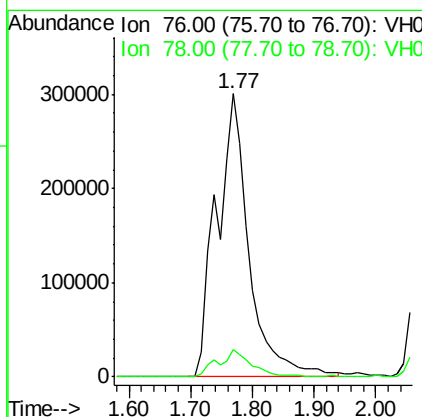
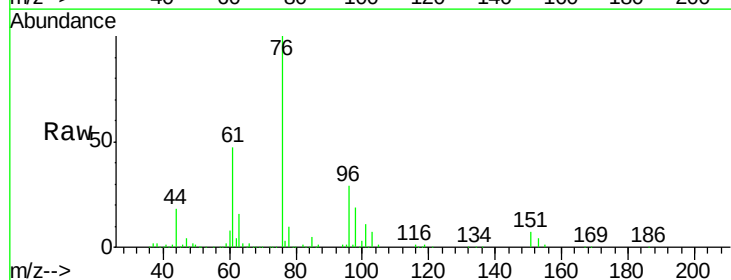
Manual Integrations
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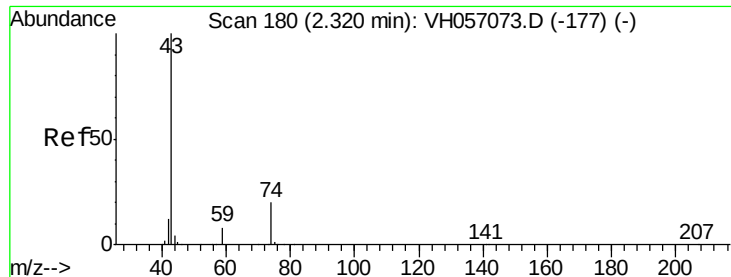
MMDadoda
9/22/2015 2:55:08 PM



#18
Carbon Disulfide
Concen: 43.20 ug/l
RT: 1.77 min Scan# 128
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion: 76 Resp: 1105614
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7





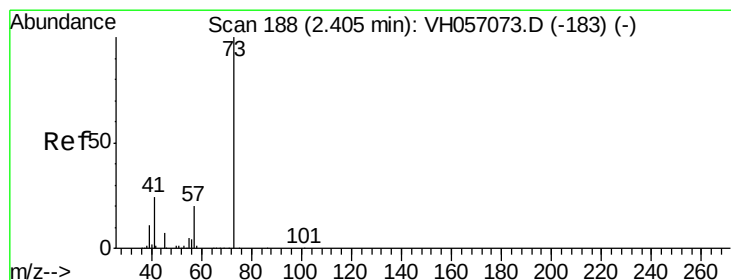
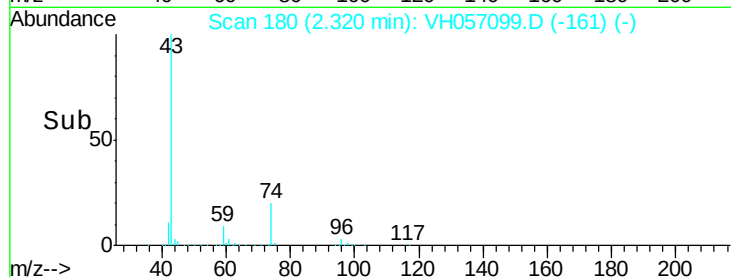
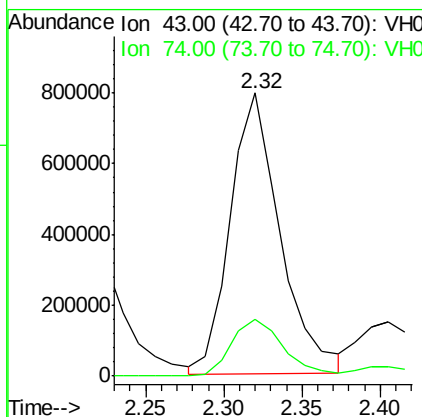
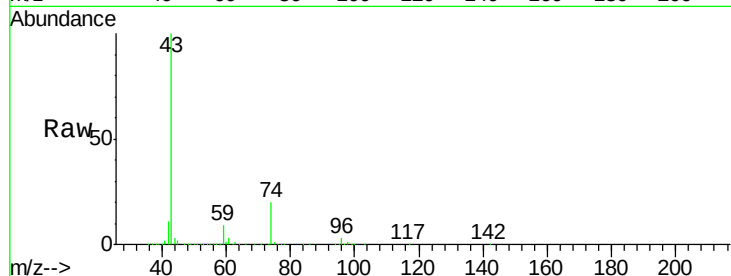
#19
Methyl Acetate
Concen: 40.07 ug/l
RT: 2.32 min Scan# 180
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1751956
Ion Ratio Lower Upper
43 100
74 20.1 13.3 24.7

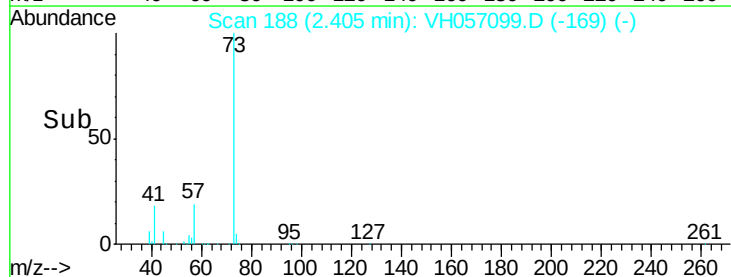
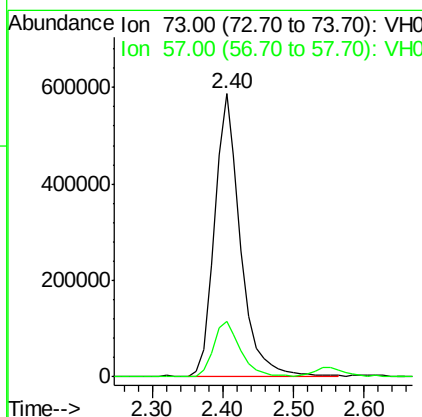
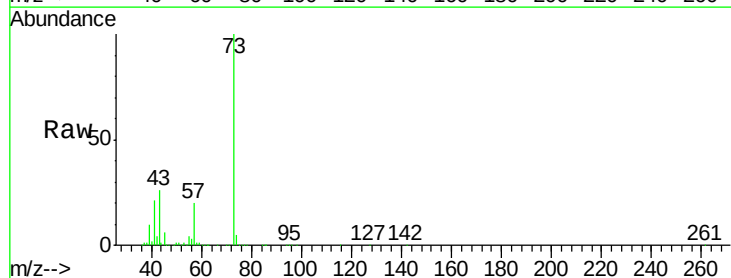
Manual Integrations
APPROVED

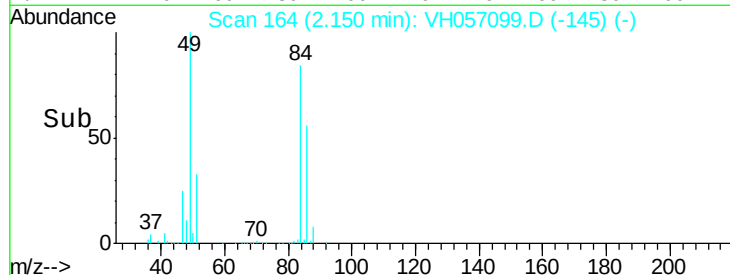
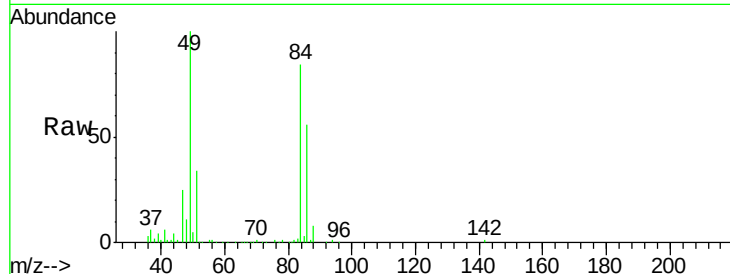
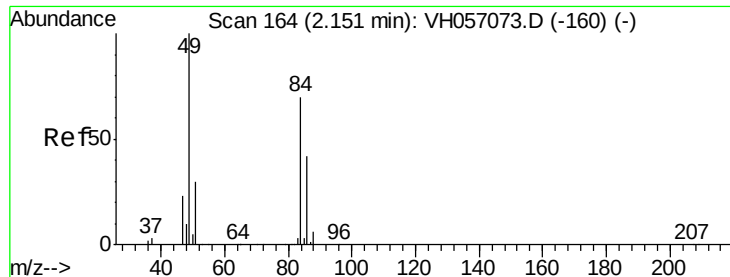
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 43.08 ug/l
RT: 2.40 min Scan# 188
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

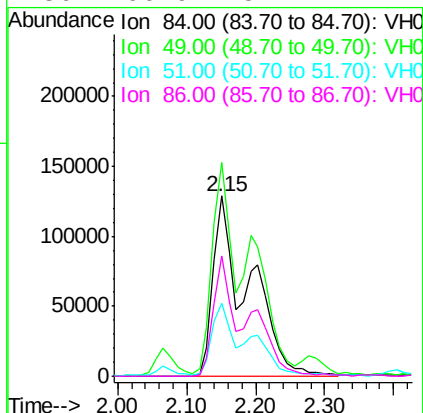
Tgt Ion: 73 Resp: 1497054
Ion Ratio Lower Upper
73 100
57 19.6 18.0 27.0





#21
Methylene Chloride
Concen: 48.03 ug/l m
RT: 2.15 min Scan# 164
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

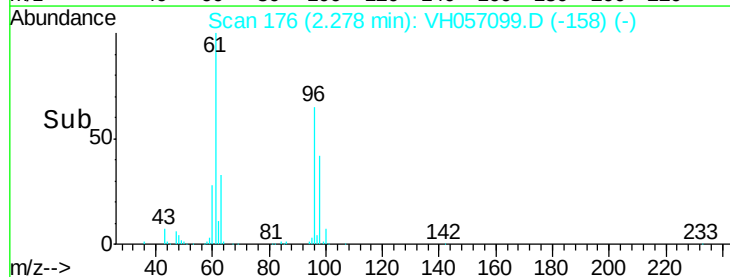
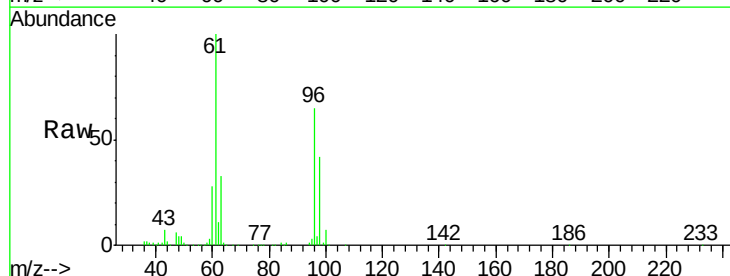
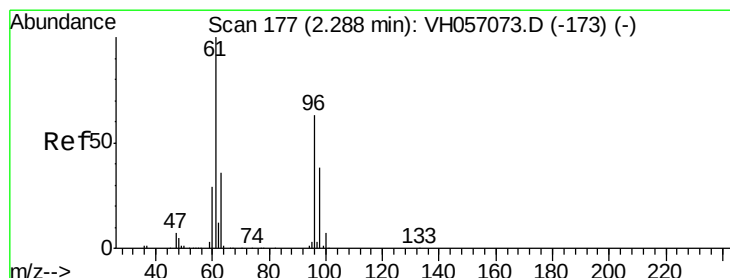
Tot Ion	Ratio	Resp	Lower	Upper
84	100			
49	118.6	132.8	199.2#	
51	40.3	39.5	59.3	
86	66.9	51.4	77.2	



Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

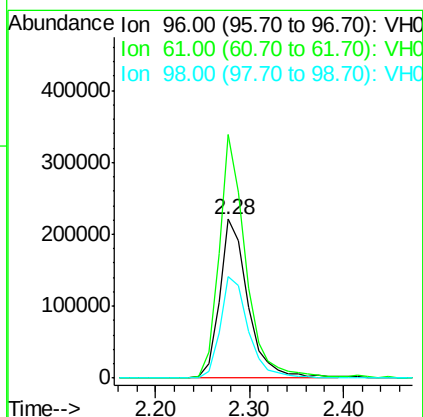
Manual Integrations
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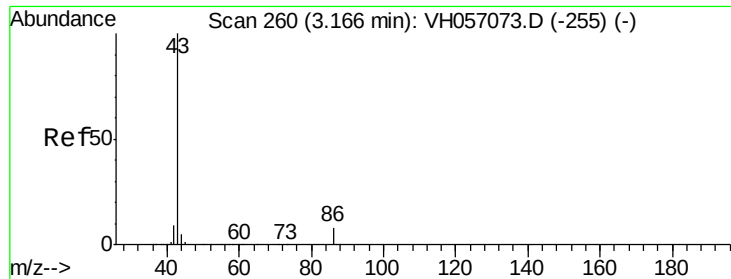
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 48.77 ug/l
RT: 2.28 min Scan# 176
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.4	131.7	197.5	
98	63.8	49.5	74.3	





#23

Vinyl Acetate

Concen: 203.72 ug/l

RT: 3.16 min Scan# 260

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4043507

Ion Ratio Lower Upper

43 100

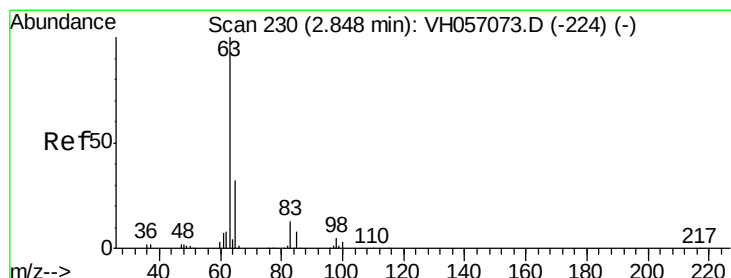
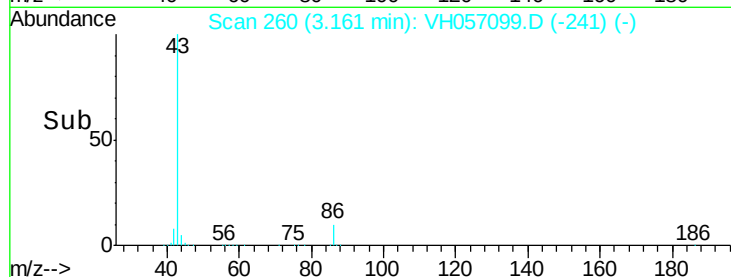
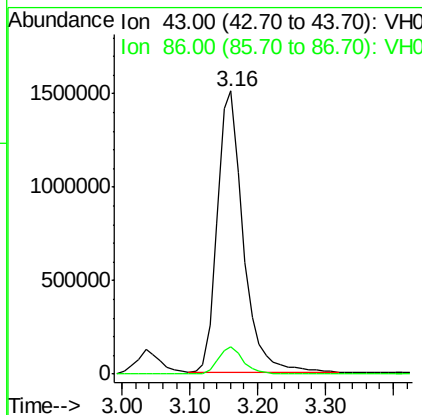
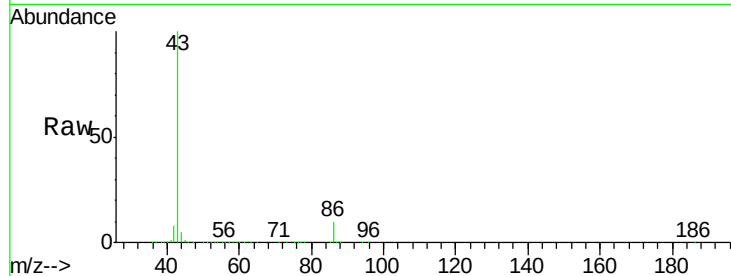
86 9.6 6.2 9.2#

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#24

1,1-Dichloroethane

Concen: 43.03 ug/l

RT: 2.84 min Scan# 229

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

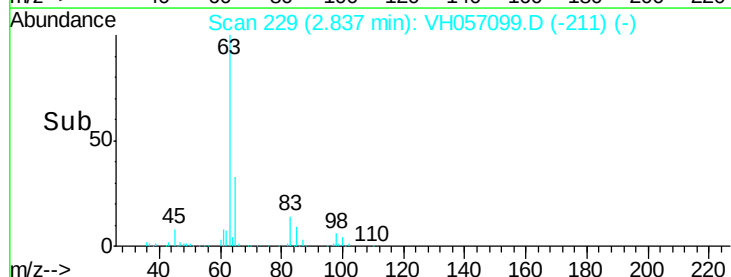
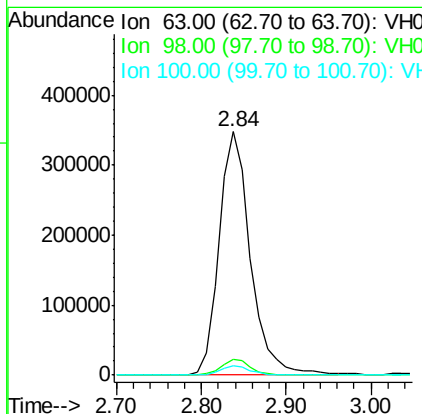
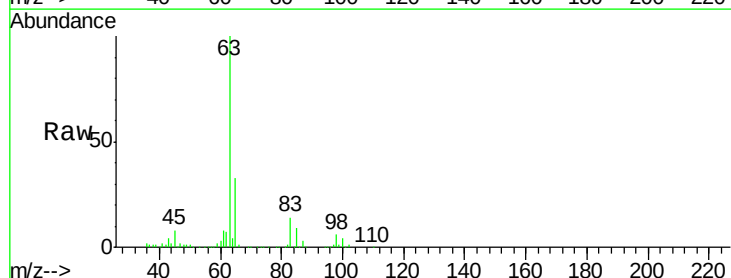
Tgt Ion: 63 Resp: 888641

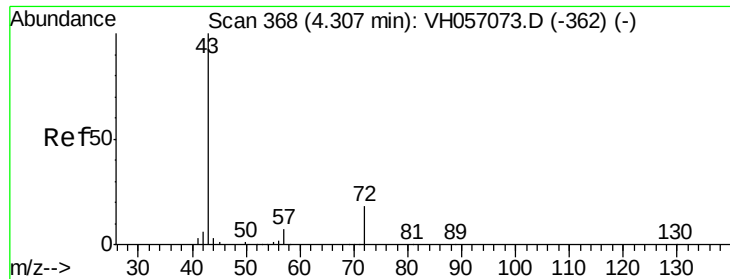
Ion Ratio Lower Upper

63 100

98 6.5 2.6 7.8

100 3.8 1.7 5.0





#25

2-Butanone

Concen: 200.88 ug/l

RT: 4.30 min Scan# 368

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tot Ion: 43 Resp: 3134797

Ion Ratio Lower Upper

43 100

72 22.5 0.0 39.2

Instrument :

MSVOA_H

ClientSampleId :

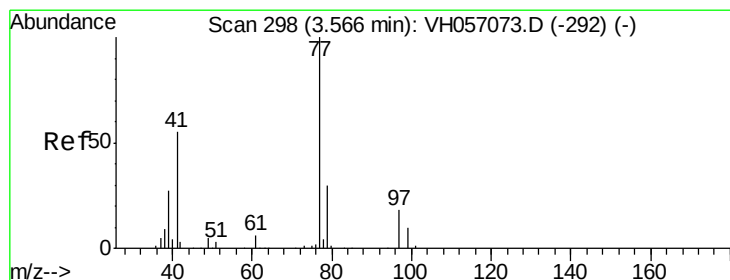
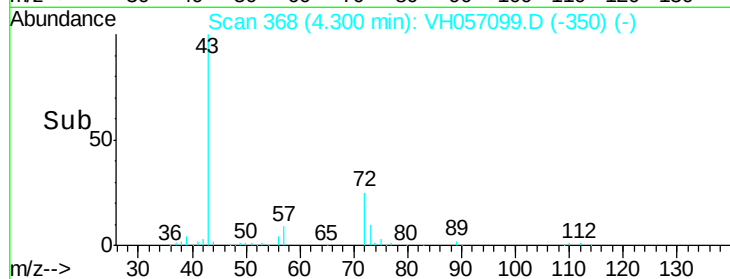
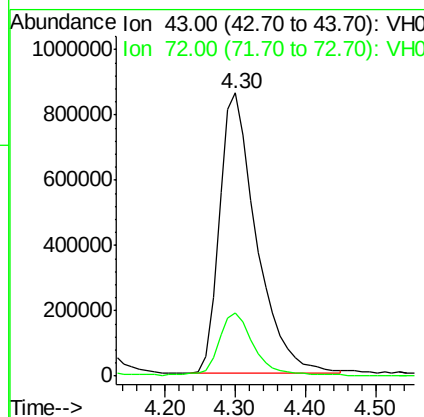
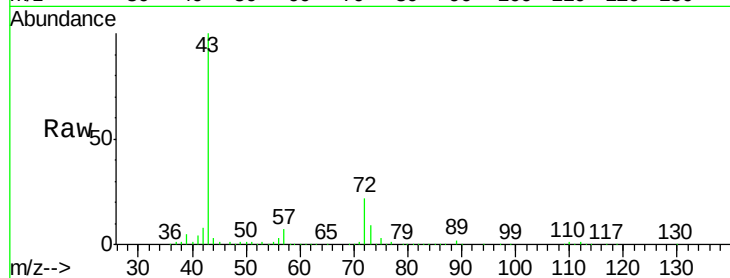
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 42.72 ug/l

RT: 3.56 min Scan# 298

Delta R.T. -0.00 min

Lab File: VH057099.D

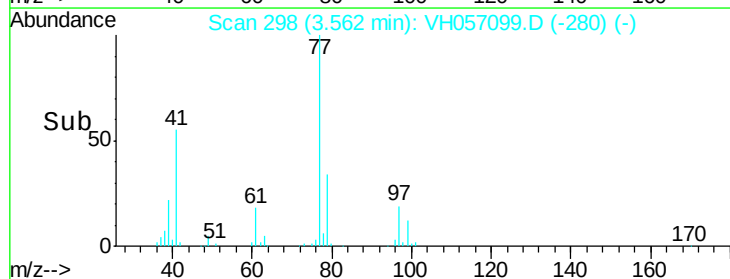
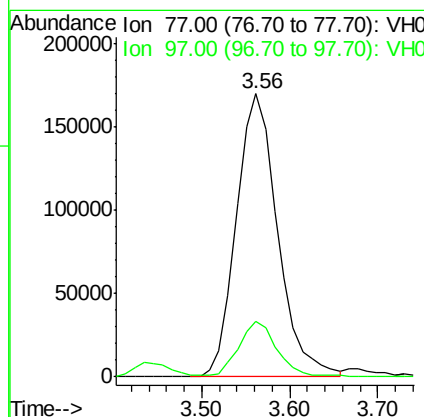
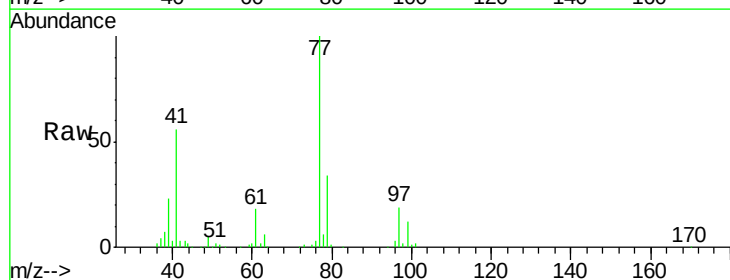
Acq: 21 Sep 2015 19:07

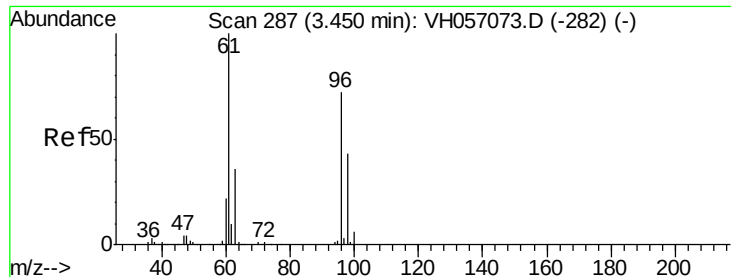
Tgt Ion: 77 Resp: 553852

Ion Ratio Lower Upper

77 100

97 19.4 8.8 26.4





#27

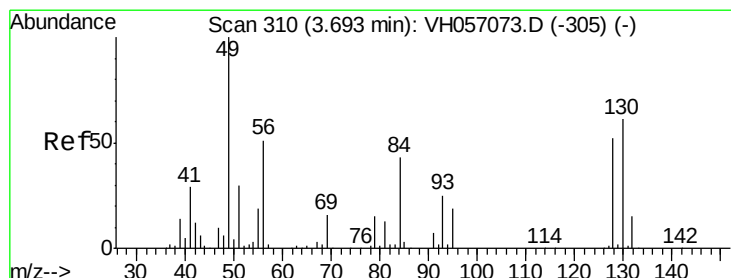
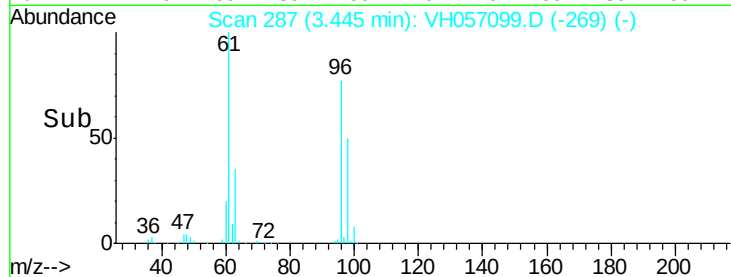
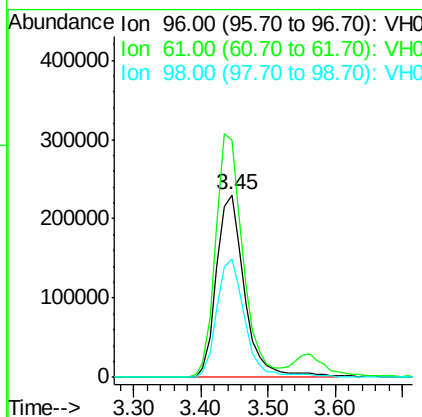
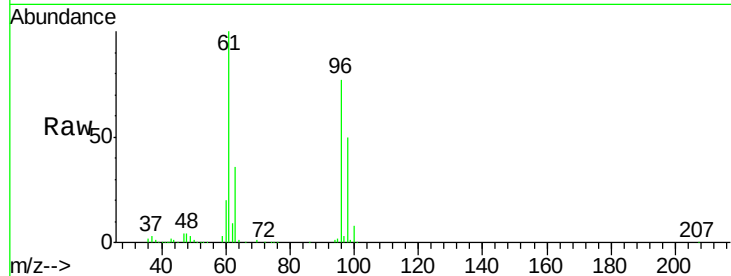
cis-1,2-Dichloroethene
Concen: 49.70 ug/l
RT: 3.45 min Scan# 287
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	115.4	173.0
98	64.8	49.7	74.5

