

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057070.D
 Acq On : 17 Sep 2015 17:13
 Operator : SY/FY
 Sample : VSTDIC010
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:12:25 PM

Quant Time: Sep 18 09:39:25 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:34:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	723110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	1324589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	999805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	272140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	125712	11.01	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	22.02%#
35) Dibromofluoromethane	4.08	113	101915	10.63	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	21.26%#
48) Toluene-d8	7.51	98	289052	11.36	ug/l	0.00
Spiked Amount	50.000	Range	78 - 121	Recovery	=	22.72%#
62) 4-Bromofluorobenzene	11.36	95	90158	9.72	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	19.44%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	105062	11.50	ug/l	99
3) Chloromethane	1.02	50	137507	10.78	ug/l	99
4) Vinyl Chloride	1.09	62	107742	10.27	ug/l	99
5) Bromomethane	1.27	94	62253	12.02	ug/l	81
6) Chloroethane	1.35	64	55702	10.57	ug/l	94
7) Trichlorofluoromethane	1.40	101	95672m	12.28	ug/l	
8) Tert butyl alcohol	2.54	59	127772	53.17	ug/l	# 89
9) Diethyl Ether	1.61	74	47810	9.22	ug/l	91
10) Diisopropyl ether	2.78	45	356916	9.49	ug/l	97
11) 1,1-Dichloroethene	1.75	96	76629	10.42	ug/l	97
12) Methyl Iodide	1.85	142	138148	11.36	ug/l	94
13) Acrolein	1.97	56	69695	44.46	ug/l	97
14) 1,1,2-Trichlorotrifluoroet	1.79	101	74760	10.61	ug/l	97
15) Acrylonitrile	2.91	53	238901	44.53	ug/l	96
16) Allyl Chloride	2.08	41	161119	9.54	ug/l	93
17) Acetone	2.21	43	357582	60.60	ug/l	97
18) Carbon Disulfide	1.77	76	229170	10.14	ug/l	# 93
19) Methyl Acetate	2.32	43	377460	8.97	ug/l	93
20) Methyl tert-butyl Ether	2.41	73	291873	10.18	ug/l	100
21) Methylene Chloride	2.16	84	80839m	9.65	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	81657	10.07	ug/l	98
23) Vinyl Acetate	3.17	43	839284	50.96	ug/l	99
24) 1,1-Dichloroethane	2.84	63	177463	10.07	ug/l	98
25) 2-Butanone	4.30	43	641794	49.28	ug/l	99
26) 2,2-Dichloropropane	3.57	77	111575	11.52	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	108812	10.64	ug/l	94
28) Bromochloromethane	3.69	128	33566	8.80	ug/l	90
29) Chloroform	3.84	83	207126	11.21	ug/l	94
30) Cyclohexane	3.67	56	145728	10.83	ug/l	92
31) Tetrahydrofuran	4.05	42	362003	47.83	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	149042	11.61	ug/l	93
36) 1,1-Dichloropropene	4.26	75	158636	11.68	ug/l	96
37) Ethyl acetate	4.09	43	301364	10.61	ug/l	# 55
38) Carbon Tetrachloride	3.97	117	121729	11.37	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.61	78	374163	10.96	ug/l	94
40) Methacrylonitrile	4.71	41	129840	9.85	ug/l	92
41) 1,2-Dichloroethane	4.91	62	161091	11.01	ug/l	100
42) Isopropyl Acetate	5.46	43	400660	10.91	ug/l #	96
43) Trichloroethene	5.48	130	93800	11.05	ug/l	98
44) Methylcyclohexane	5.43	83	93739	11.15	ug/l	93
45) 1,2-Dichloropropane	6.21	63	116715	10.63	ug/l	100
46) Dibromomethane	6.06	93	74122	10.75	ug/l	94
47) Bromodichloromethane	6.35	83	157001	11.15	ug/l	98
49) 4-Methyl-2-Pentanone	8.21	43	1195002	53.08	ug/l	94
50) Toluene	7.59	92	238775	10.94	ug/l	94
51) t-1,3-Dichloropropene	8.23	75	172100	10.61	ug/l	100
52) Methyl Methacrylate	6.69	69	111762	10.10	ug/l	96
53) 1,4-Dioxane	6.67	88	28909	266.11	ug/l	90
54) cis-1,3-Dichloropropene	7.26	75	189069	10.69	ug/l	96
55) 1,1,2-Trichloroethane	8.44	97	98676	11.11	ug/l	96
56) Ethyl Methacrylate	8.58	69	185400	10.06	ug/l	100
57) 1,3-Dichloropropane	8.80	76	204907	10.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	507620	32.08	ug/l	97
59) 2-Hexanone	9.44	43	917190	55.87	ug/l	99
60) Dibromochloromethane	8.66	129	107464	10.66	ug/l	96
61) 1,2-Dibromoethane	8.93	107	108334	10.41	ug/l	95
64) Tetrachloroethene	8.11	164	60138	10.68	ug/l	95
65) Chlorobenzene	9.75	112	233186	11.17	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.87	131	77034	10.51	ug/l	89
67) Ethyl Benzene	9.85	106	107479	10.27	ug/l	98
68) m/p-Xylenes	10.08	106	261482	20.80	ug/l	95
69) o-Xylene	10.66	106	130945	10.79	ug/l	88
70) Styrene	10.73	104	223510	10.93	ug/l	96
71) Bromoform	10.72	173	57505	9.58	ug/l	95
73) Isopropylbenzene	11.08	105	269083	10.52	ug/l	91
74) n-Amyl Acetate	11.33	43	297076	10.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.64	83	131995	9.98	ug/l	94
76) 1,2,3-Trichloropropane	11.74	75	116269	11.30	ug/l	91
77) Bromobenzene	11.44	156	78571	11.39	ug/l	91
78) n-propylbenzene	11.54	91	305530	11.36	ug/l	97
79) 2-Chlorotoluene	11.66	91	186447	11.44	ug/l	92
80) 1,3,5-Trimethylbenzene	11.77	105	175002	11.06	ug/l	99
81) trans-1,4-Dichloro-2-Buten	11.81	75	82521	10.50	ug/l	96
82) 4-Chlorotoluene	11.84	91	216548	11.12	ug/l	96
83) tert-Butylbenzene	12.08	119	176089	11.83	ug/l	95
84) 1,2,4-Trimethylbenzene	12.15	105	183281	11.46	ug/l	100
85) sec-Butylbenzene	12.24	105	173222	10.94	ug/l	97
86) p-Isopropyltoluene	12.40	119	134100	11.04	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	91066	11.06	ug/l	92
88) 1,4-Dichlorobenzene	12.51	146	95150	10.98	ug/l	98
89) n-Butylbenzene	12.78	91	100825	10.60	ug/l	95
90) Hexachloroethane	12.85	117	30940	11.97	ug/l	71
91) 1,2-Dichlorobenzene	12.87	146	82923	11.71	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.58	75	15804	11.80	ug/l	92

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