Manual Integrations
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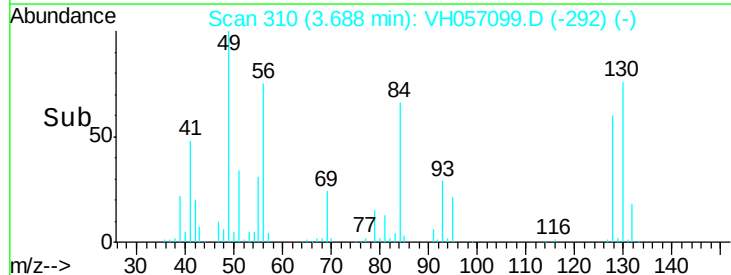
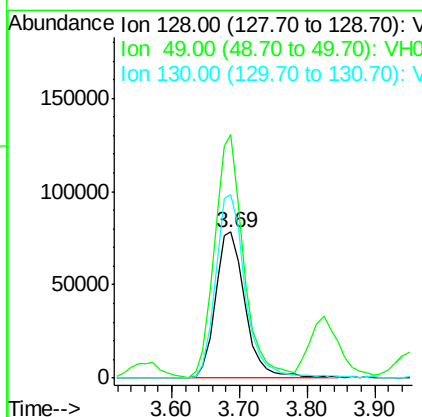
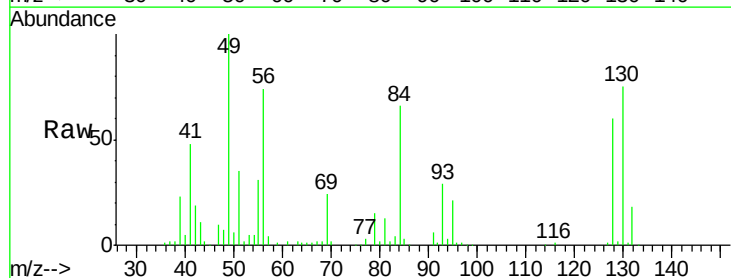
MMDadoda
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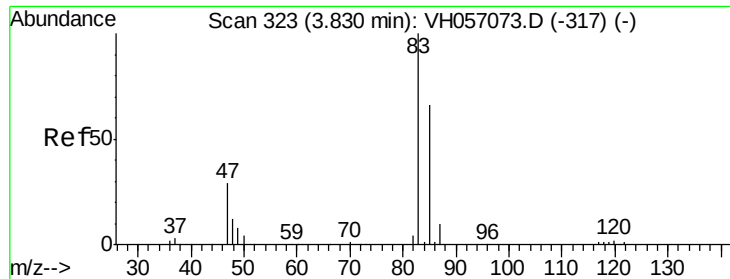


#28

Bromochloromethane
Concen: 54.12 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	166.5	0.0	441.4
130	125.6	100.7	151.1





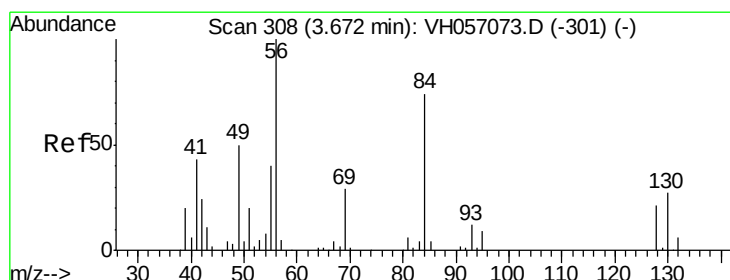
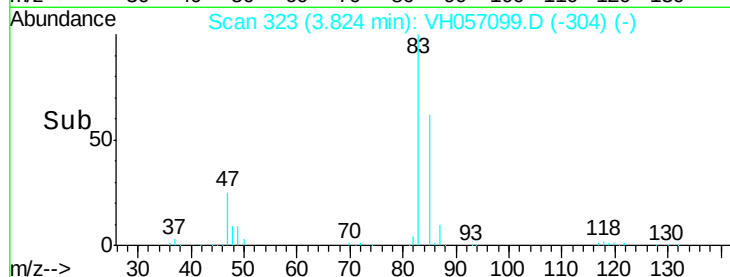
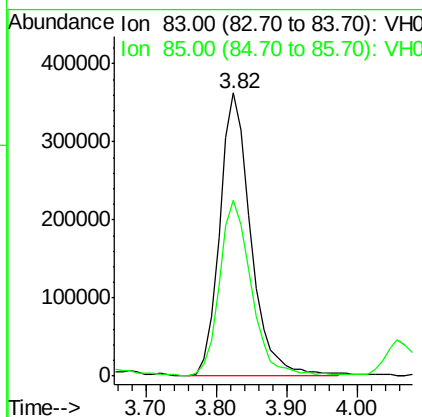
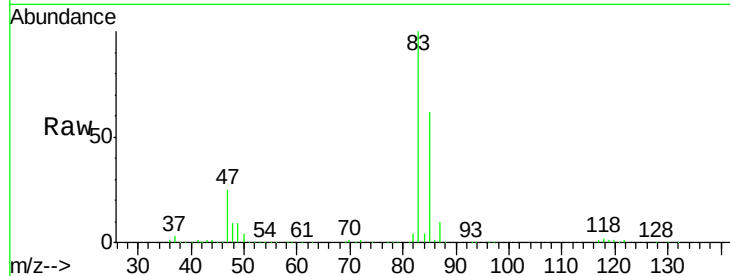
#29
Chloroform
Concen: 44.95 ug/l
RT: 3.82 min Scan# 323
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 1097196
Ion Ratio Lower Upper
83 100
85 62.2 54.3 81.5

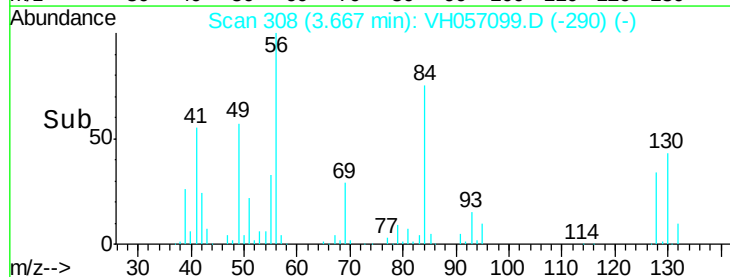
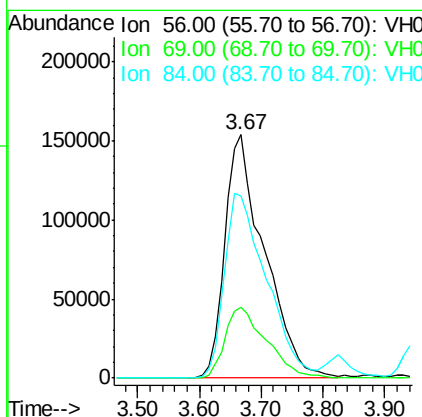
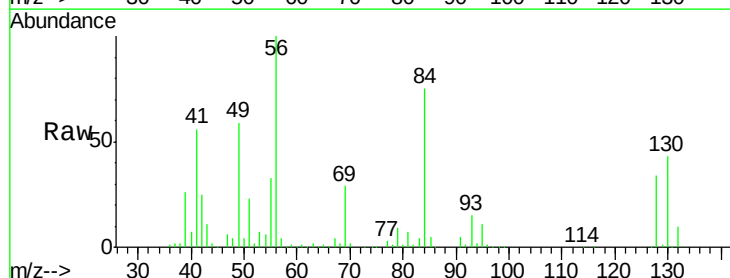
Manual Integrations
APPROVED

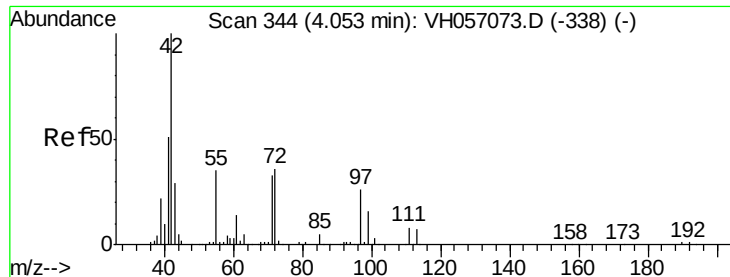
MMDadoda
9/22/2015 2:55:08 PM



#30
Cyclohexane
Concen: 41.79 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion: 56 Resp: 691506
Ion Ratio Lower Upper
56 100
69 29.1 18.1 33.7
84 75.0 0.0 136.8





#31

Tetrahydrofuran

Concen: 201.03 ug/l

RT: 4.04 min Scan# 343

Delta R.T. -0.02 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 1760896

Ion Ratio Lower Upper

42 100

72 38.8 25.5 38.3#

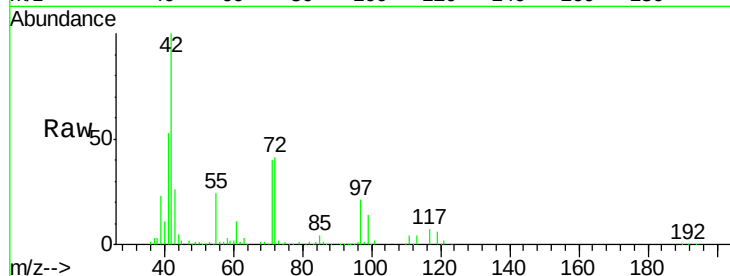
71 38.7 25.4 38.0#

Manual Integrations

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MMDadoda

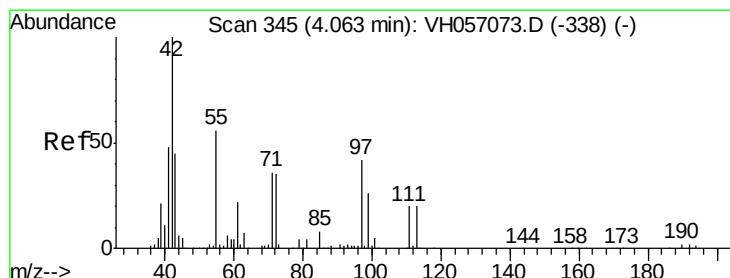
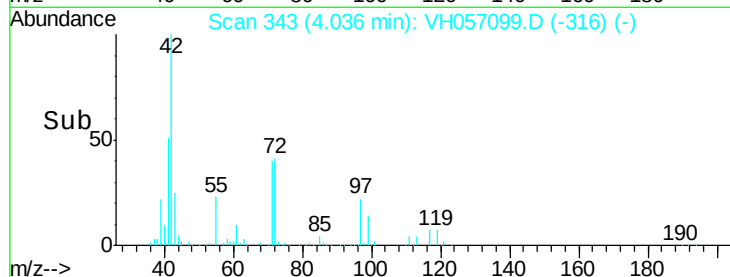
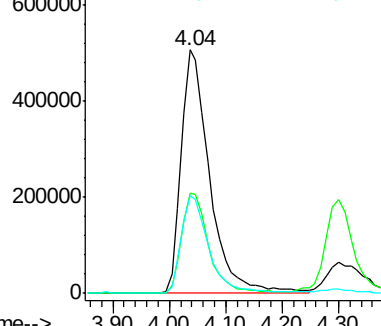
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Abundance Ion 42.00 (41.70 to 42.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

Ion 71.00 (70.70 to 71.70): VH0



#32

1,1,1-Trichloroethane

Concen: 42.89 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

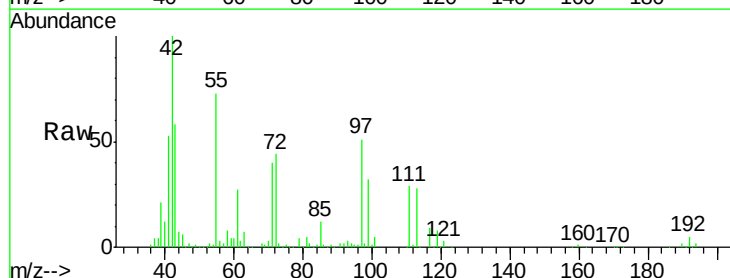
Tgt Ion: 97 Resp: 753786

Ion Ratio Lower Upper

97 100

99 62.9 49.8 74.6

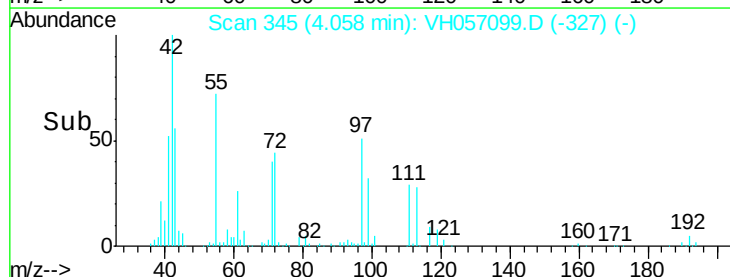
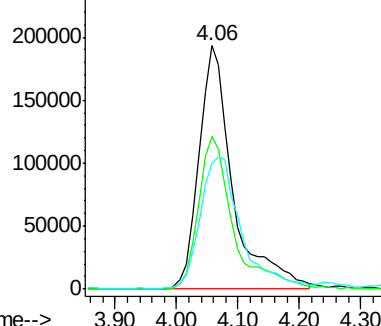
61 51.9 45.0 67.4

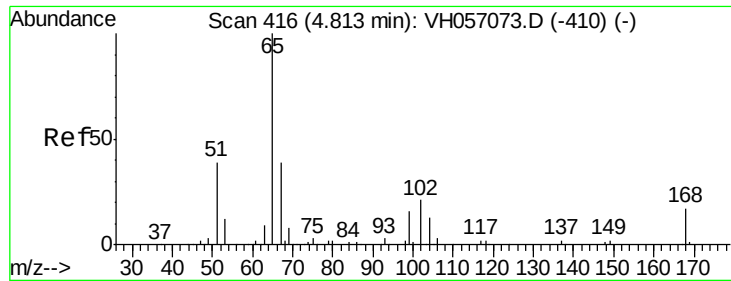


Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 99.00 (98.70 to 99.70): VH0

Ion 61.00 (60.70 to 61.70): VH0





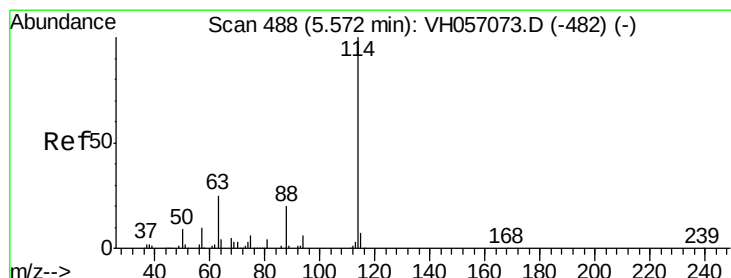
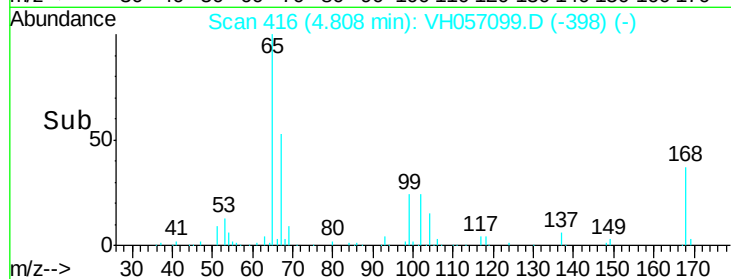
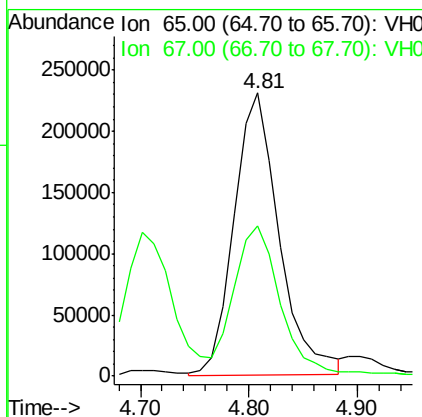
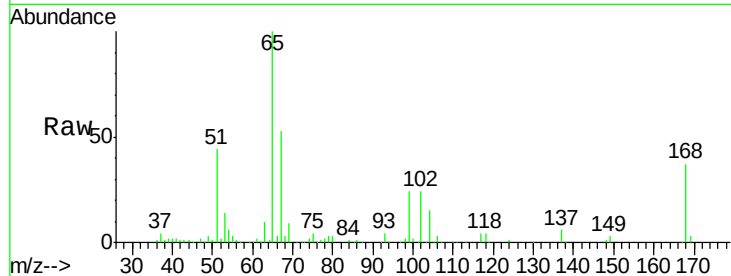
#33
 1,2-Dichloroethane-d4
 Concen: 39.35 ug/l
 RT: 4.81 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 661085
 Ion Ratio Lower Upper
 65 100
 67 53.0 43.2 64.8

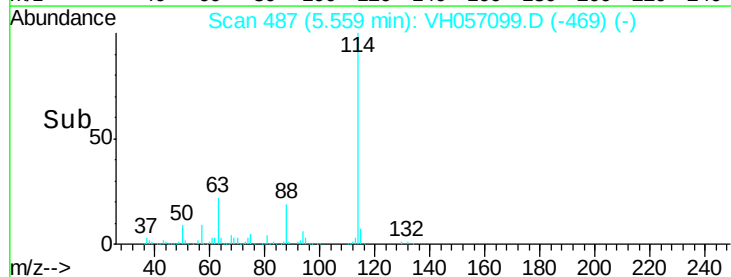
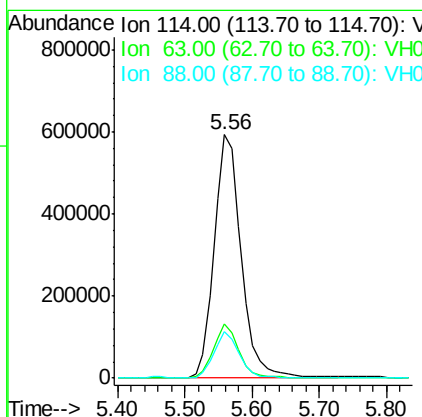
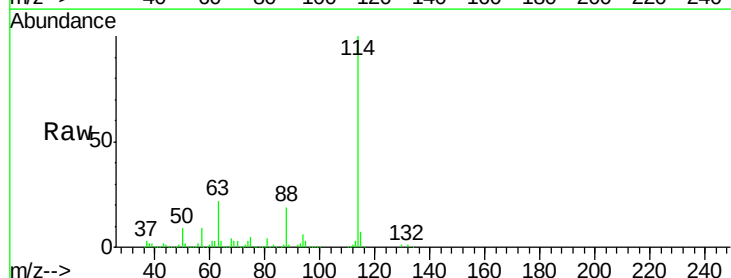
Manual Integrations
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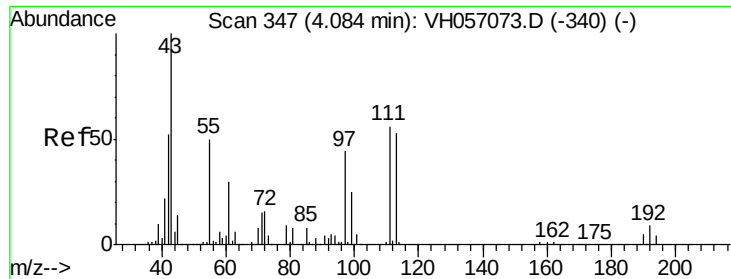
MMDadoda
 9/22/2015 2:55:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Tgt Ion: 114 Resp: 1652693
 Ion Ratio Lower Upper
 114 100
 63 22.1 19.0 28.4
 88 18.9 15.7 23.5





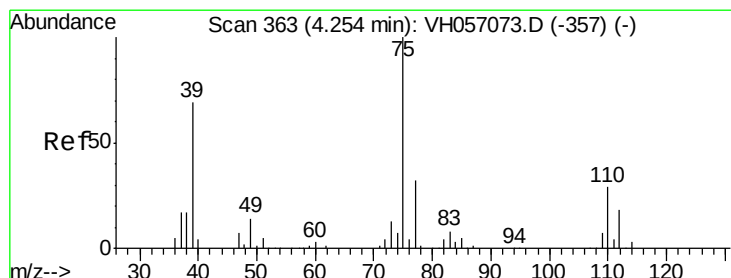
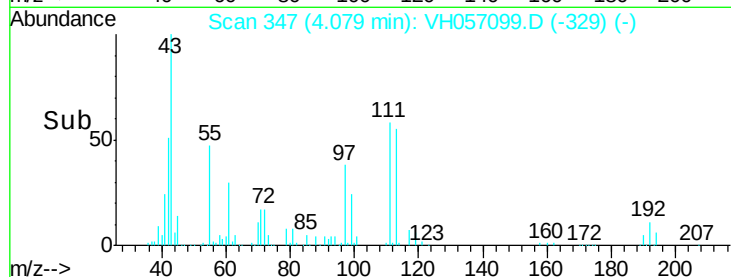
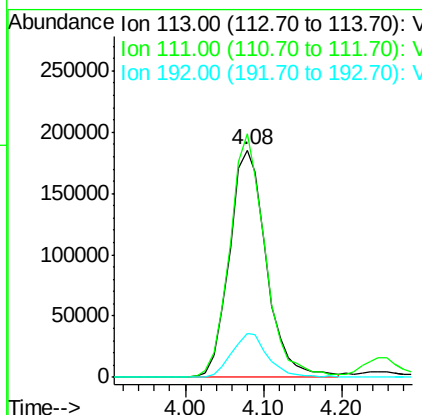
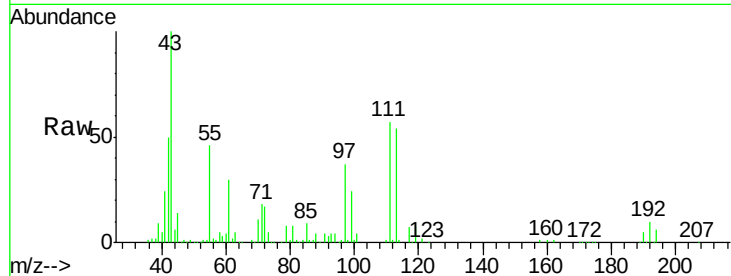
#35
Dibromofluoromethane
Concen: 46.12 ug/l
RT: 4.08 min Scan# 347
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	606843		
111	107.0	84.0	126.0	
192	19.3	13.6	20.4	

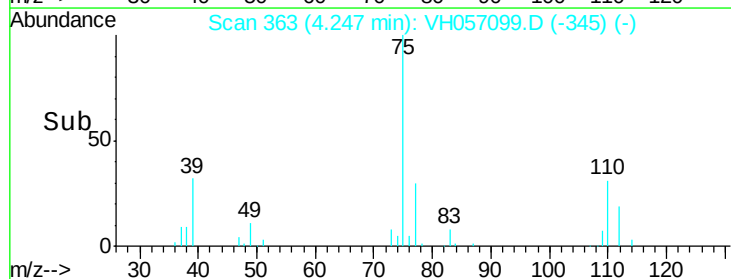
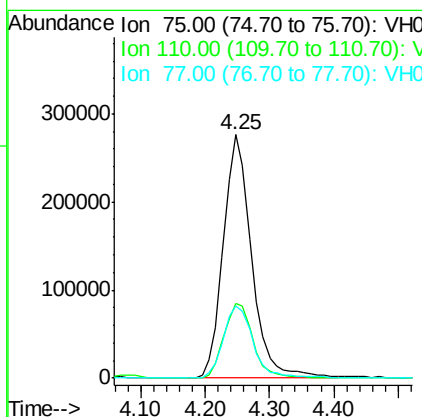
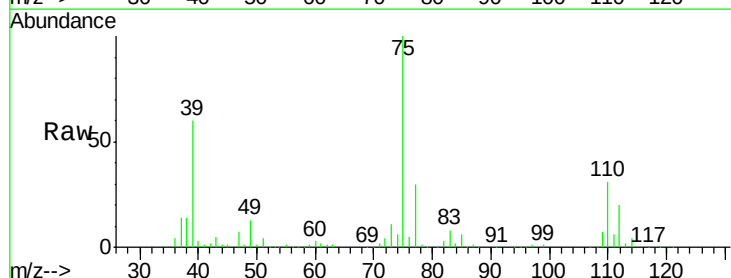
Manual Integrations
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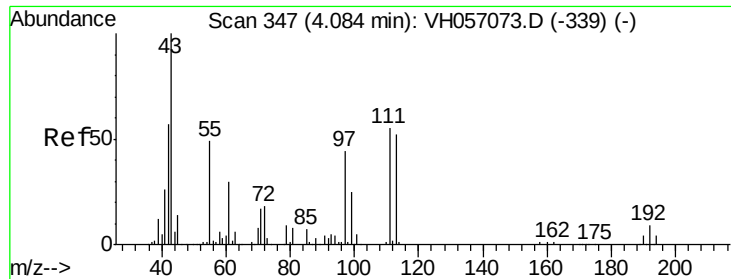
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.13 ug/l
RT: 4.25 min Scan# 363
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	837725		
110	30.8	13.7	41.1	
77	29.9	24.0	36.0	





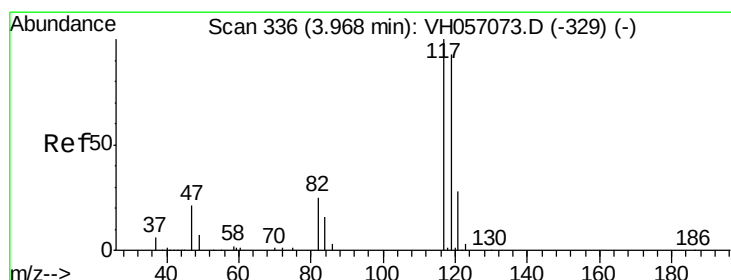
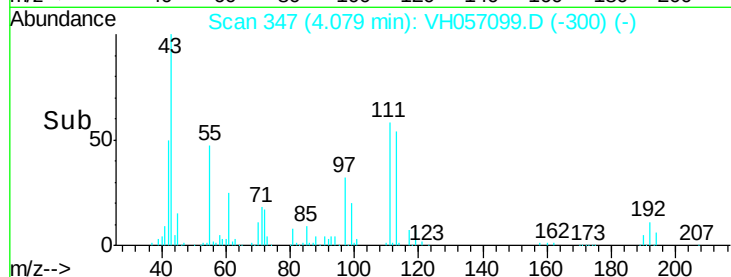
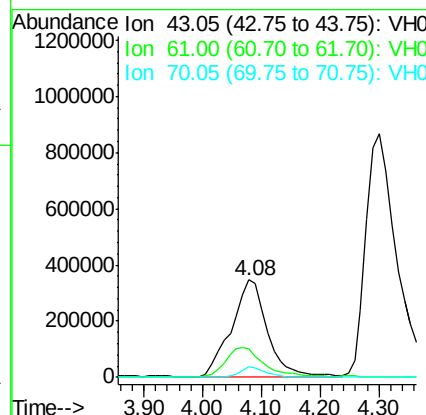
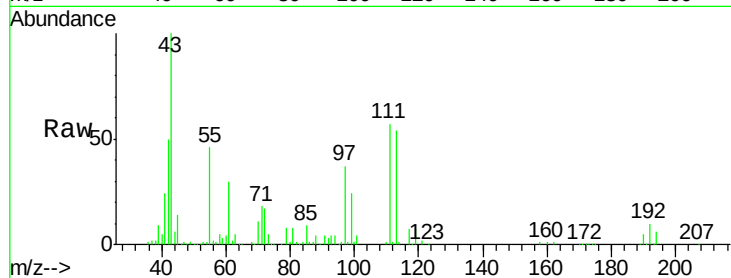
#37
Ethyl acetate
Concen: 42.20 ug/l
RT: 4.08 min Scan# 347
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1438568
Ion Ratio Lower Upper
43 100
61 34.3 23.9 35.9
70 8.2 5.4 8.0#

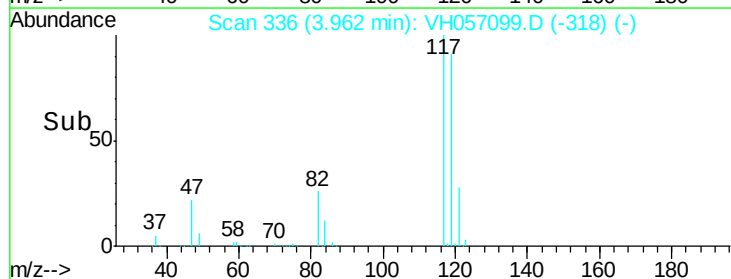
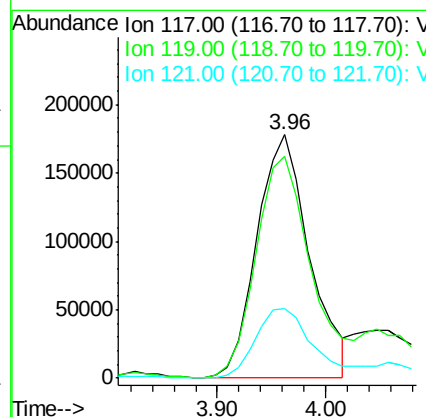
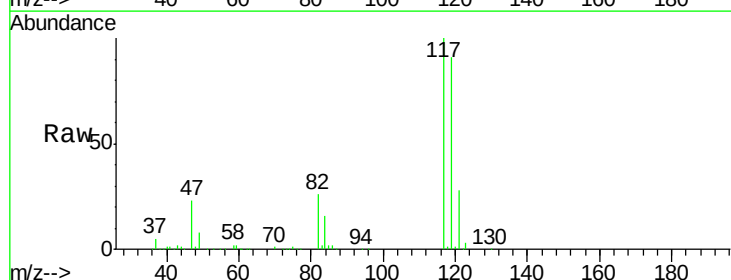
Manual Integrations
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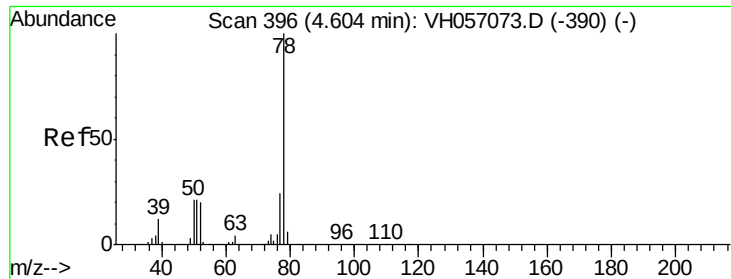
MMDadoda
9/22/2015 2:55:08 PM



#38
Carbon Tetrachloride
Concen: 42.08 ug/l
RT: 3.96 min Scan# 336
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion: 117 Resp: 594888
Ion Ratio Lower Upper
117 100
119 91.2 78.7 118.1
121 28.4 25.9 38.9





#39

Benzene

Concen: 48.56 ug/l

RT: 4.60 min Scan# 396

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 78 Resp: 2099772

Ion Ratio Lower Upper

78 100

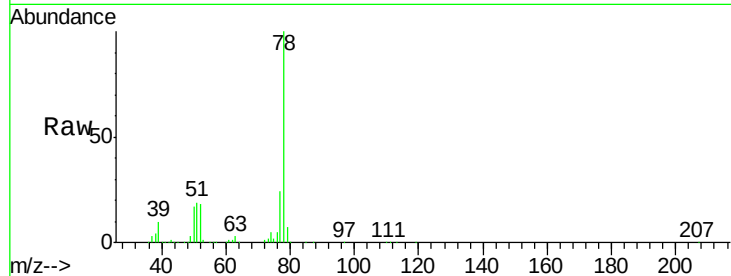
77 23.5 18.5 27.7

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0

4.60

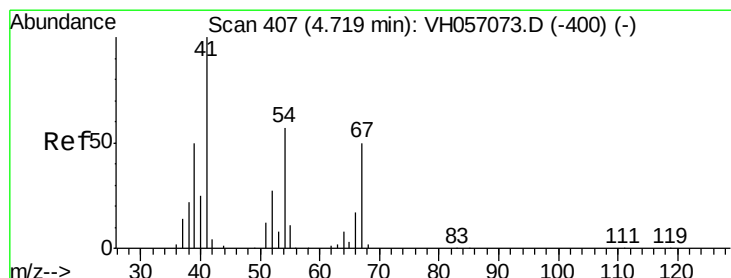
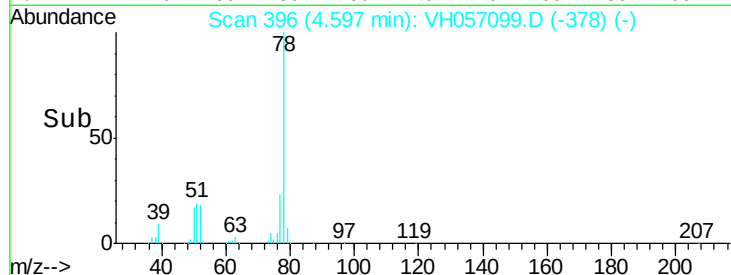
600000

400000

200000

0

Time-->



#40

Methacrylonitrile

Concen: 42.14 ug/l

RT: 4.70 min Scan# 406

Delta R.T. -0.02 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion: 41 Resp: 635843

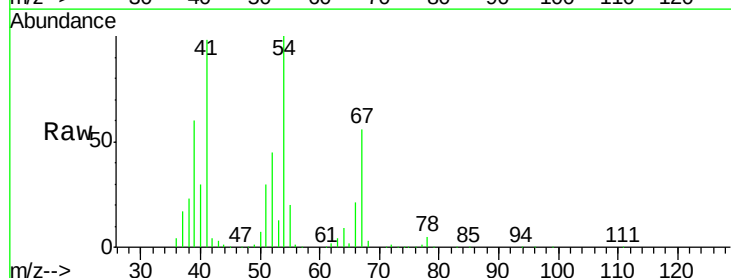
Ion Ratio Lower Upper

41 100

39 61.4 25.1 75.2

67 56.6 22.5 67.5

52 45.7 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

300000

250000

200000

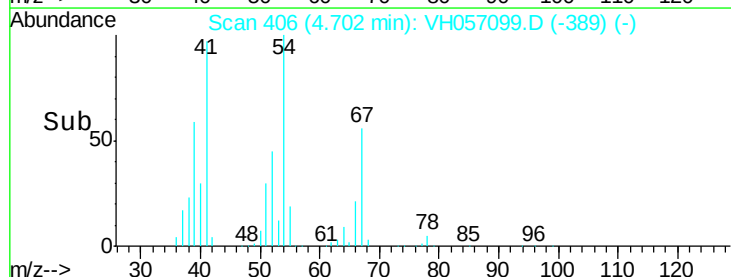
150000

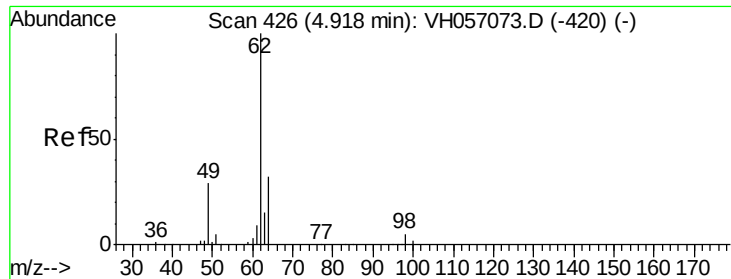
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50000

0

Time-->





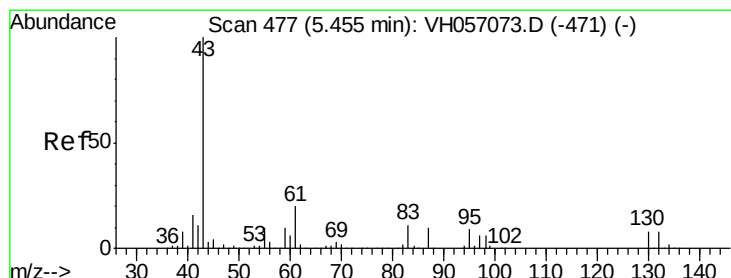
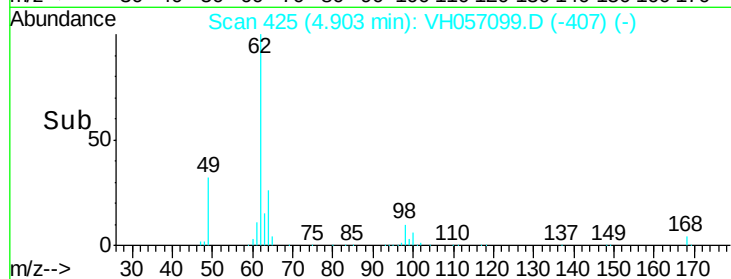
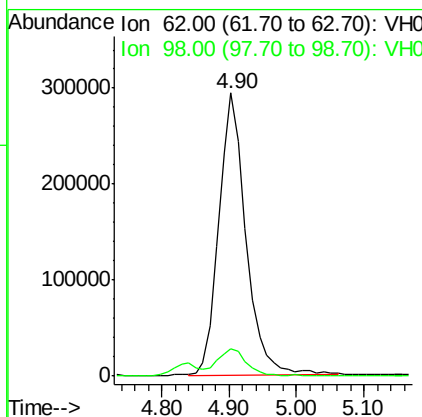
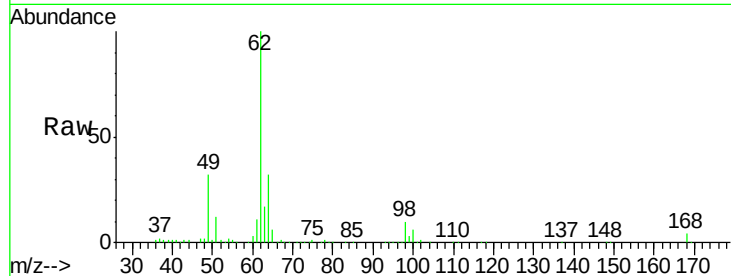
#41
 1,2-Dichloroethane
 Concen: 43.48 ug/l
 RT: 4.90 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.3	10.9

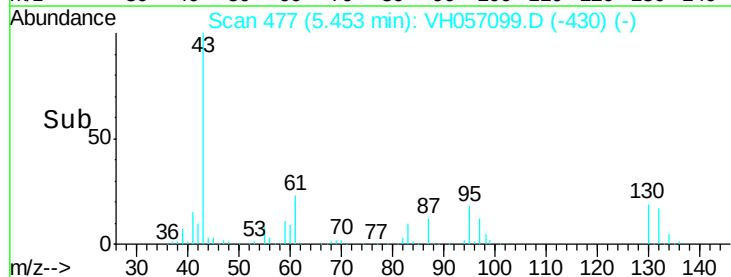
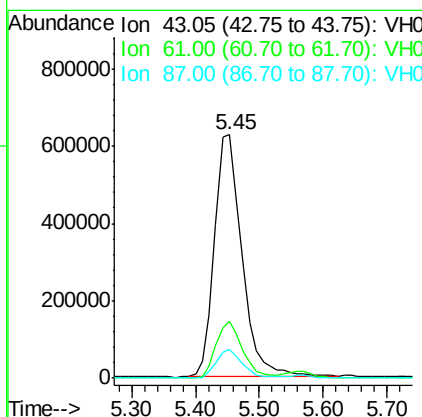
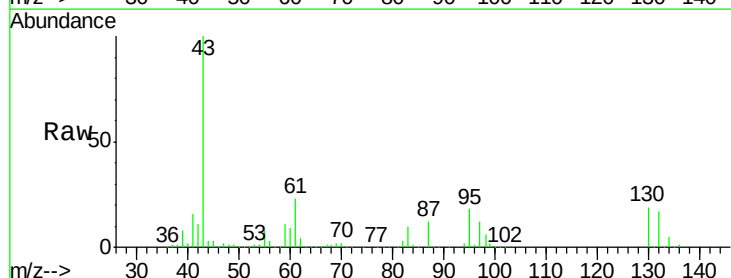
Manual Integrations
 APPROVED

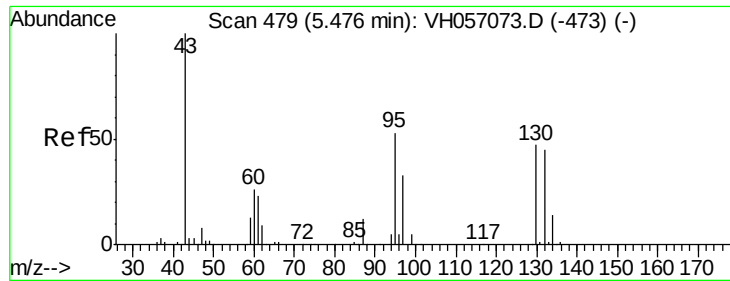
MMDadoda
 9/22/2015 2:55:08 PM



#42
 Isopropyl Acetate
 Concen: 42.11 ug/l
 RT: 5.45 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	23.2	15.8	23.6
87	11.8	7.0	10.6





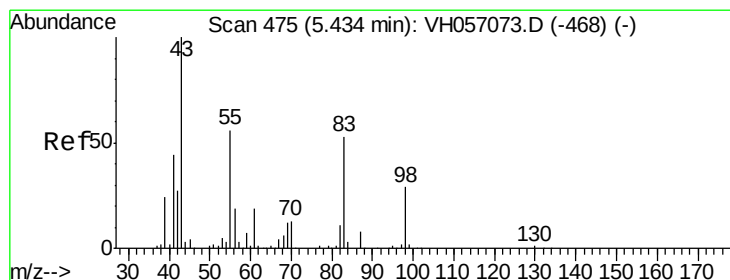
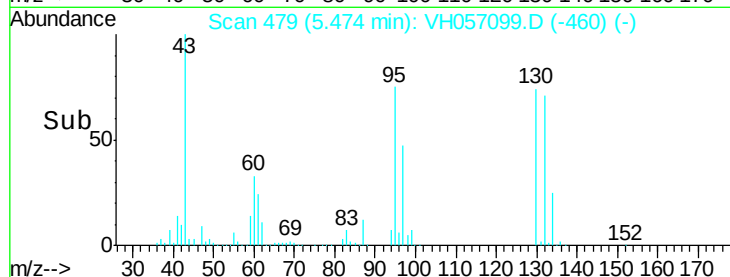
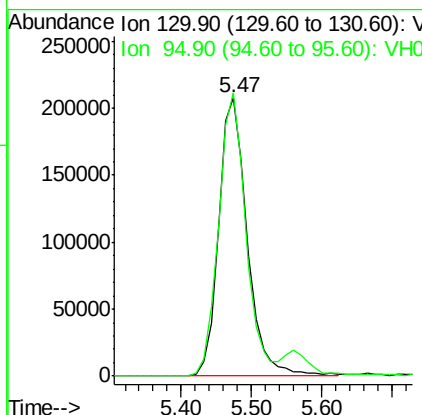
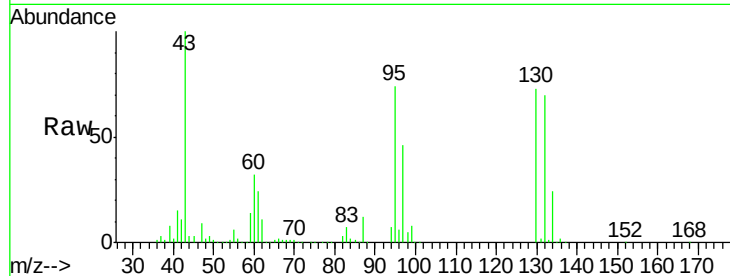
#43
 Trichloroethene
 Concen: 52.97 ug/l
 RT: 5.47 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
130	100	582102		
95	101.7	84.0	126.0	

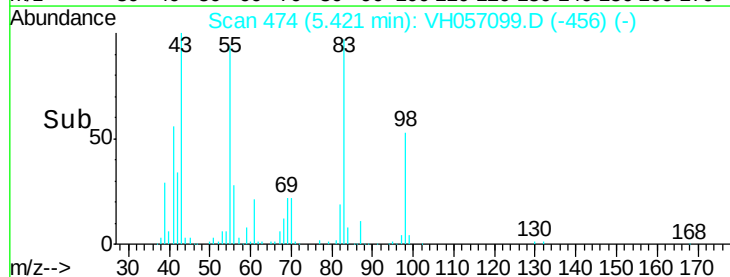
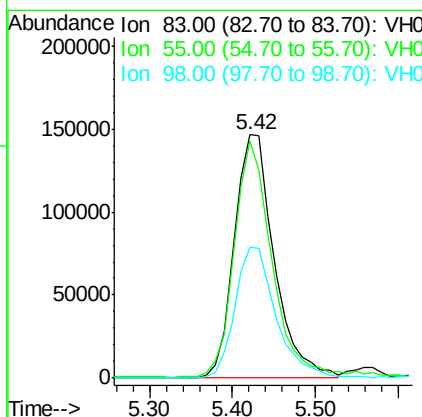
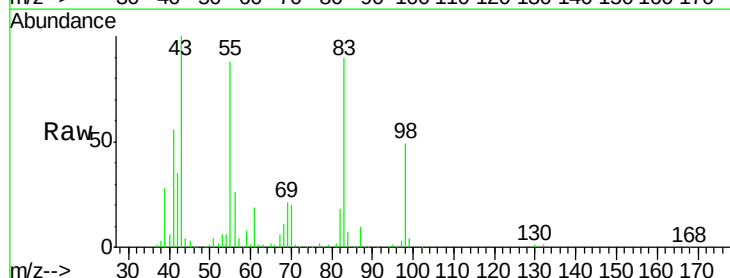
Manual Integrations
 APPROVED

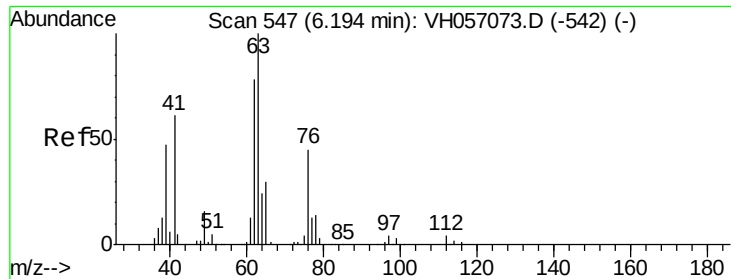
MMDadoda
 9/22/2015 2:55:08 PM



#44
 Methylcyclohexane
 Concen: 46.82 ug/l
 RT: 5.42 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	490036		
55	97.6	0.0	207.2	
98	54.0	0.0	108.4	





#45

1,2-Dichloropropane

Concen: 45.34 ug/l

RT: 6.19 min Scan# 547

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 621556

Ion Ratio Lower Upper

63 100

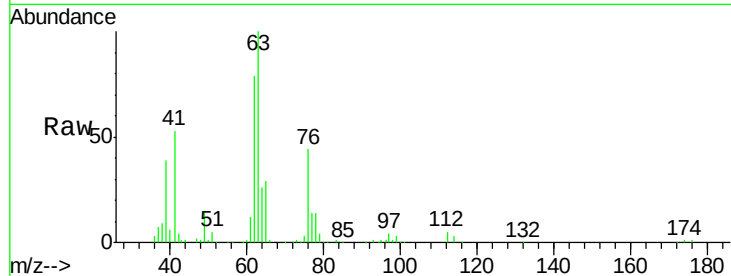
65 28.7 23.8 35.8

Manual Integrations

APPROVED

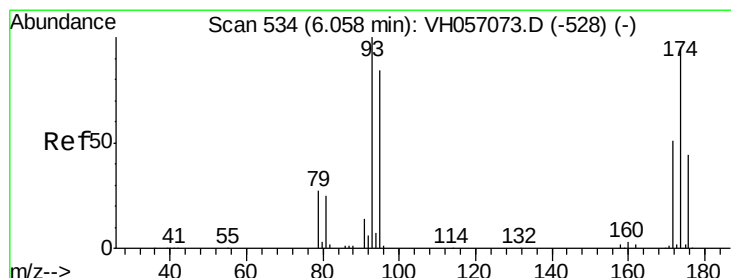
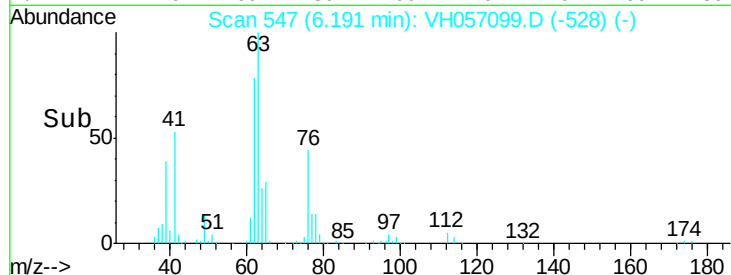
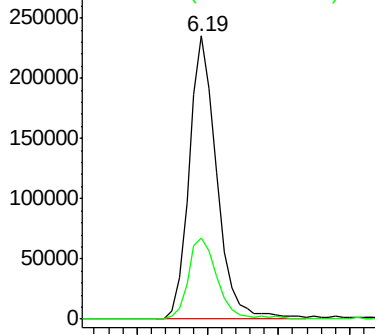
MMDadoda

9/22/2015 2:55:08 PM



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 65.00 (64.70 to 65.70): VH0



#46

Dibromomethane

Concen: 47.80 ug/l

RT: 6.04 min Scan# 533

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

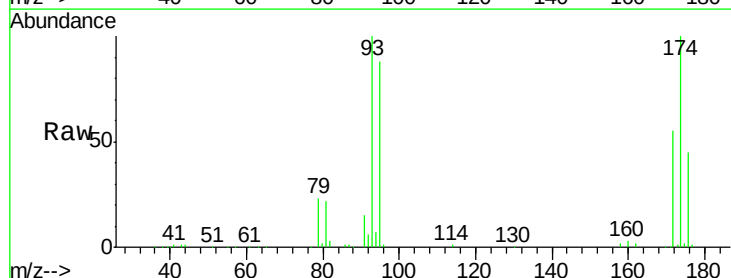
Tgt Ion: 93 Resp: 426147

Ion Ratio Lower Upper

93 100

95 88.5 69.5 104.3

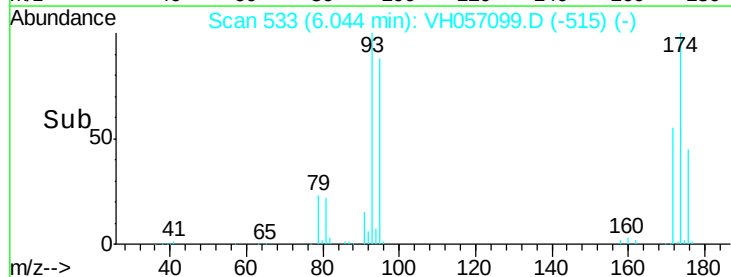
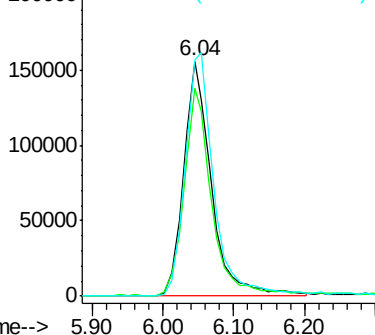
174 100.3 75.8 113.6

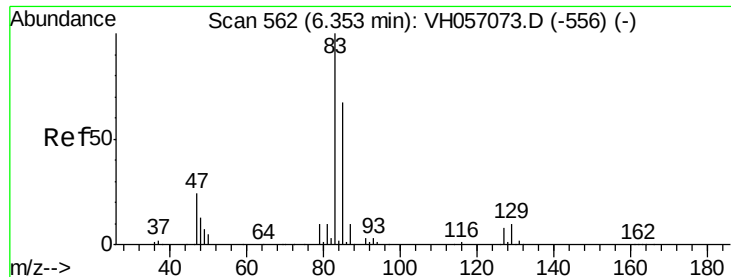


Abundance Ion 93.00 (92.70 to 93.70): VH0

Ion 95.00 (94.70 to 95.70): VH0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 45.74 ug/l

RT: 6.34 min Scan# 561

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

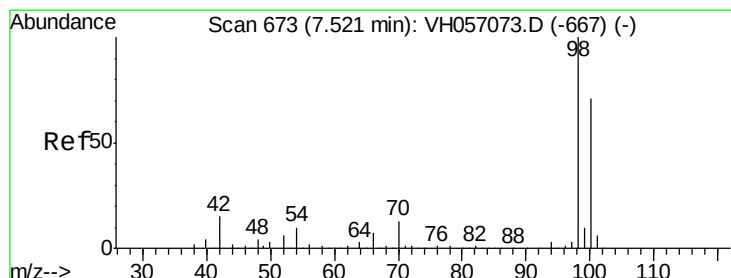
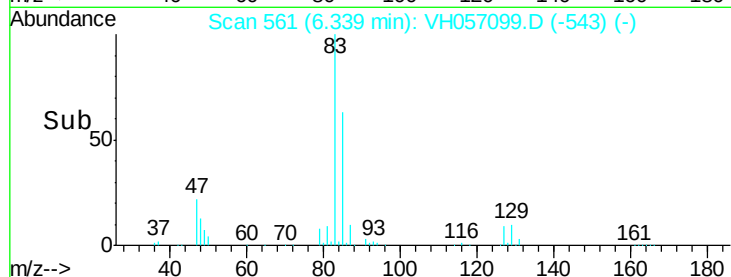
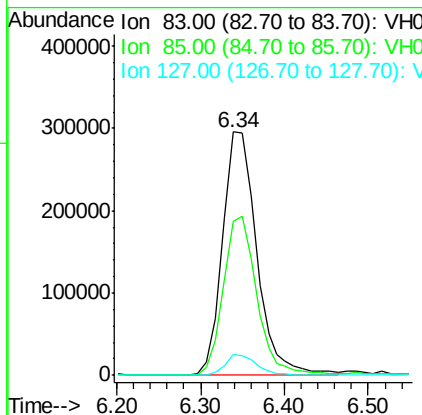
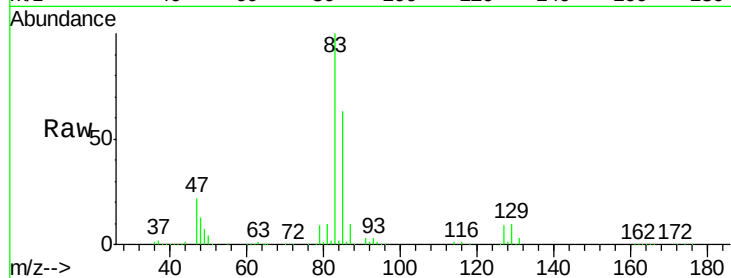
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	835350
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.6	78.8
127	8.5	6.8	10.2

Manual Integrations
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#48

Toluene-d8

Concen: 46.98 ug/l

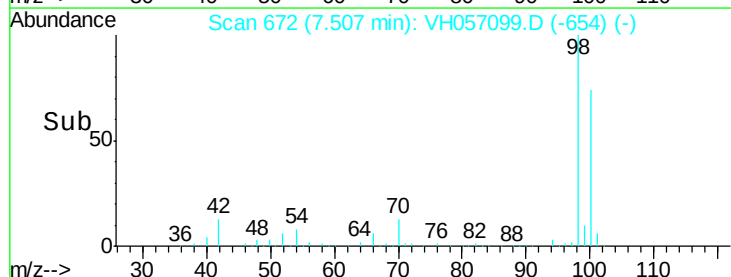
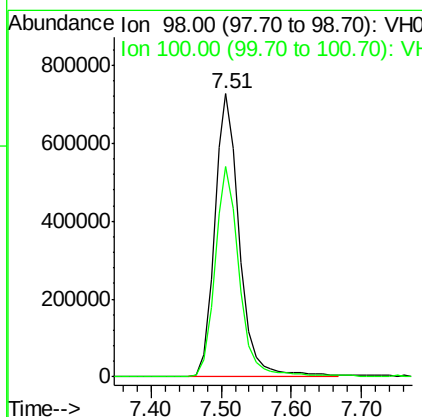
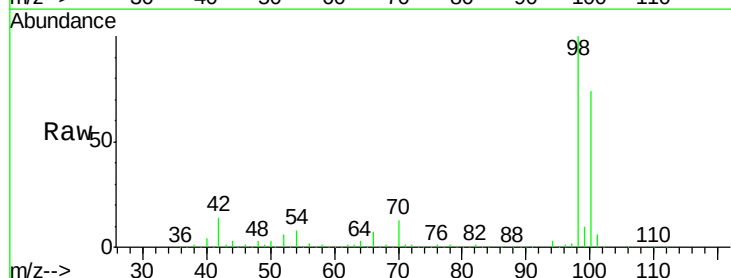
RT: 7.51 min Scan# 672

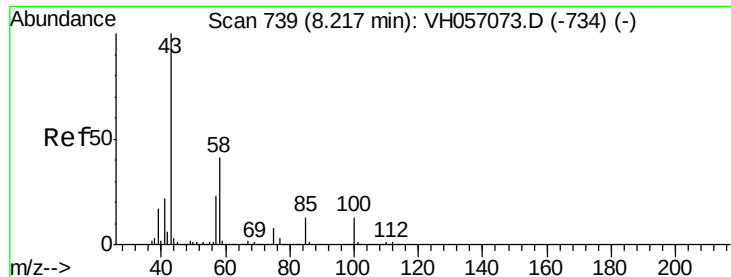
Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion:	98	Resp:	1777427
Ion Ratio	Lower	Upper	
98	100		
100	74.2	56.7	85.1





#49

4-Methyl-2-Pentanone

Concen: 206.26 ug/l

RT: 8.20 min Scan# 738

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5561372

Ion Ratio Lower Upper

43 100

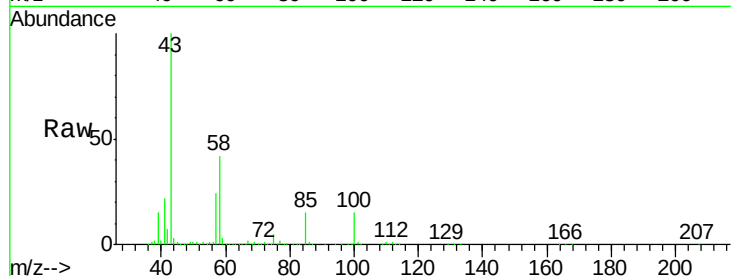
58 42.5 20.0 60.0

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Abundance Ion 43.00 (42.70 to 43.70): VH057073.D (-734) (-)

Ion 58.00 (57.70 to 58.70): VH057073.D (-734) (-)

2500000

2000000

1500000

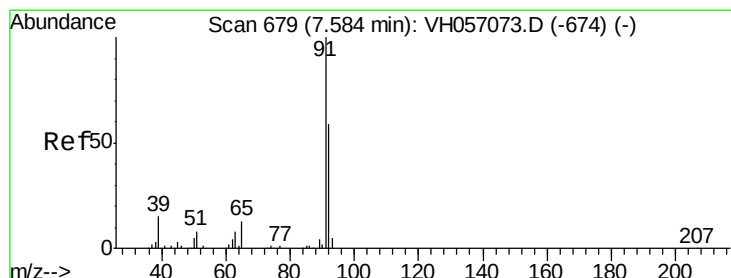
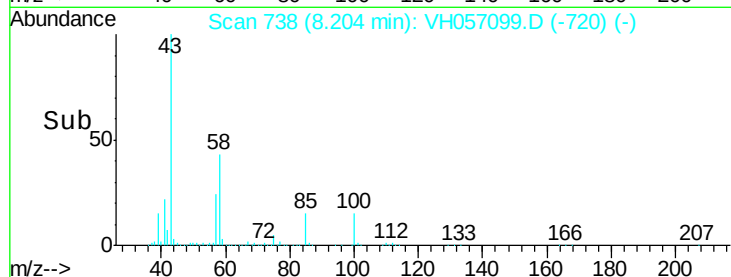
1000000

500000

0

8.10 8.20 8.30 8.40

Time-->



#50

Toluene

Concen: 48.93 ug/l

RT: 7.58 min Scan# 679

Delta R.T. -0.00 min

Lab File: VH057099.D

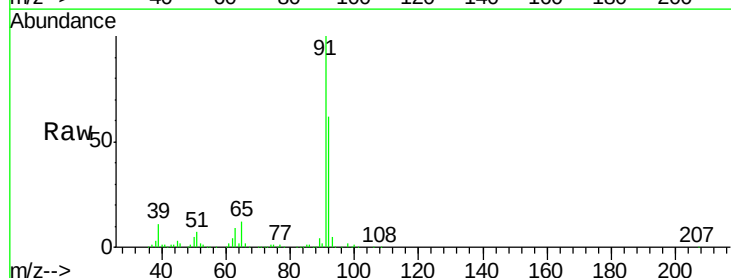
Acq: 21 Sep 2015 19:07

Tgt Ion: 92 Resp: 1354668

Ion Ratio Lower Upper

92 100

91 160.6 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH057073.D (-674) (-)

Ion 91.00 (90.70 to 91.70): VH057073.D (-674) (-)

1000000

800000

600000

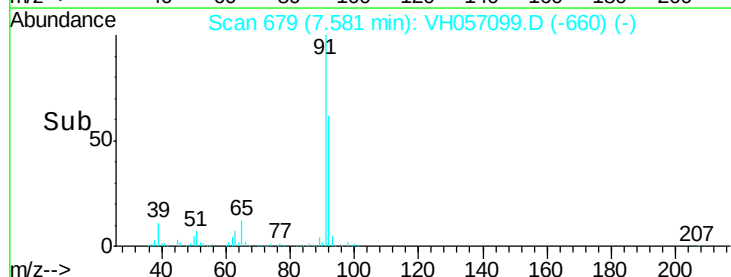
400000

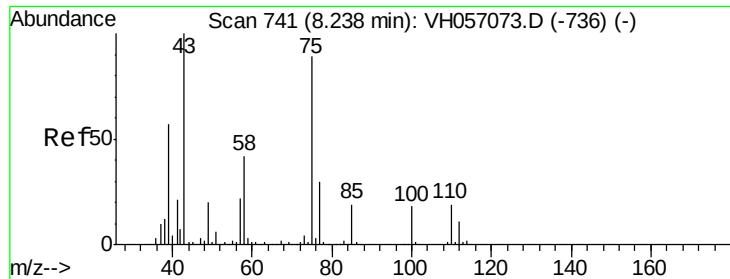
200000

0

7.50 7.60 7.70 7.80

Time-->





#51

t-1,3-Dichloropropene

Concen: 46.92 ug/l

RT: 8.22 min Scan# 740

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tot Ion: 75 Resp: 982531

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

Instrument :

MSVOA_H

ClientSampleId :

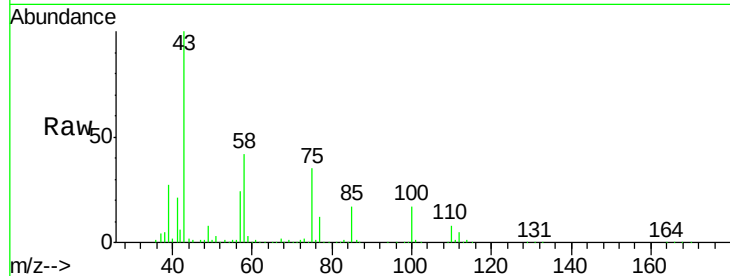
VSTDCCC050EC

Manual Integrations

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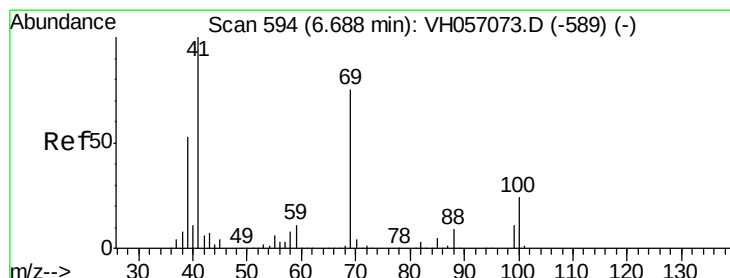
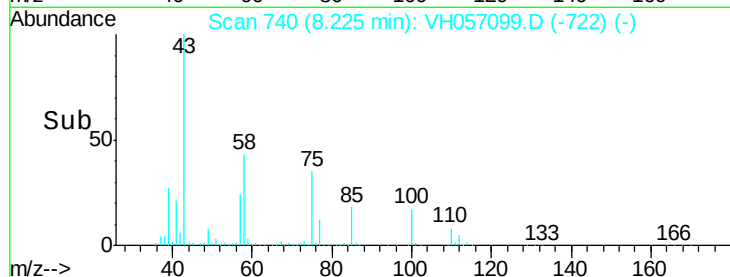
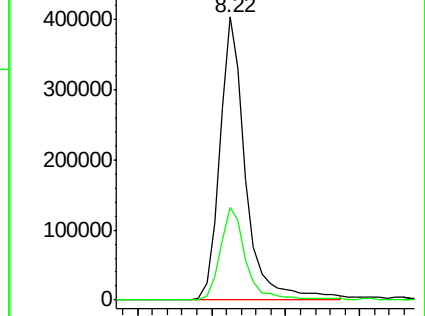
MMDadoda

9/22/2015 2:55:08 PM



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0



#52

Methyl Methacrylate

Concen: 48.72 ug/l

RT: 6.67 min Scan# 593

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

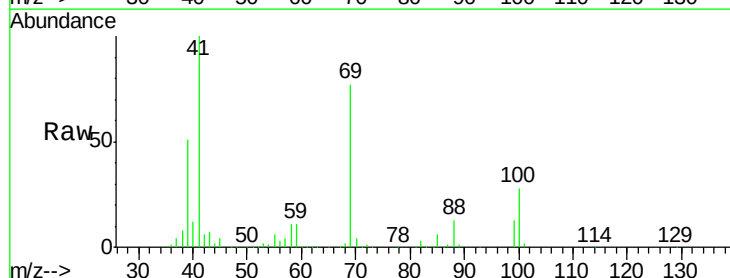
Tgt Ion: 69 Resp: 661014

Ion Ratio Lower Upper

69 100

41 130.1 70.0 209.8

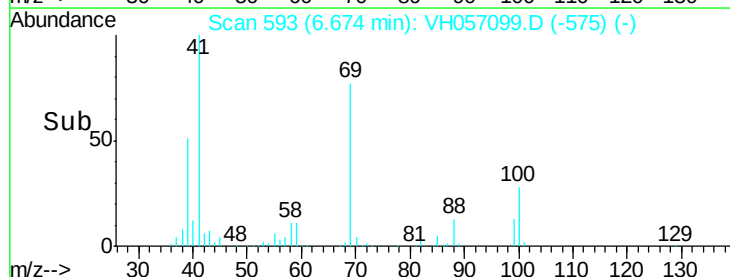
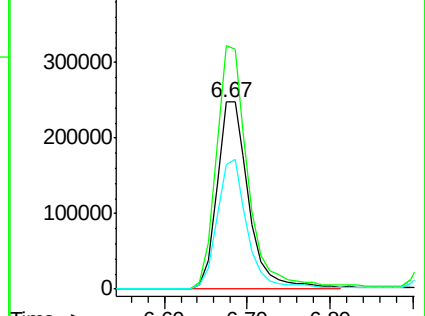
39 66.4 37.5 112.5

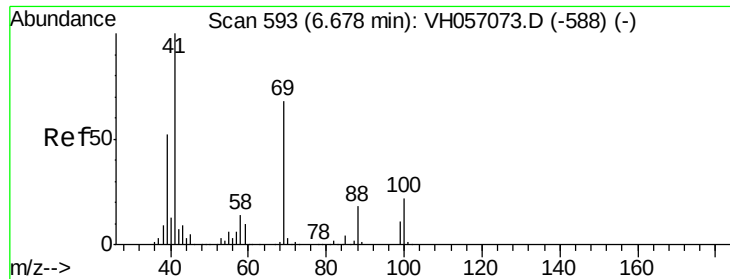


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





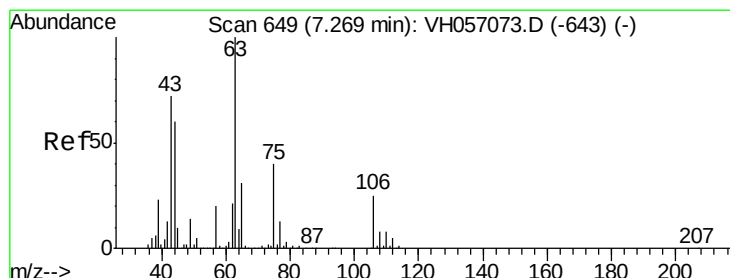
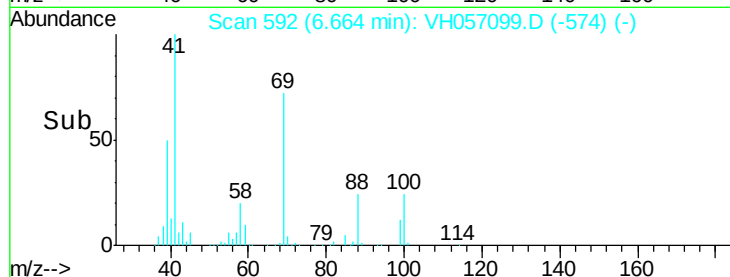
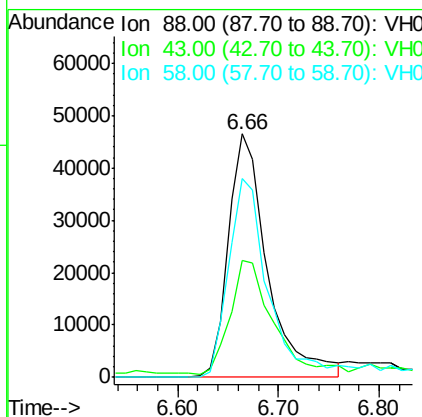
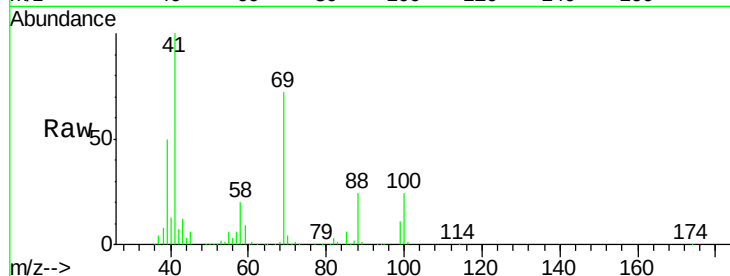
#53
1,4-Dioxane
Concen: 791.05 ug/l
RT: 6.66 min Scan# 592
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	48.2	39.6	59.4	
58	81.6	61.4	92.2	

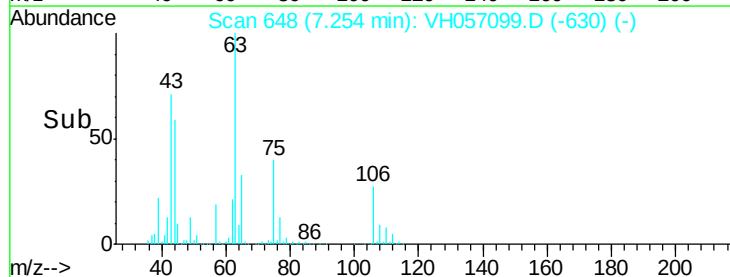
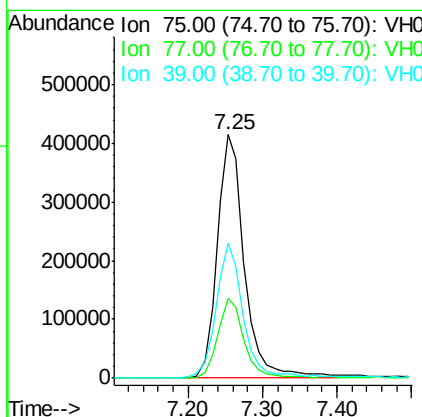
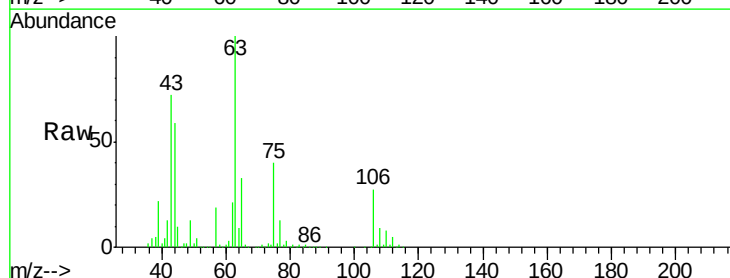
Manual Integrations
APPROVED

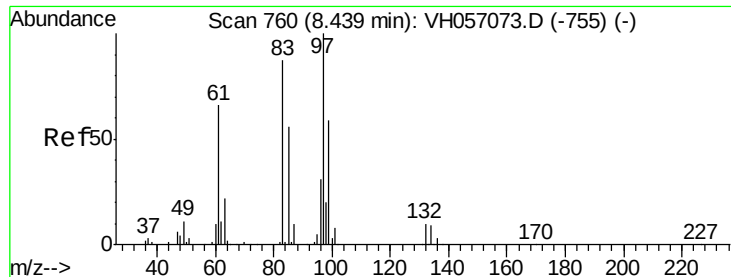
MMDadoda
9/22/2015 2:55:08 PM



#54
cis-1,3-Dichloropropene
Concen: 47.62 ug/l
RT: 7.25 min Scan# 648
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	33.0	25.2	37.8	
39	55.6	50.7	76.1	





#55

1,1,2-Trichloroethane

Concen: 47.73 ug/l

RT: 8.44 min Scan# 760

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

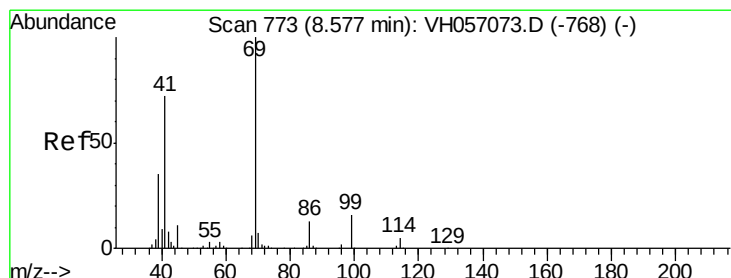
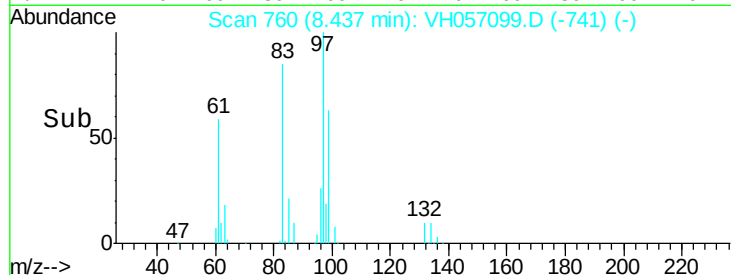
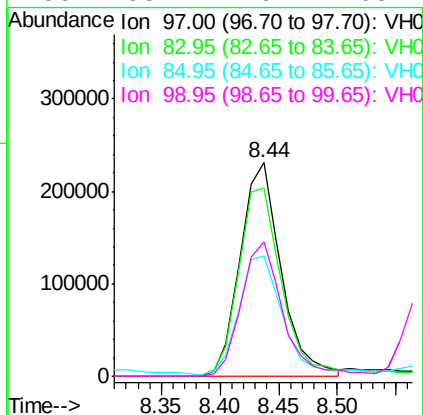
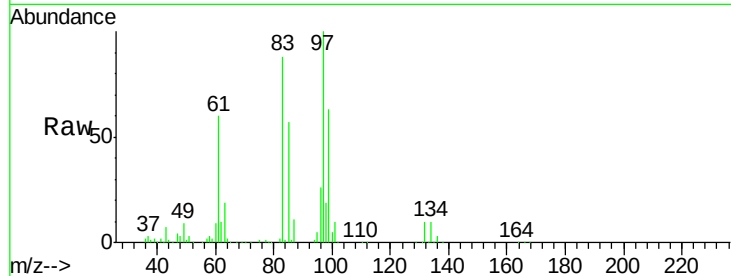
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	560990
Ion	Ratio	Lower	Upper
97	100		
83	88.3	72.7	109.1
85	56.6	45.5	68.3
99	63.1	46.2	69.2

Manual Integrations
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#56

Ethyl Methacrylate

Concen: 48.81 ug/l

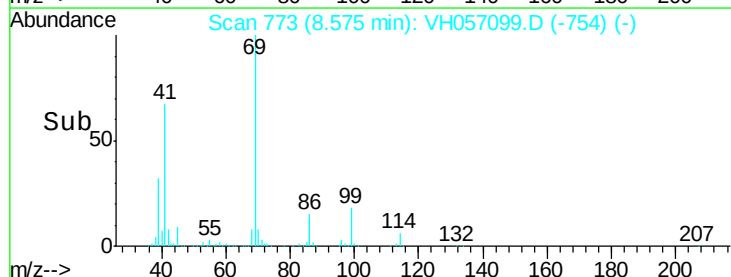
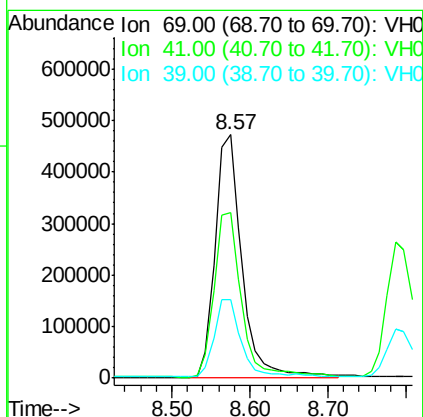
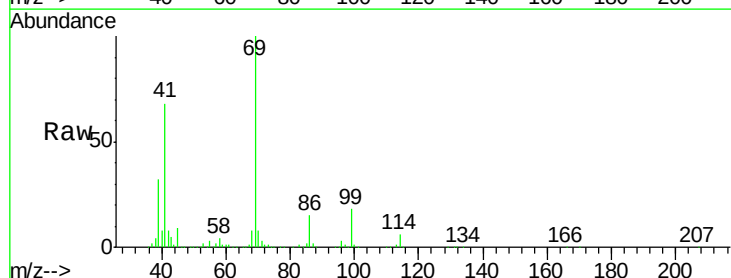
RT: 8.57 min Scan# 773

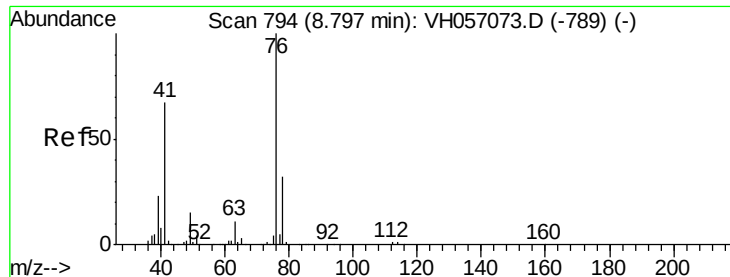
Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion:	69	Resp:	1133049
Ion	Ratio	Lower	Upper
69	100		
41	68.1	39.1	117.3
39	32.5	19.2	57.6





#57

1,3-Dichloropropane

Concen: 47.20 ug/l

RT: 8.80 min Scan# 794

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1128261

Ion Ratio Lower Upper

76 100

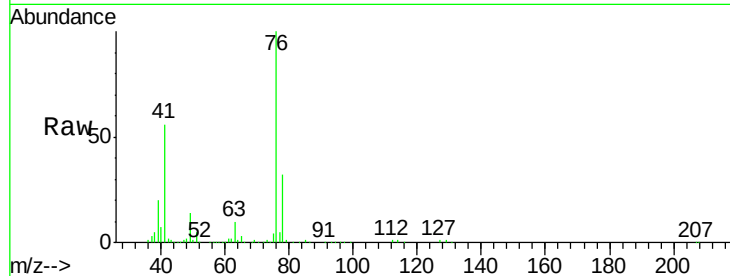
78 31.5 25.7 38.5

Manual Integrations

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MMDadoda

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Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0

8.80

400000

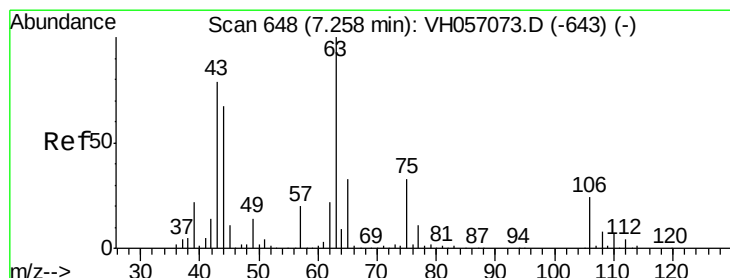
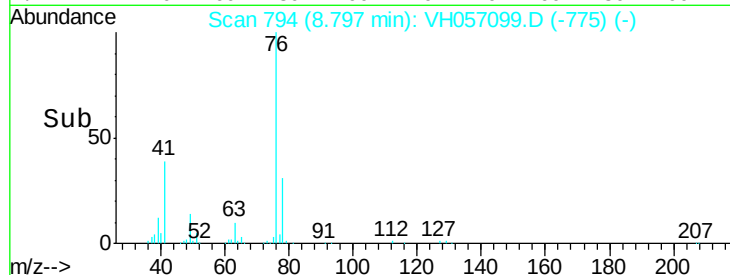
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 227.50 ug/l

RT: 7.25 min Scan# 648

Delta R.T. -0.00 min

Lab File: VH057099.D

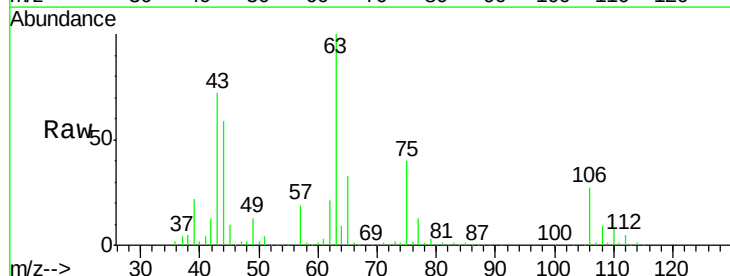
Acq: 21 Sep 2015 19:07

Tgt Ion: 63 Resp: 2611130

Ion Ratio Lower Upper

63 100

106 26.8 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 106.00 (105.70 to 106.70): V

7.25

1200000

1000000

800000

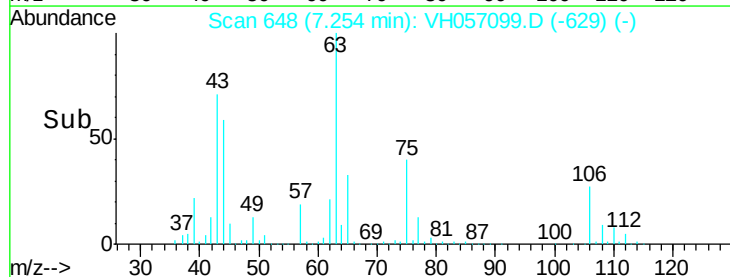
600000

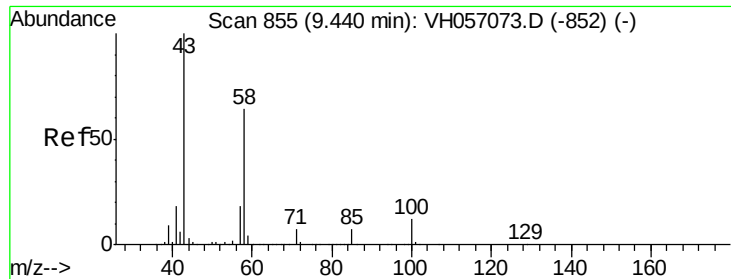
400000

200000

0

Time-->





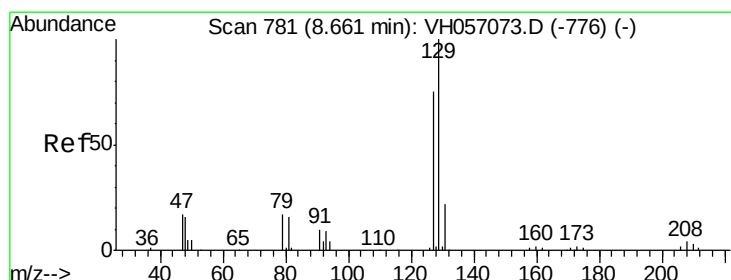
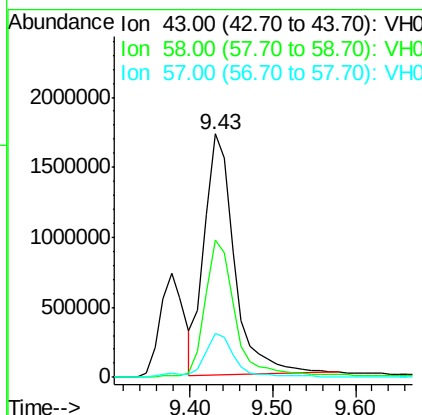
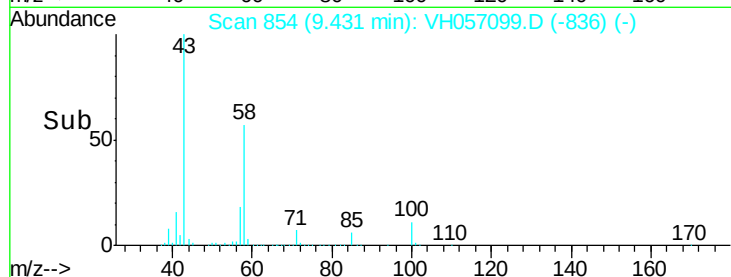
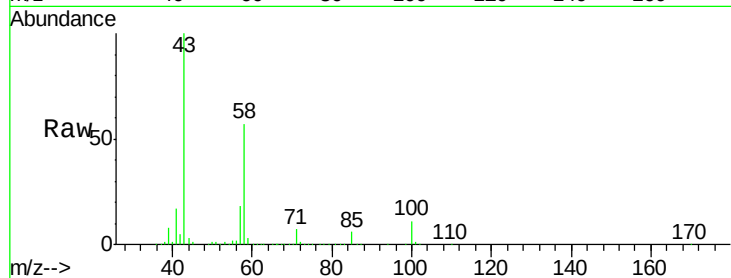
#59
2-Hexanone
Concen: 204.92 ug/l
RT: 9.43 min Scan# 854
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 4317214
Ion Ratio Lower Upper
43 100
58 56.6 27.1 81.2
57 17.9 8.1 24.3

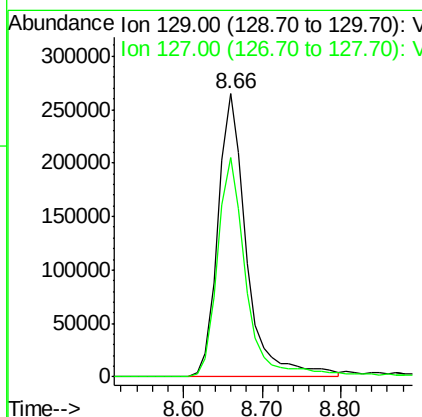
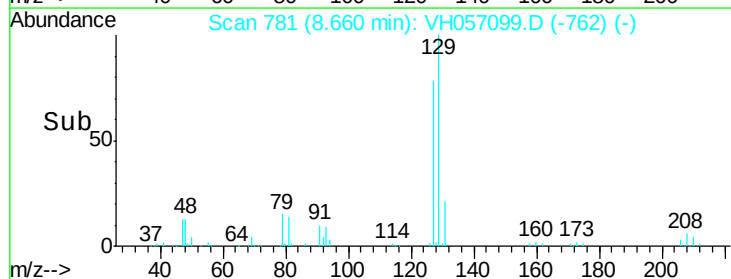
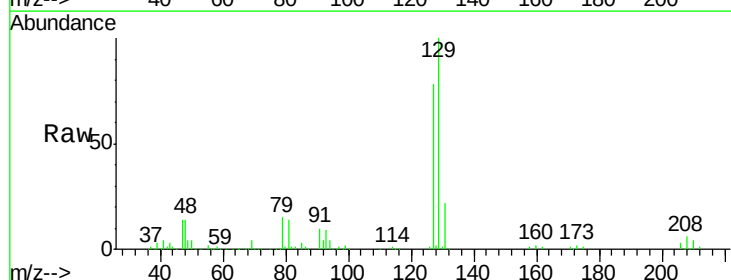
Manual Integrations
APPROVED

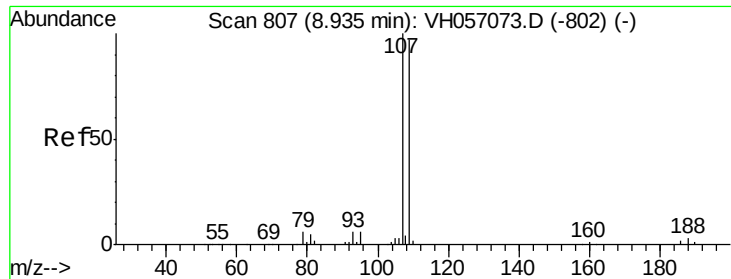
MMDadoda
9/22/2015 2:55:08 PM



#60
Dibromochloromethane
Concen: 49.95 ug/l
RT: 8.66 min Scan# 781
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion: 129 Resp: 665547
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.94 ug/l

RT: 8.92 min Scan# 806

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 689015

Ion Ratio Lower Upper

107 100

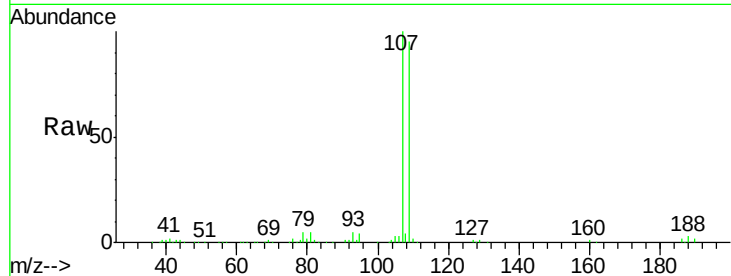
109 95.0 77.7 116.5

Manual Integrations

APPROVED

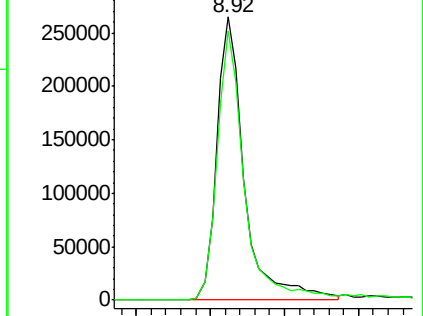
MMDadoda

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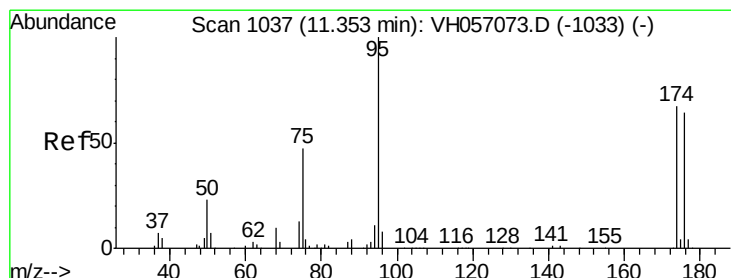
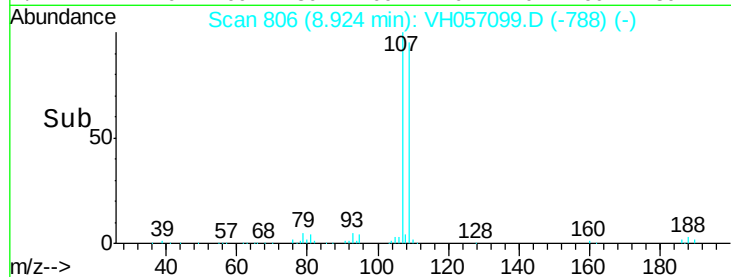


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 45.04 ug/l

RT: 11.35 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

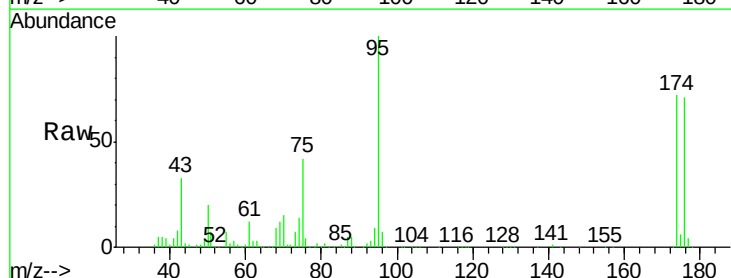
Tgt Ion: 95 Resp: 574710

Ion Ratio Lower Upper

95 100

174 72.4 58.4 87.6

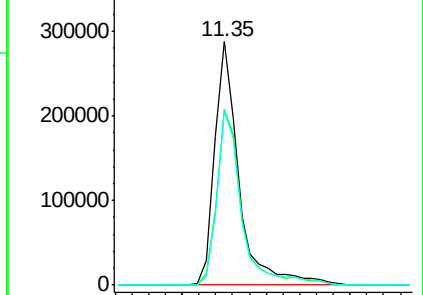
176 71.5 54.3 81.5



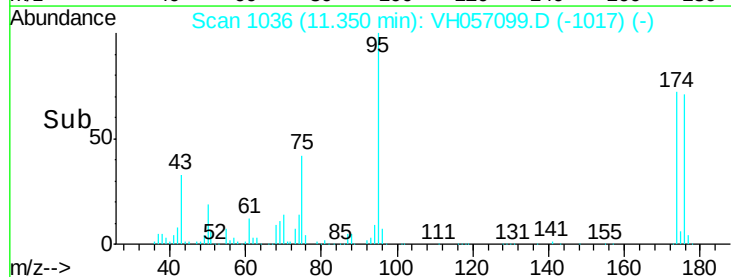
Abundance Ion 95.00 (94.70 to 95.70): V

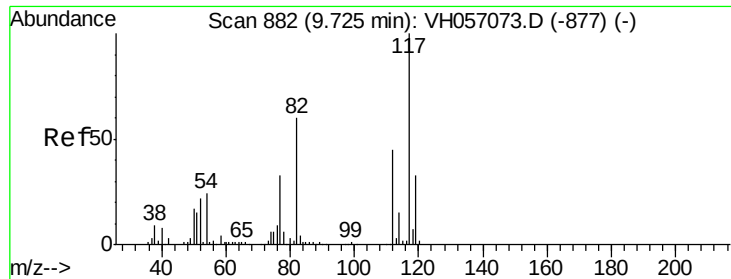
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->





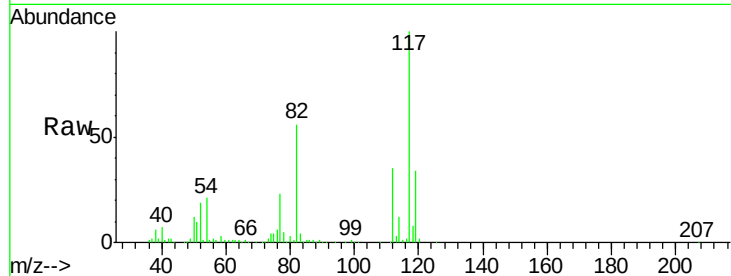
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 881
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

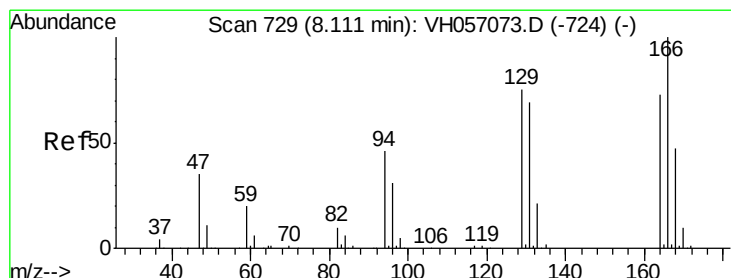
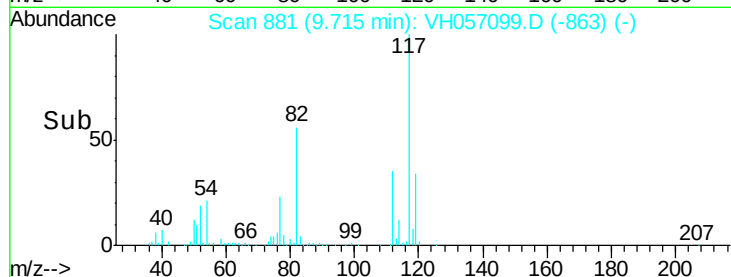
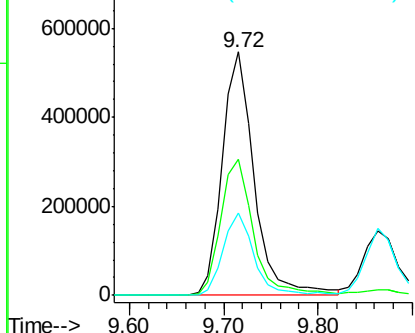
Tot Ion:117 Resp: 1280277
Ion Ratio Lower Upper
117 100
82 55.7 51.0 76.6
119 33.8 26.7 40.1

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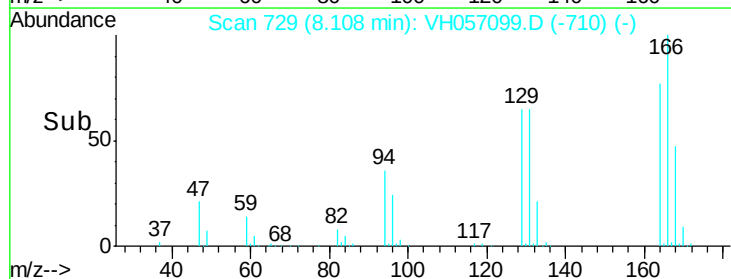
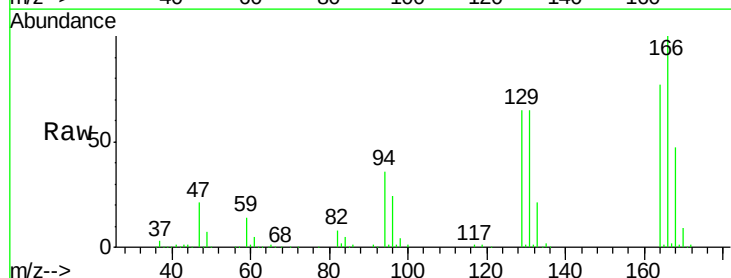
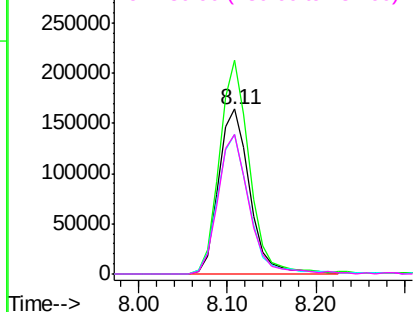
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

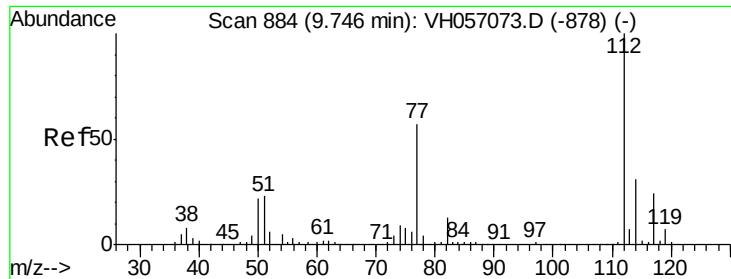


#64
Tetrachloroethene
Concen: 56.51 ug/l
RT: 8.11 min Scan# 729
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion:164 Resp: 409919
Ion Ratio Lower Upper
164 100
166 129.4 103.2 154.8
129 84.3 73.4 110.0
131 84.5 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





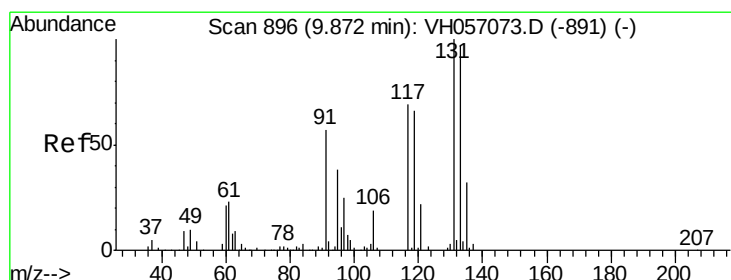
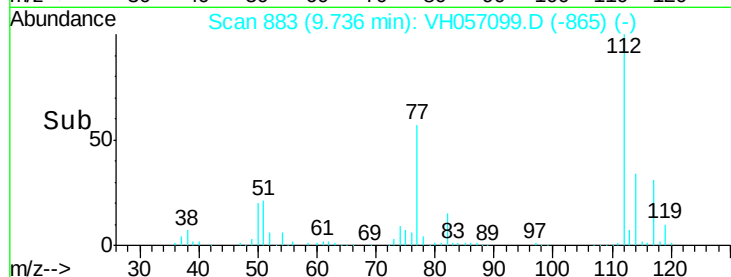
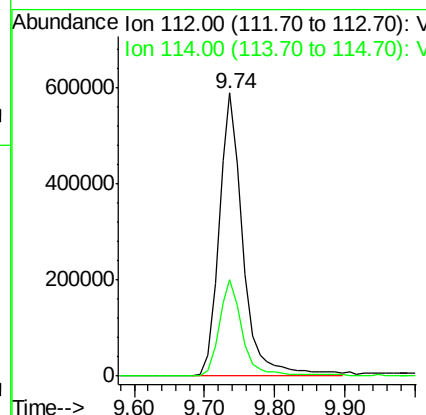
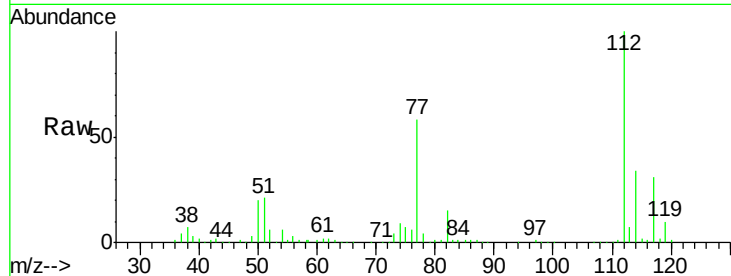
#65
Chlorobenzene
Concen: 50.56 ug/l
RT: 9.74 min Scan# 883
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1408444
Ion Ratio Lower Upper
112 100
114 34.3 26.3 39.5

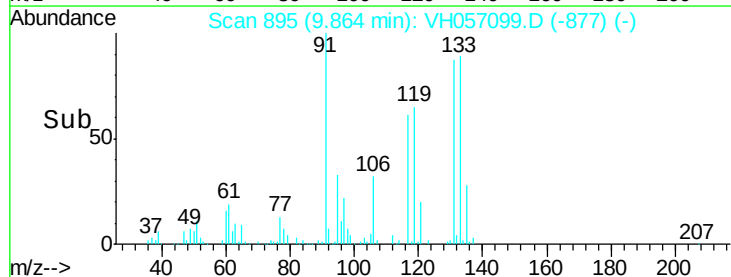
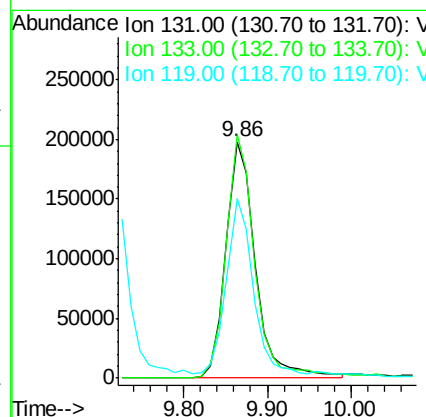
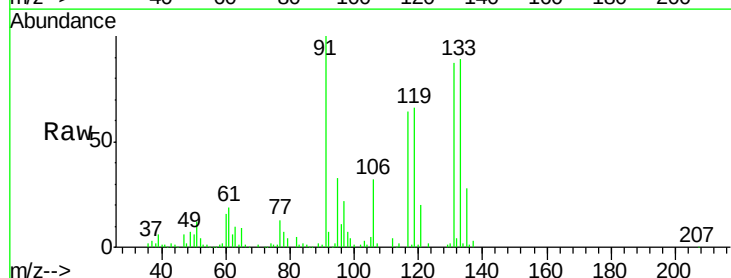
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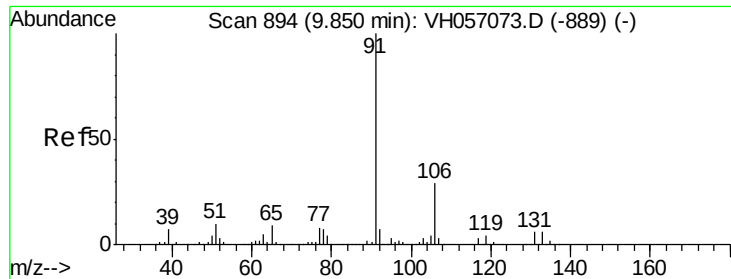
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.98 ug/l
RT: 9.86 min Scan# 895
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion:131 Resp: 480414
Ion Ratio Lower Upper
131 100
133 103.0 51.1 153.3
119 75.8 36.3 108.9





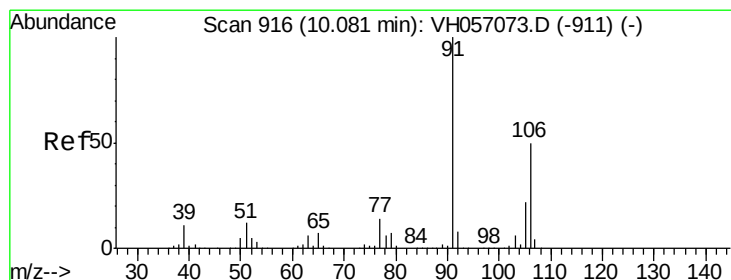
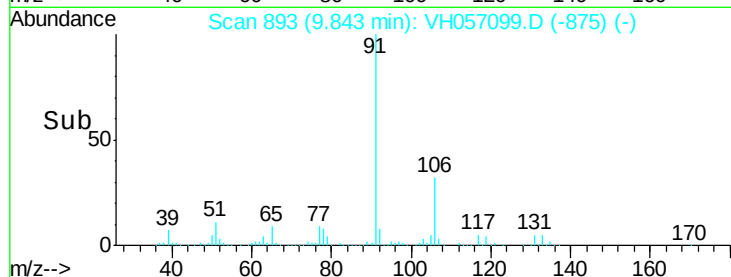
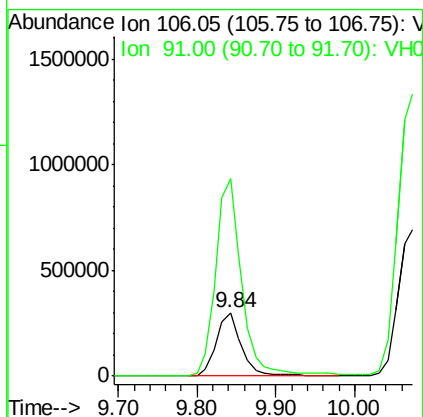
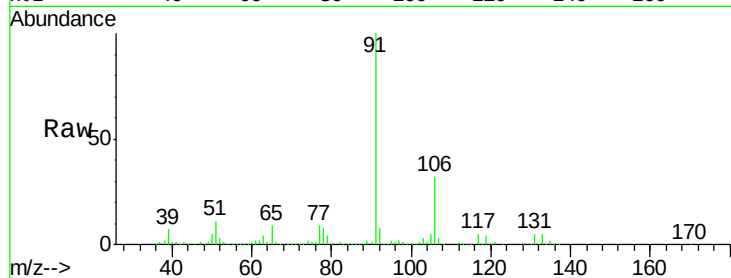
#67
Ethyl Benzene
Concen: 49.91 ug/l
RT: 9.84 min Scan# 893
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	310.3	264.9	397.3

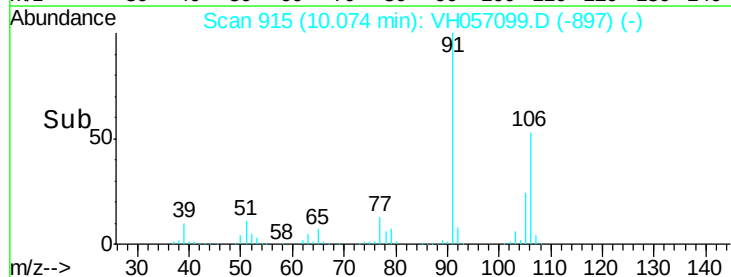
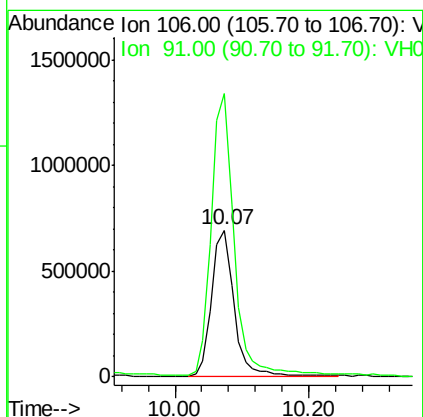
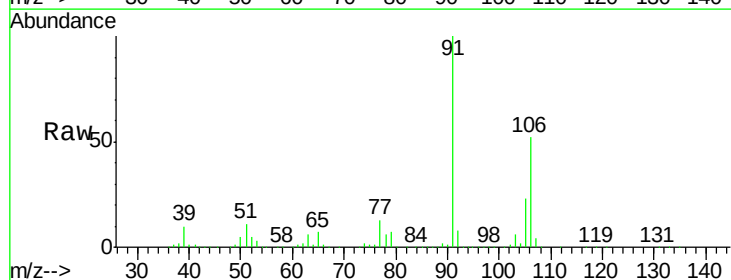
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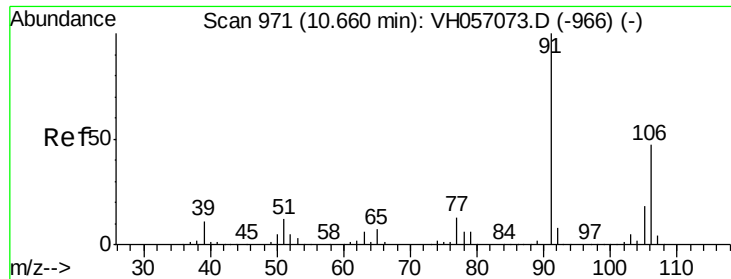
MMDadoda
9/22/2015 2:55:08 PM



#68
m/p-Xylenes
Concen: 98.52 ug/l
RT: 10.07 min Scan# 915
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.5	164.4	246.6





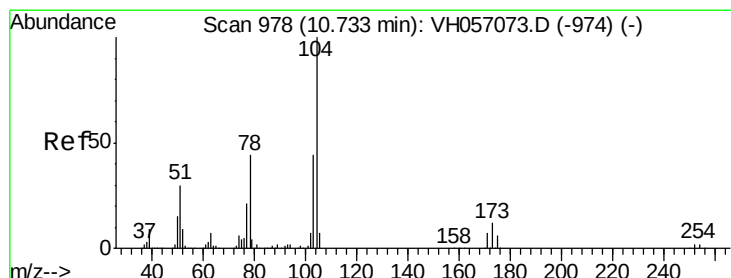
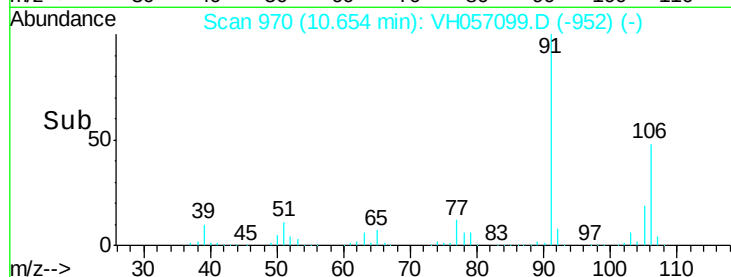
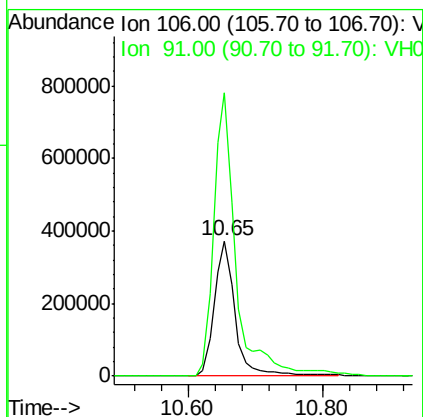
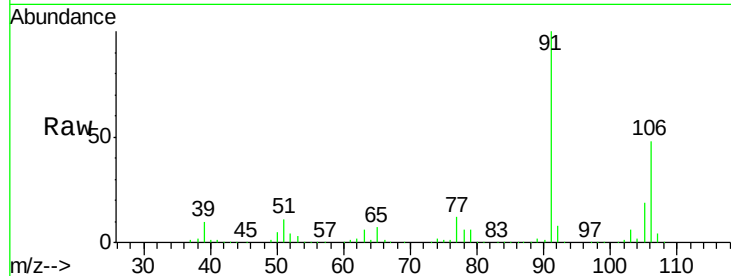
#69
o-Xylene
Concen: 51.86 ug/l
RT: 10.65 min Scan# 970
Delta R.T. -0.01 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 807717
Ion Ratio Lower Upper
106 100
91 209.5 104.2 312.6

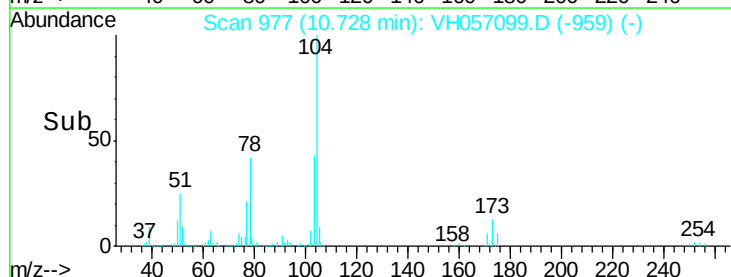
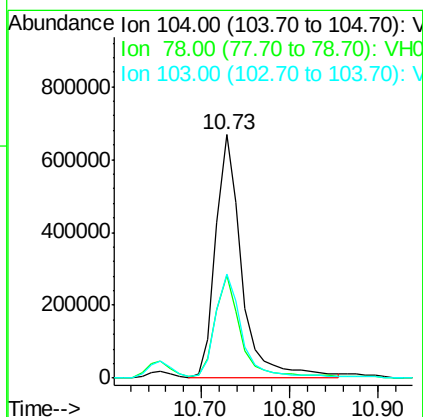
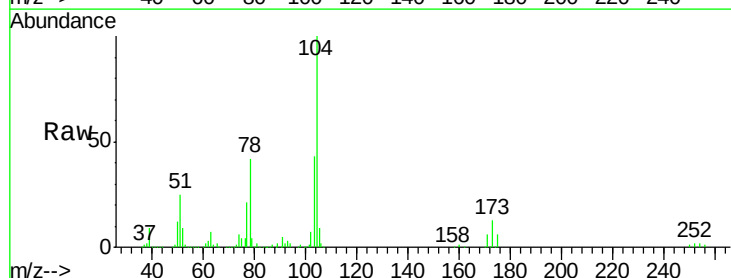
Manual Integrations
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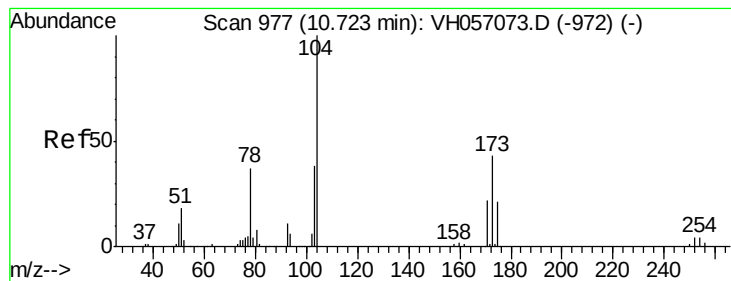
MMDadoda
9/22/2015 2:55:08 PM



#70
Styrene
Concen: 49.85 ug/l
RT: 10.73 min Scan# 977
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion:104 Resp: 1356026
Ion Ratio Lower Upper
104 100
78 42.2 35.2 52.8
103 42.9 35.8 53.6





#71

Bromoform

Concen: 52.69 ug/l

RT: 10.71 min Scan# 975

Delta R.T. -0.02 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 433348

Ion Ratio Lower Upper

173 100

175 44.3 23.3 69.9

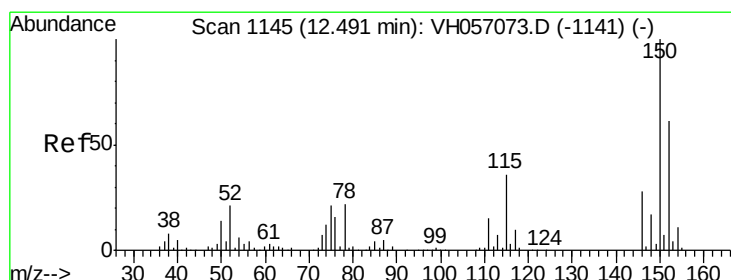
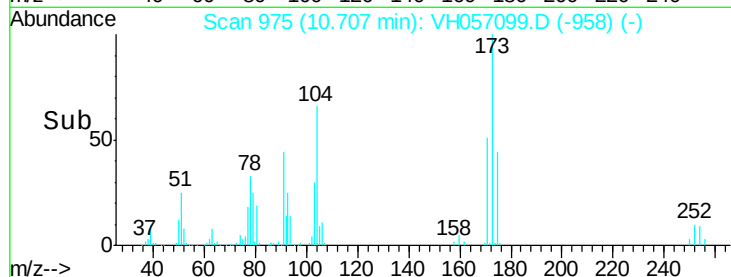
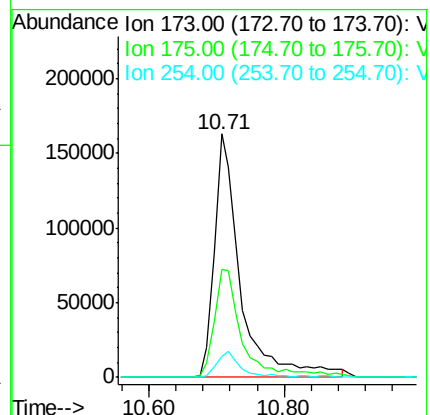
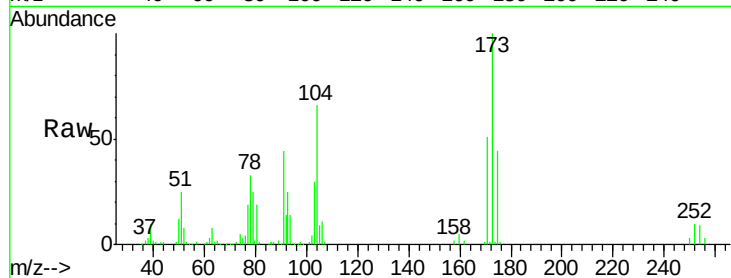
254 8.5 4.4 13.2

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

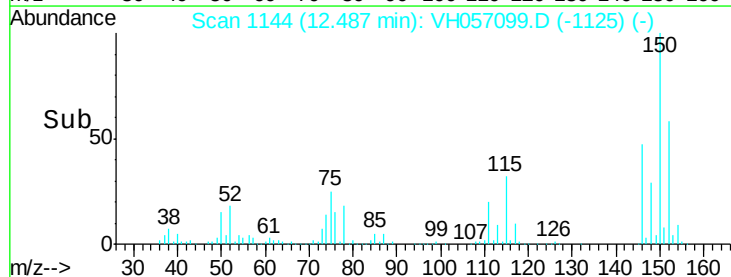
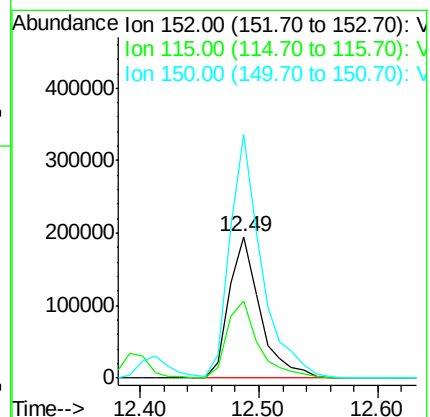
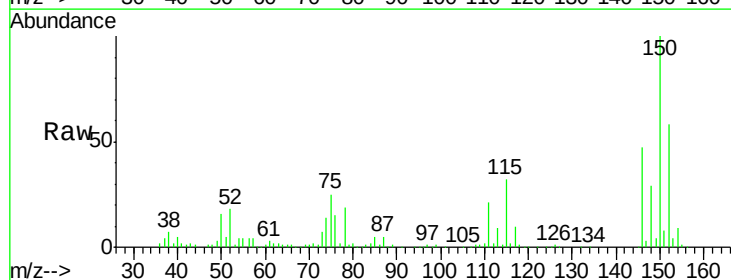
Tgt Ion:152 Resp: 355782

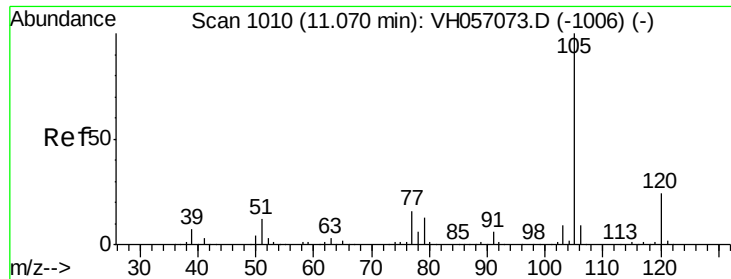
Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.6

150 172.4 0.0 332.0





#73

Isopropylbenzene

Concen: 50.25 ug/l

RT: 11.06 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1632594

Ion Ratio Lower Upper

105 100

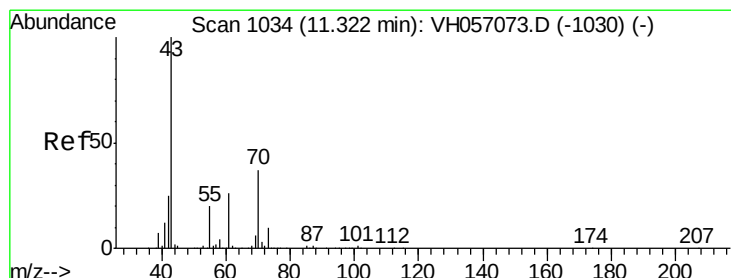
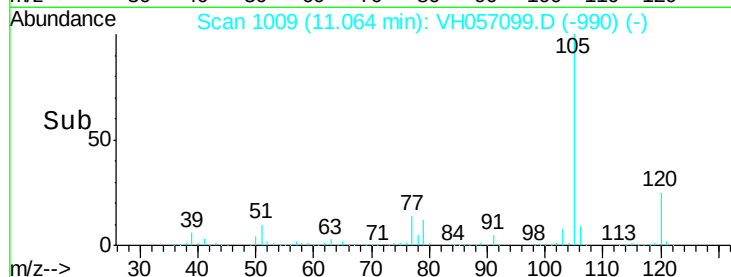
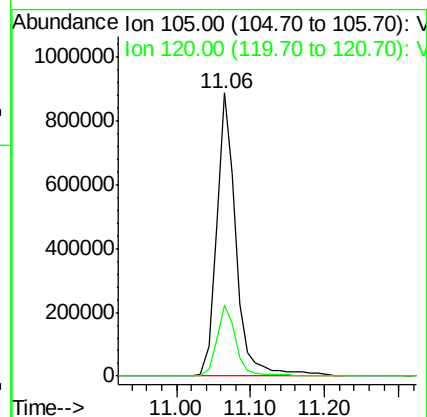
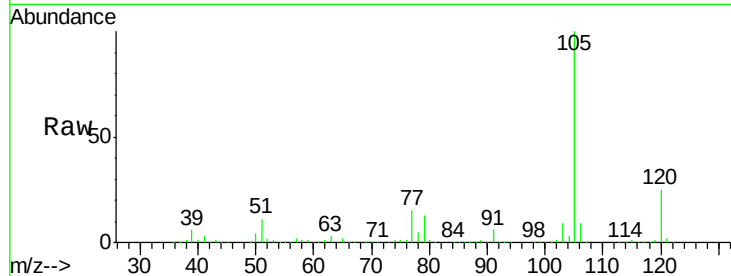
120 25.0 12.2 36.4

Manual Integrations

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#74

n-Amyl Acetate

Concen: 45.06 ug/l

RT: 11.32 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion: 43 Resp: 1555693

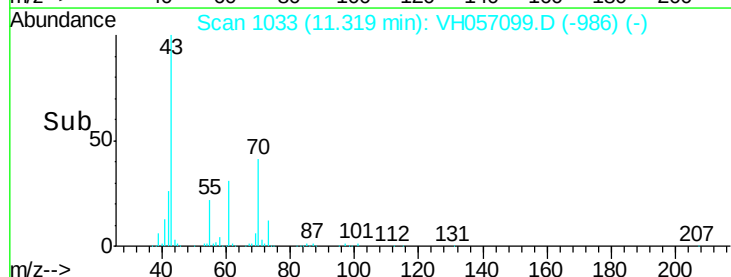
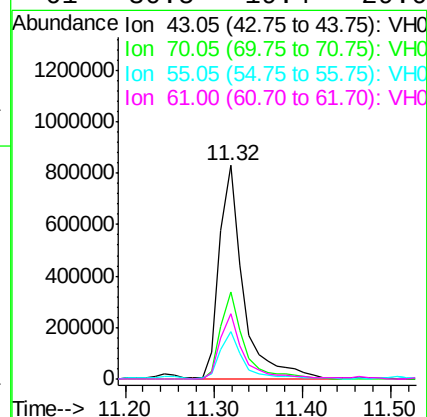
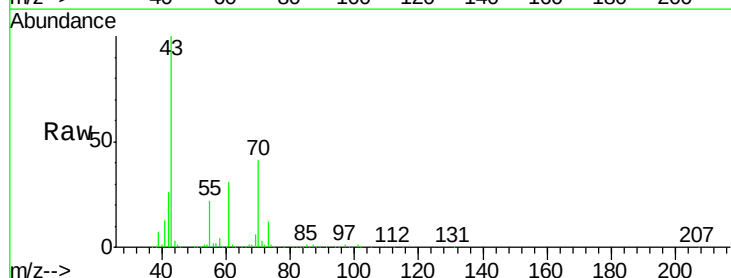
Ion Ratio Lower Upper

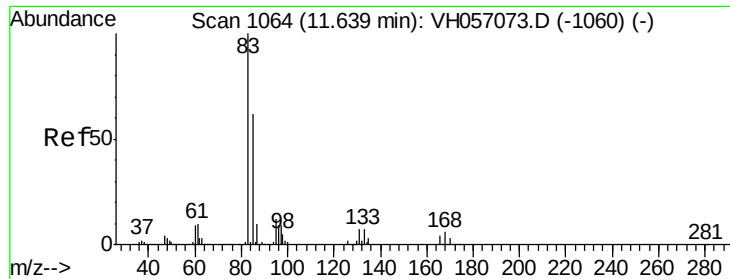
43 100

70 40.9 27.3 40.9

55 22.1 15.3 22.9

61 30.5 19.4 29.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 48.77 ug/l

RT: 11.63 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 830780

Ion Ratio Lower Upper

83 100

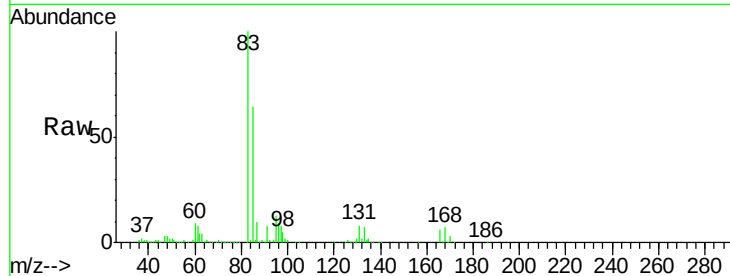
131 8.3 3.1 9.3

85 64.3 32.3 96.8

Manual Integrations
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MMDadoda

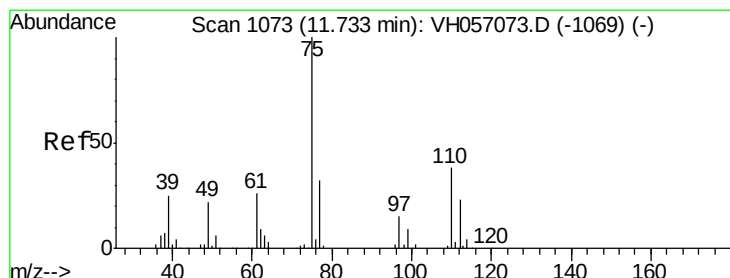
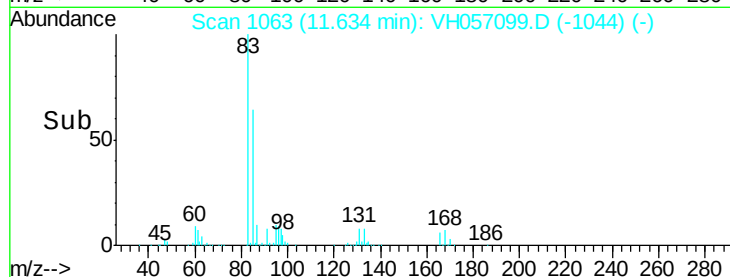
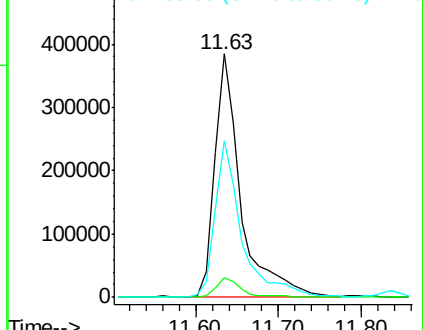
9/22/2015 2:55:08 PM



Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 131.00 (130.70 to 131.70): VH0

Ion 85.00 (84.70 to 85.70): VH0



#76

1,2,3-Trichloropropane

Concen: 48.84 ug/l

RT: 11.73 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VH057099.D

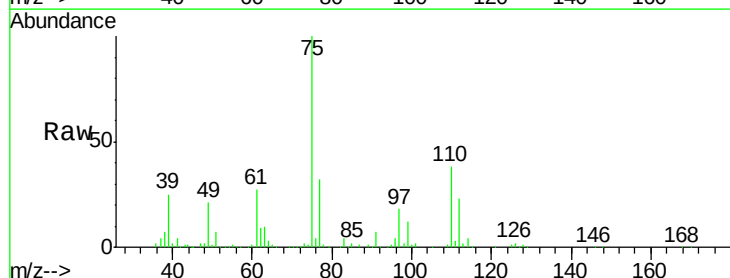
Acq: 21 Sep 2015 19:07

Tgt Ion: 75 Resp: 652792

Ion Ratio Lower Upper

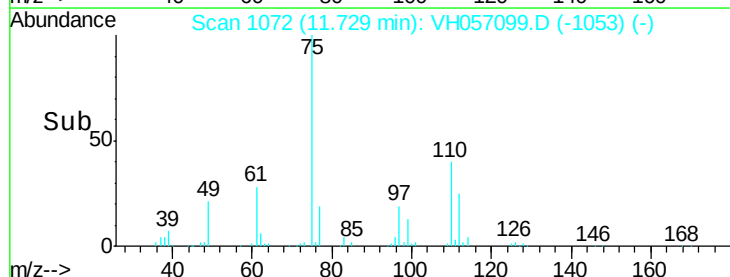
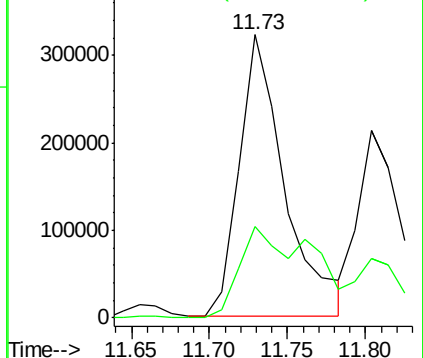
75 100

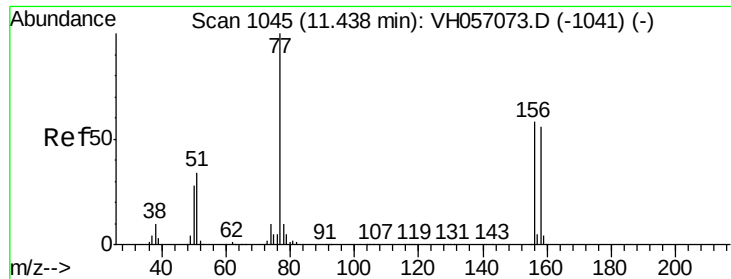
77 32.2 14.9 44.9



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0





#77

Bromobenzene

Concen: 51.28 ug/l

RT: 11.43 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

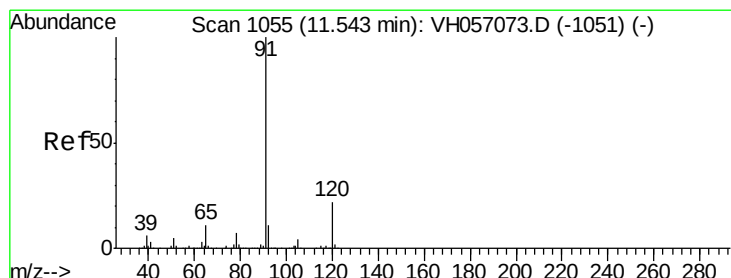
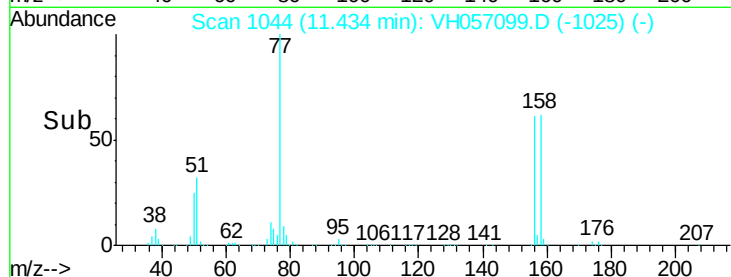
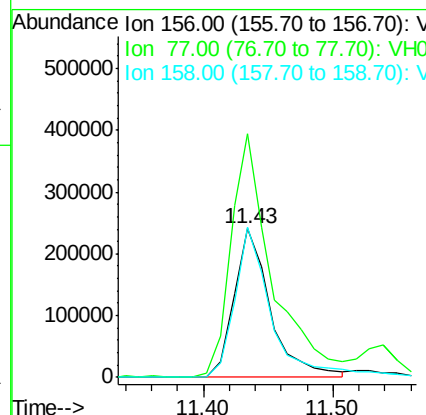
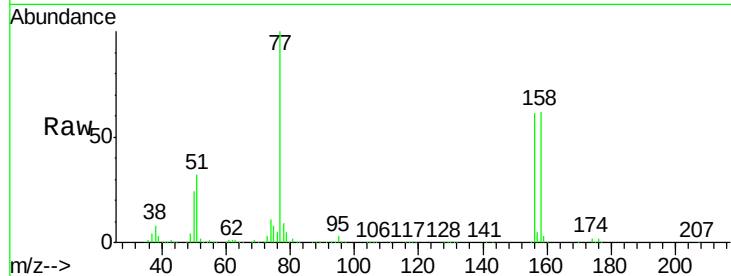
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.8	73.5	220.5
158	100.8	46.8	140.3

Manual Integrations
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#78

n-propylbenzene

Concen: 46.63 ug/l

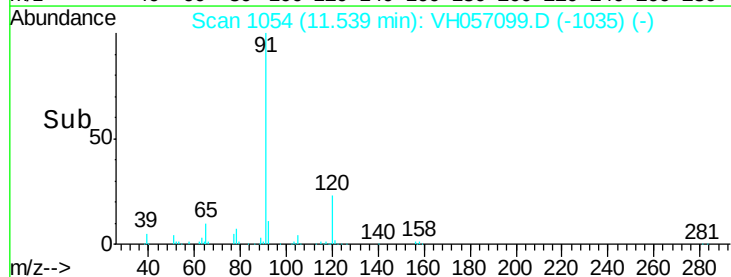
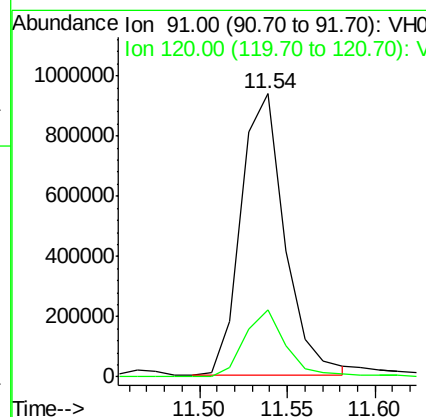
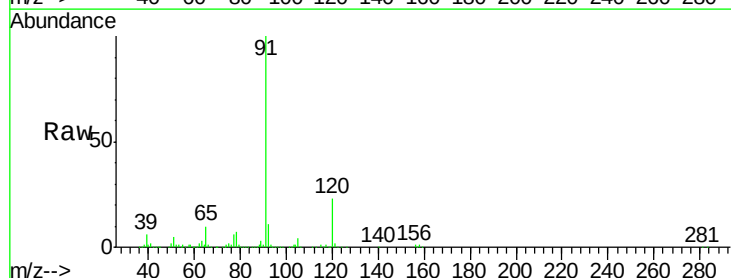
RT: 11.54 min Scan# 1054

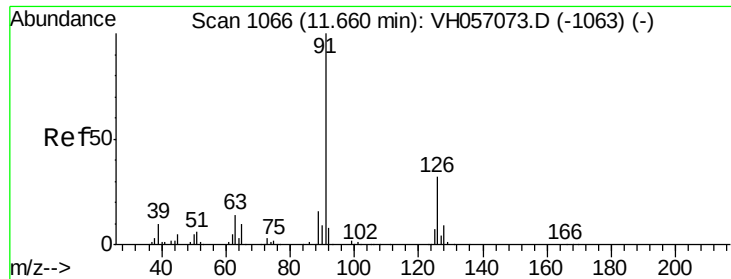
Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	10.2	30.6





#79

2-Chlorotoluene

Concen: 48.64 ug/l

RT: 11.66 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1019218

Ion Ratio Lower Upper

91 100

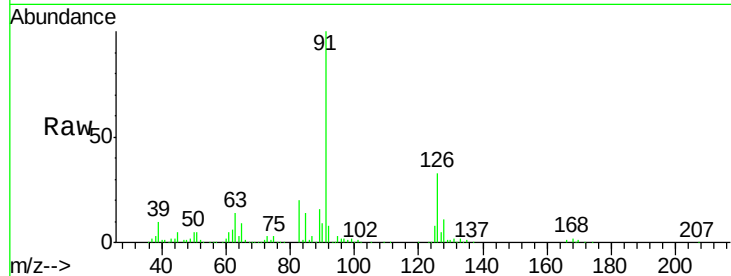
126 32.7 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VH057073.D (-1063) (-)

Ion 126.00 (125.70 to 126.70): VH057073.D (-1063) (-)

11.66

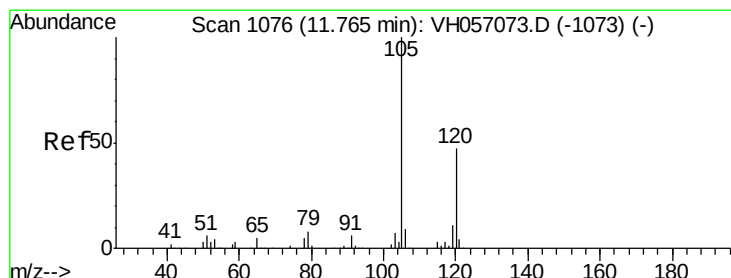
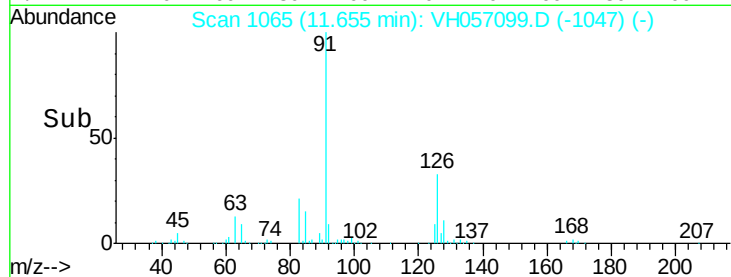
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.59 ug/l

RT: 11.76 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VH057099.D

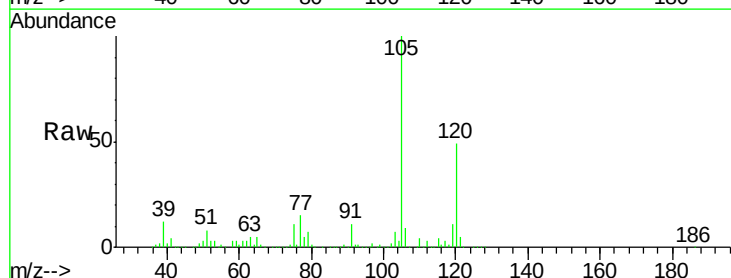
Acq: 21 Sep 2015 19:07

Tgt Ion: 105 Resp: 1010384

Ion Ratio Lower Upper

105 100

120 49.3 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): VH057073.D (-1073) (-)

Ion 120.00 (119.70 to 120.70): VH057073.D (-1073) (-)

11.76

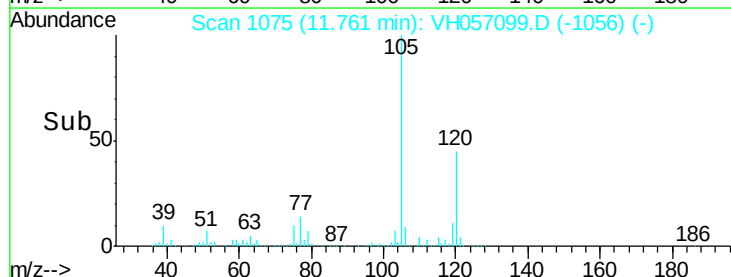
600000

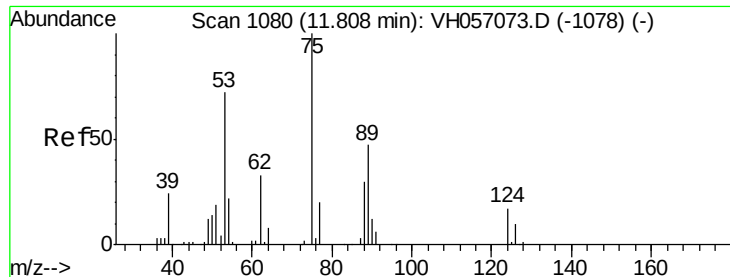
400000

200000

0

Time-->





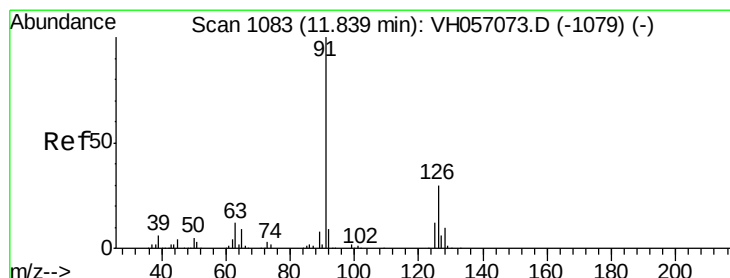
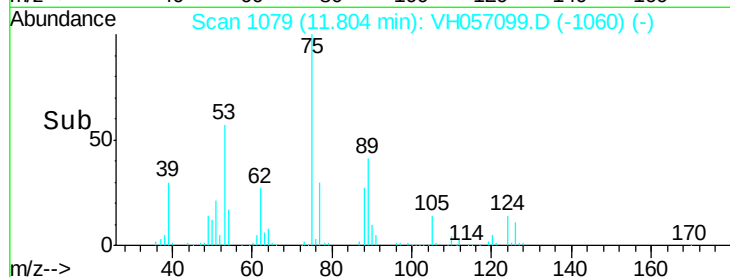
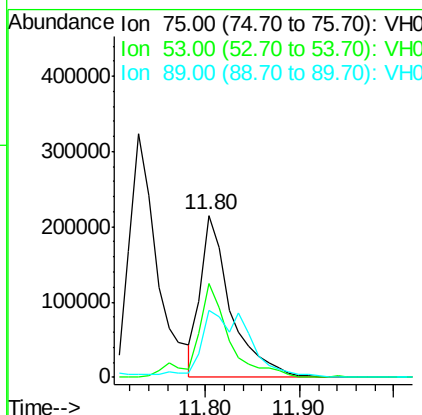
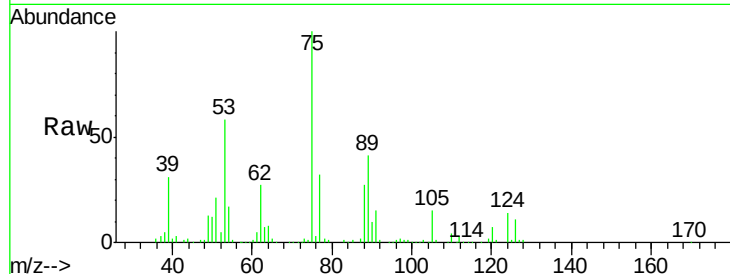
#81
trans-1,4-Dichloro-2-Butene
Concen: 48.30 ug/l
RT: 11.80 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	57.7	32.0	96.2
89	41.2	21.1	63.3

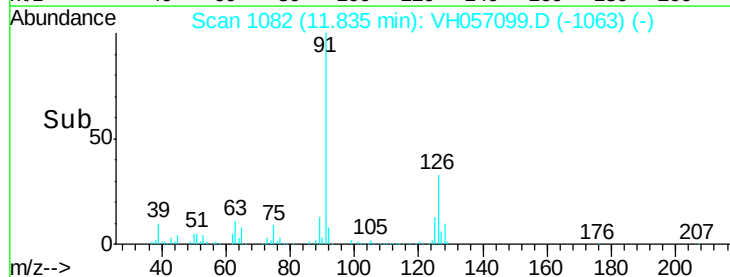
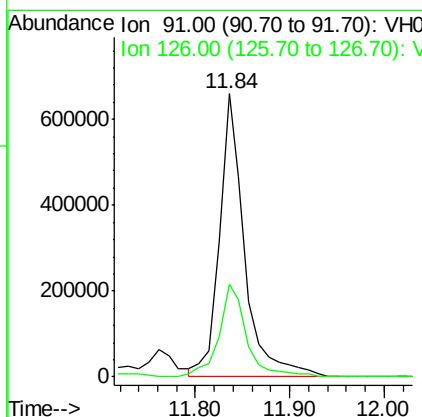
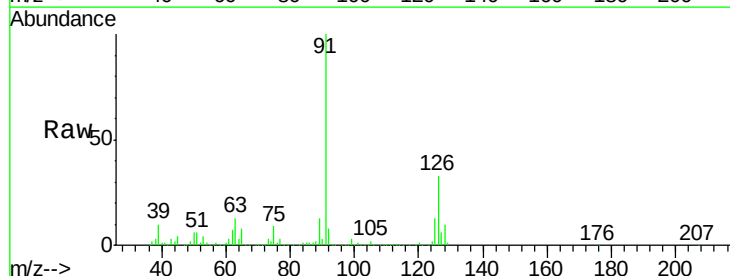
Manual Integrations
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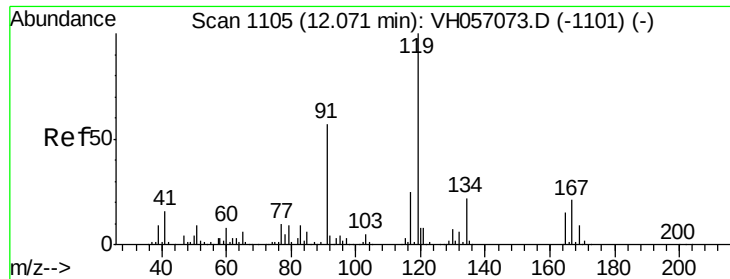
MMDadoda
9/22/2015 2:55:08 PM



#82
4-Chlorotoluene
Concen: 47.56 ug/l
RT: 11.84 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.0	51.0





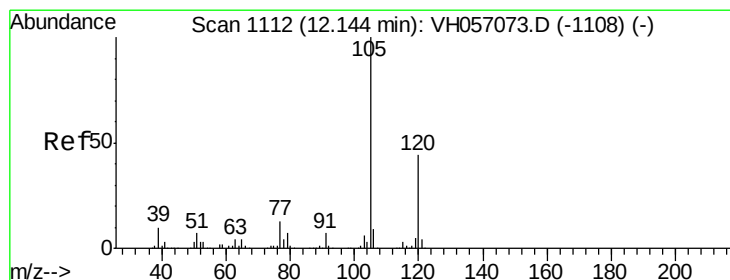
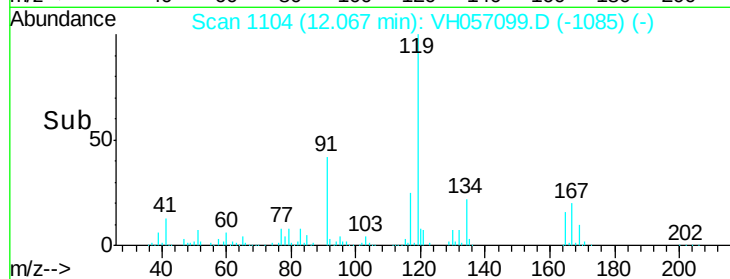
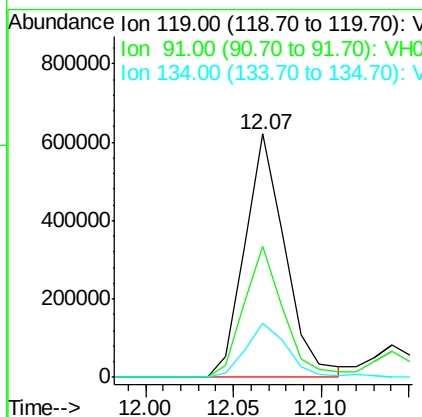
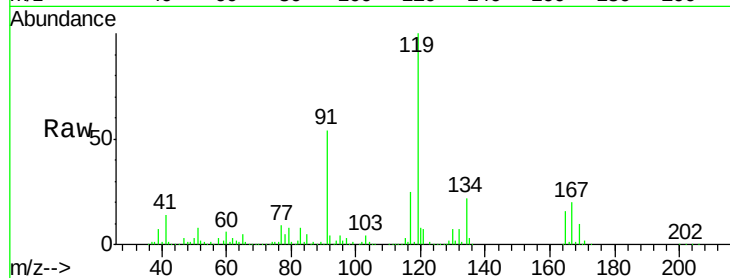
#83
tert-Butylbenzene
Concen: 49.65 ug/l
RT: 12.07 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	995057		
91	53.6	28.5	85.6	
134	22.3	11.5	34.5	

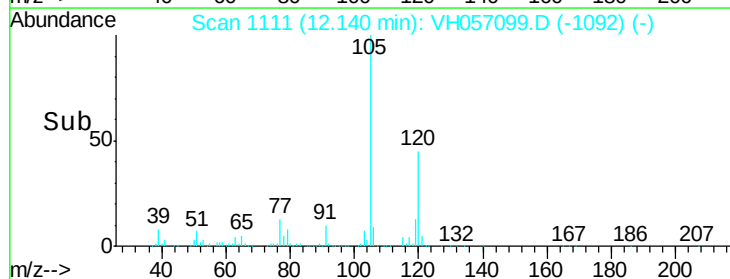
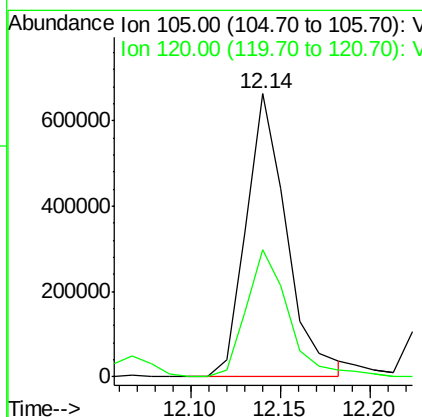
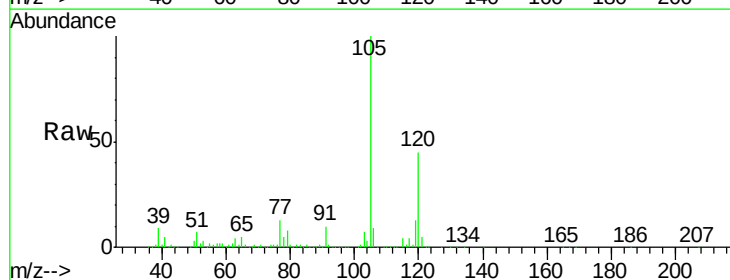
Manual Integrations
APPROVED

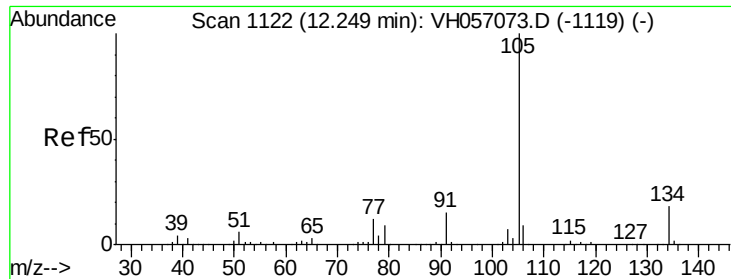
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#84
1,2,4-Trimethylbenzene
Concen: 48.54 ug/l
RT: 12.14 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1063582		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 47.36 ug/l

RT: 12.24 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1015137

Ion Ratio Lower Upper

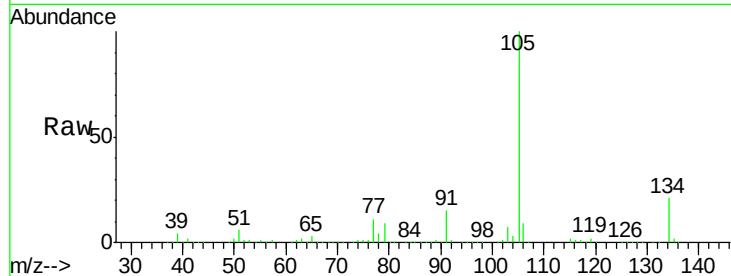
105 100

134 20.5 9.1 27.3

Manual Integrations
APPROVED

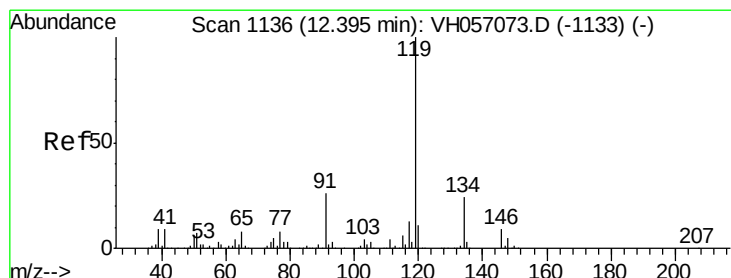
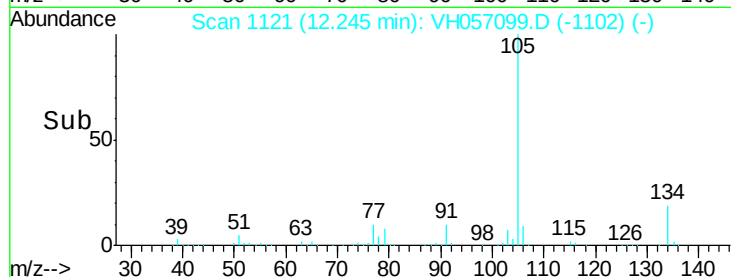
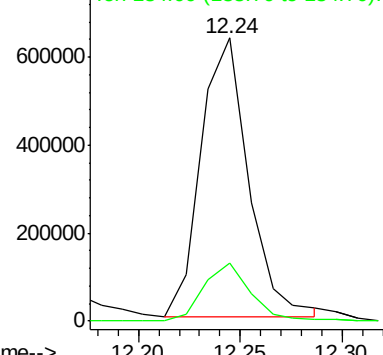
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.46 ug/l

RT: 12.39 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

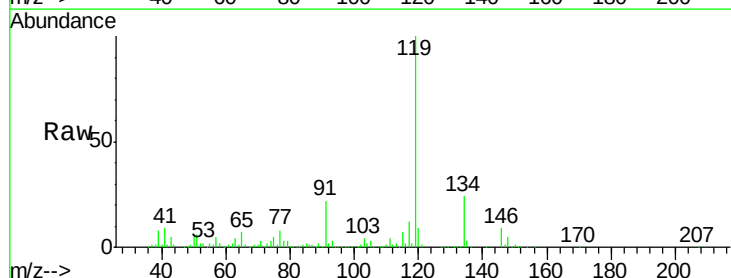
Tgt Ion:119 Resp: 837522

Ion Ratio Lower Upper

119 100

134 24.2 13.0 38.9

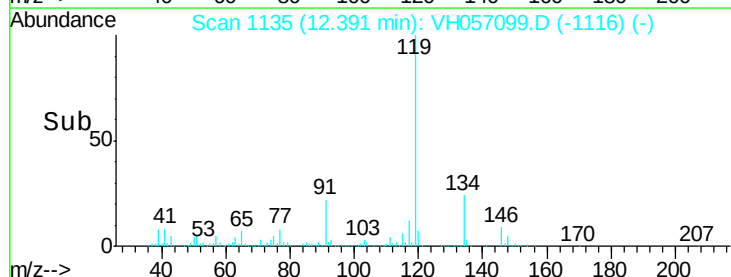
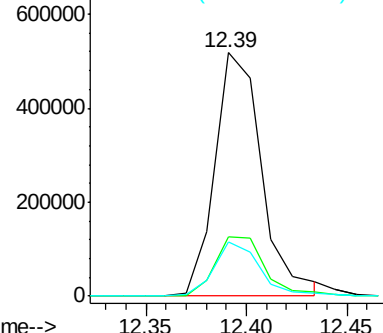
91 22.3 12.5 37.5

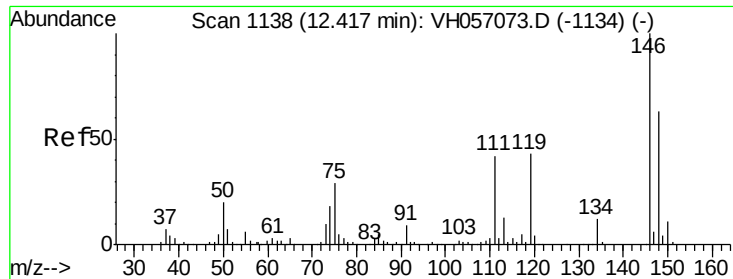


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.63 ug/l

RT: 12.41 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

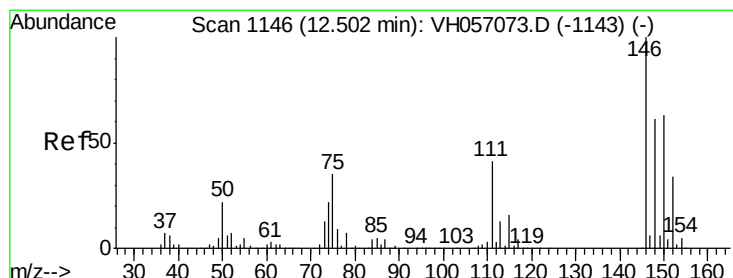
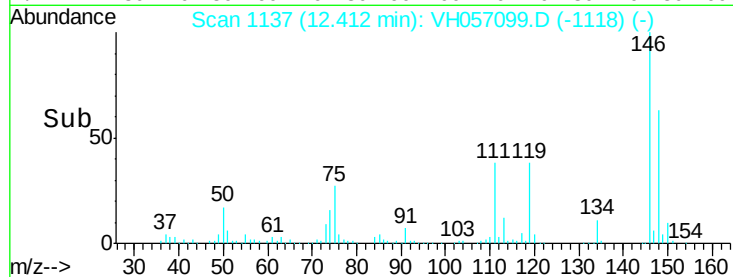
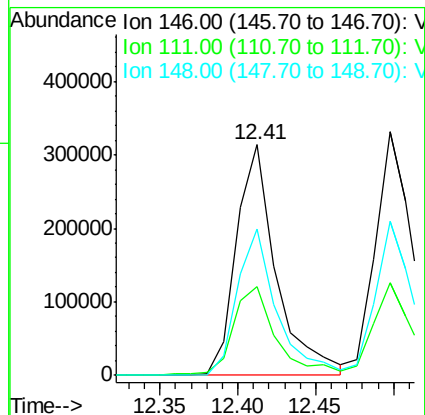
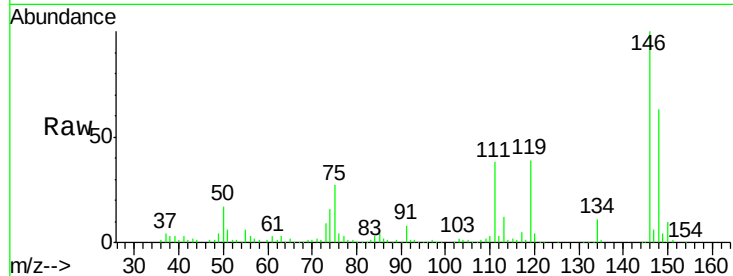
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	558714
Ion Ratio	Lower	Upper	
146	100		
111	38.4	21.0	63.0
148	63.3	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.19 ug/l

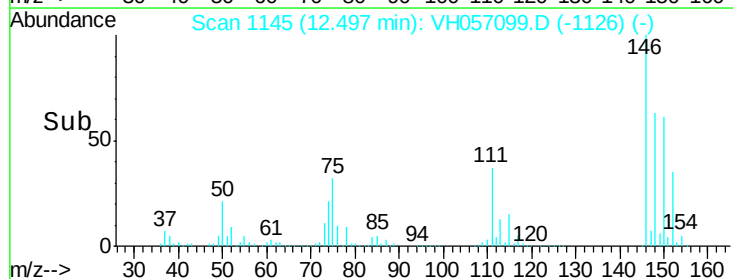
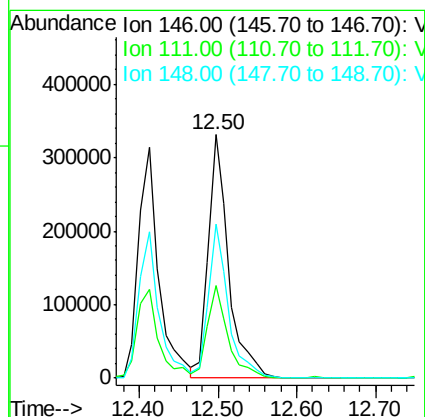
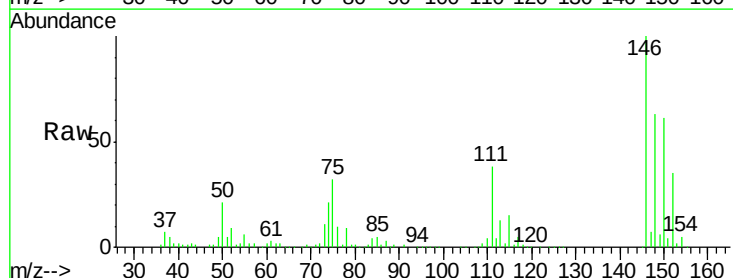
RT: 12.50 min Scan# 1145

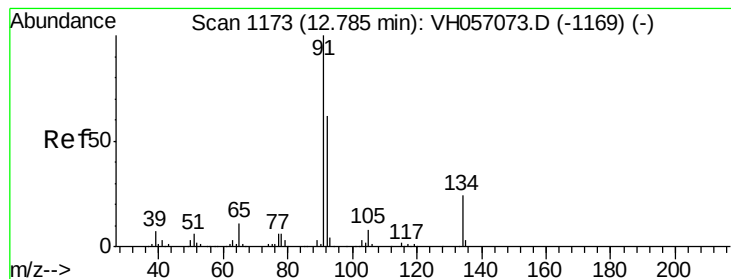
Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion:	146	Resp:	607758
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.8	59.3
148	63.3	30.3	90.9





#89

n-Butylbenzene

Concen: 51.91 ug/l

RT: 12.77 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Instrument :

MSVOA_H

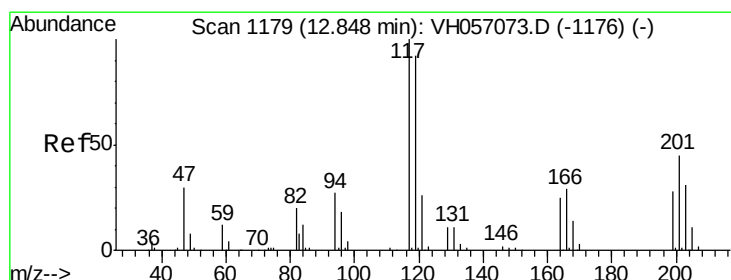
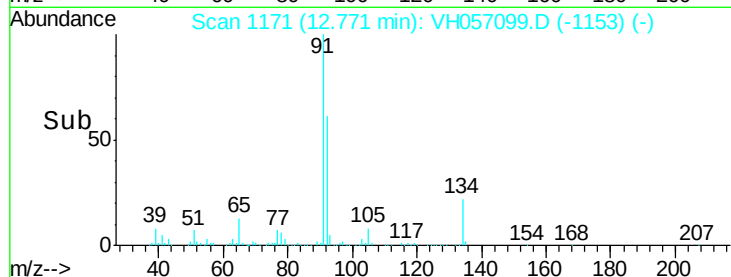
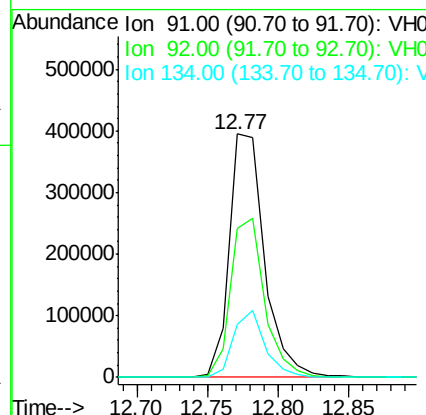
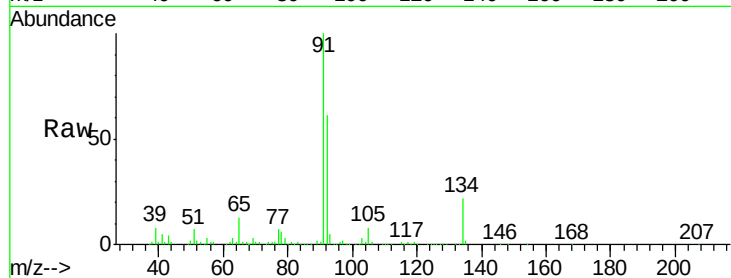
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	675324
Ion	Ratio	Lower	Upper
91	100		
92	60.9	31.3	93.9
134	21.6	10.5	31.6

Manual Integrations
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#90

Hexachloroethane

Concen: 51.19 ug/l

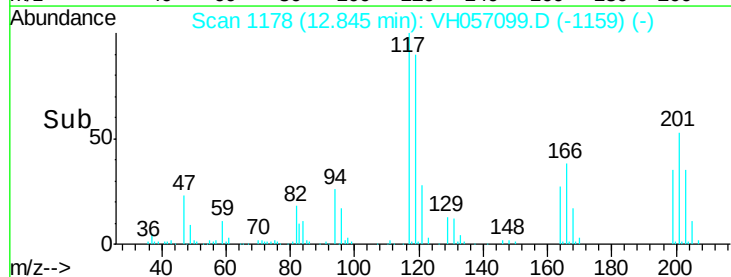
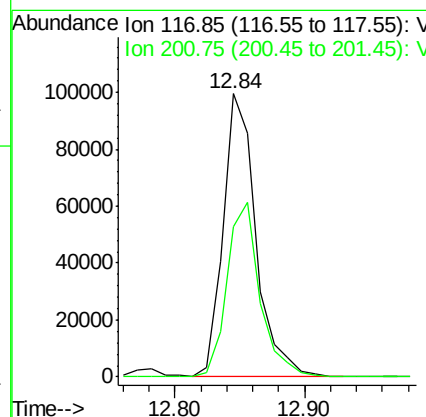
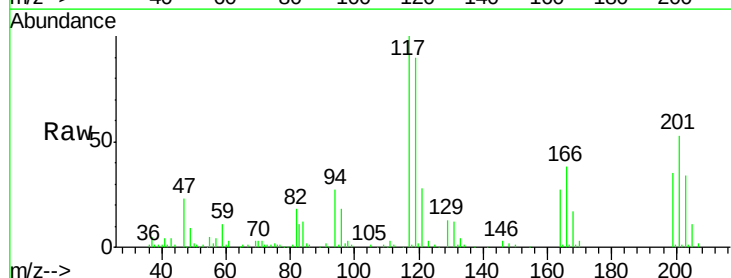
RT: 12.84 min Scan# 1178

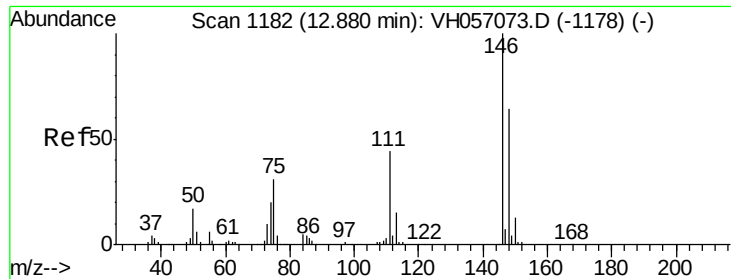
Delta R.T. -0.00 min

Lab File: VH057099.D

Acq: 21 Sep 2015 19:07

Tgt Ion:	117	Resp:	176349
Ion	Ratio	Lower	Upper
117	100		
201	53.1	14.0	80.8





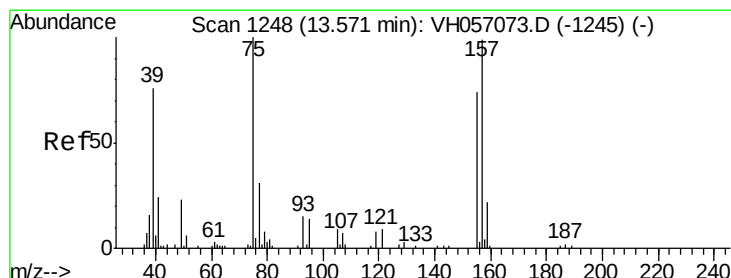
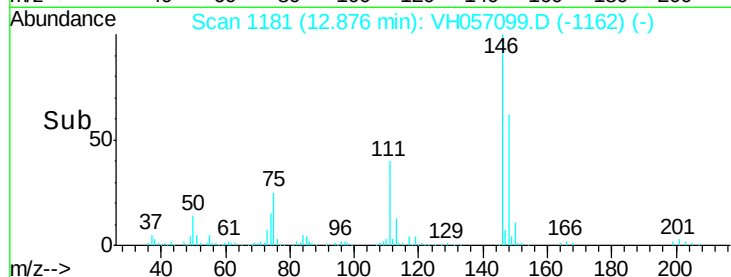
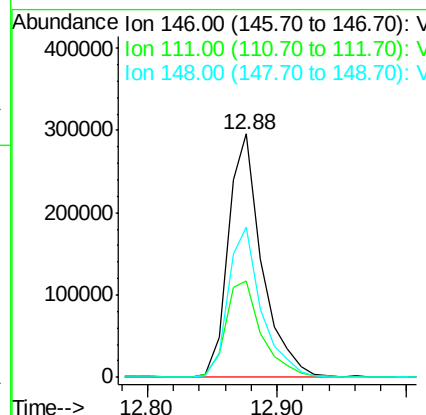
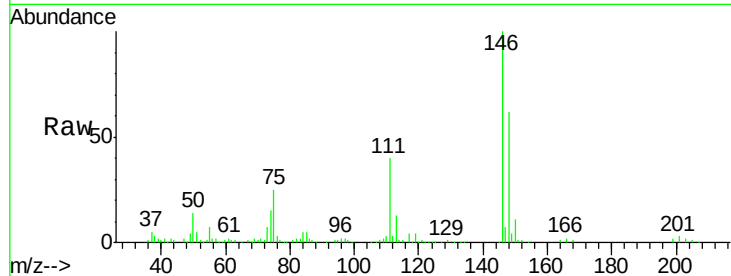
#91
 1,2-Dichlorobenzene
 Concen: 53.33 ug/l
 RT: 12.88 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	22.1	66.1
148	61.7	31.4	94.3

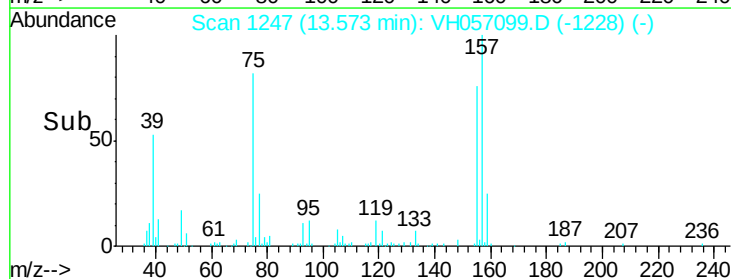
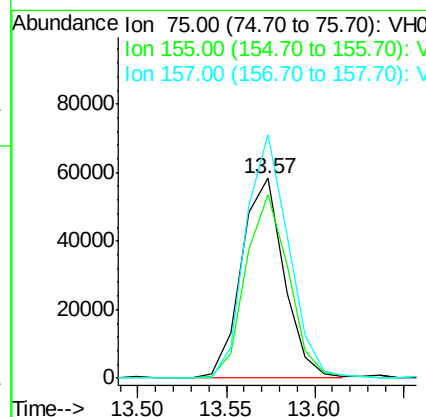
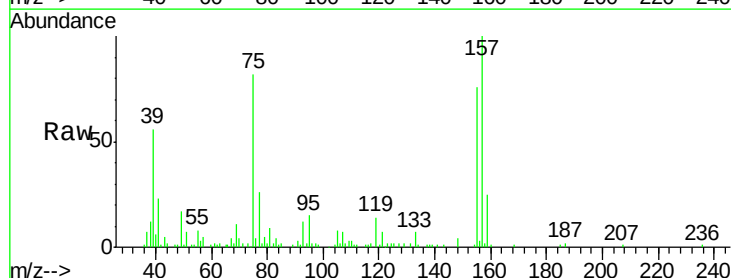
Manual Integrations
 APPROVED

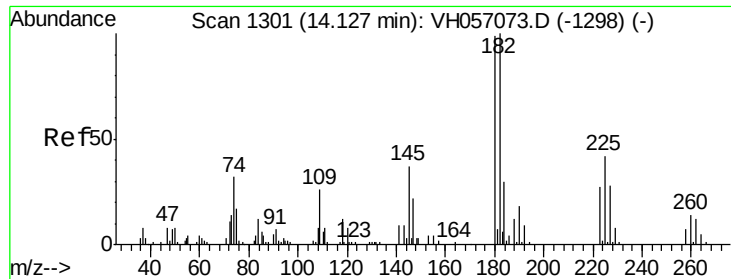
MMDadoda
 9/22/2015 2:55:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.82 ug/l
 RT: 13.57 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	43.4	130.2
157	121.9	62.8	188.4





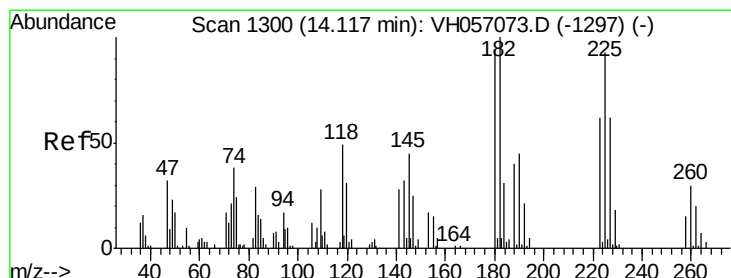
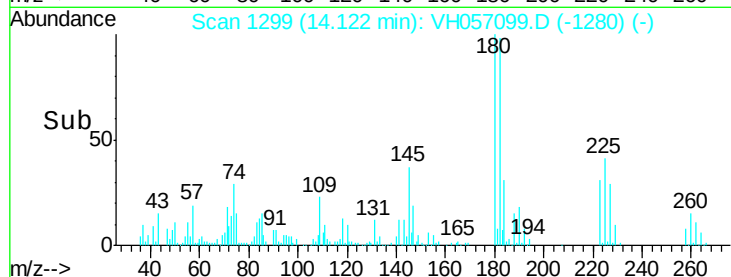
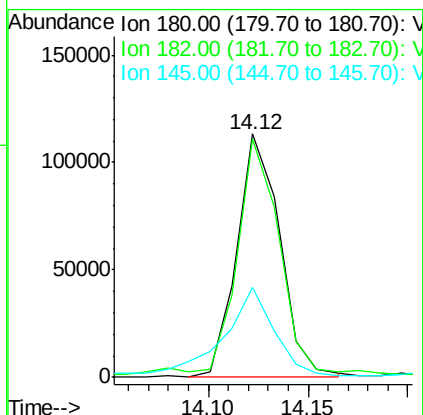
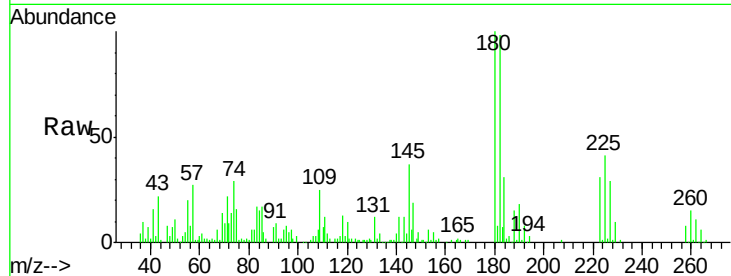
#93
 1,2,4-Trichlorobenzene
 Concen: 73.70 ug/l
 RT: 14.12 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	168575		
182	98.1	43.0	129.2	
145	36.9	17.3	52.0	

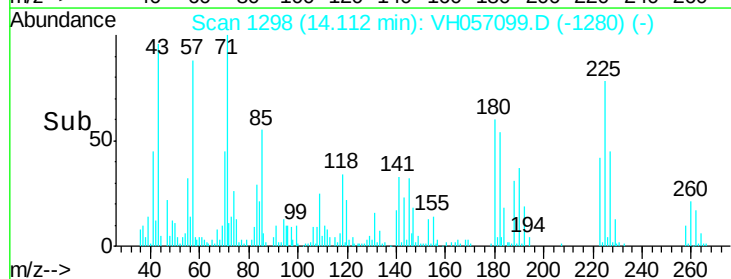
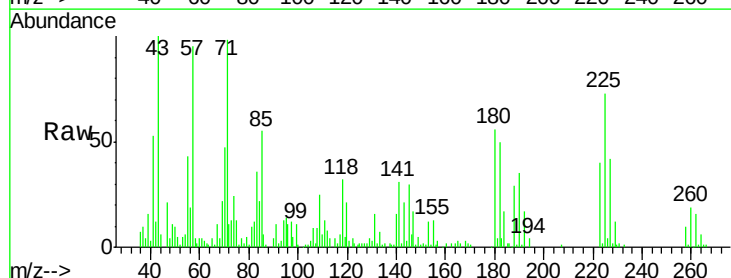
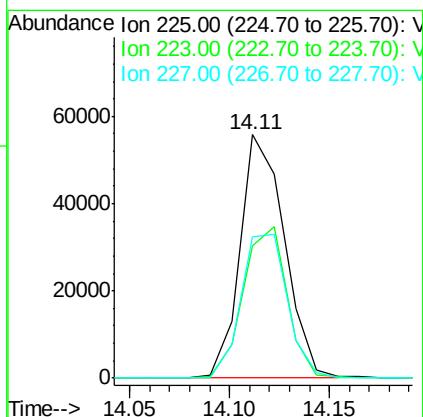
Manual Integrations
 APPROVED

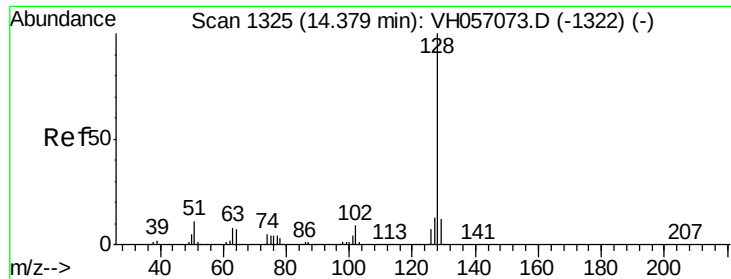
MMDadoda
 9/22/2015 2:55:08 PM



#94
 Hexachlorobutadiene
 Concen: 83.62 ug/l
 RT: 14.11 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: VH057099.D
 Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86016		
223	54.2	30.3	90.8	
227	57.7	30.5	91.5	





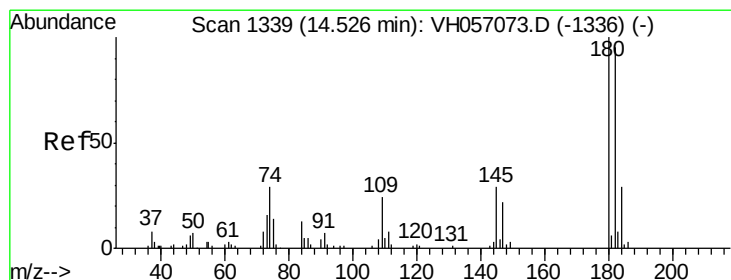
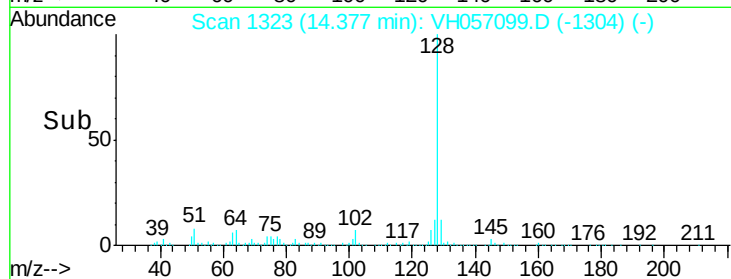
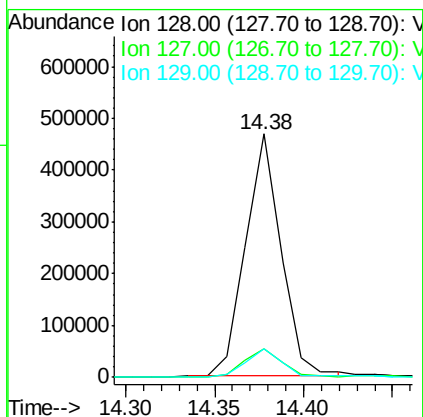
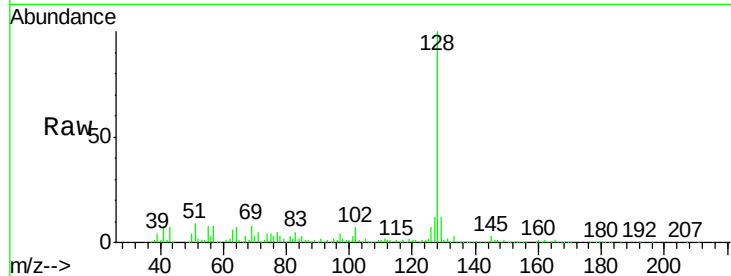
#95
Naphthalene
Concen: 69.56 ug/l
RT: 14.38 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.6	14.4
129	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:55:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 82.97 ug/l
RT: 14.52 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VH057099.D
Acq: 21 Sep 2015 19:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.1	141.3
145	37.5	12.5	37.5#

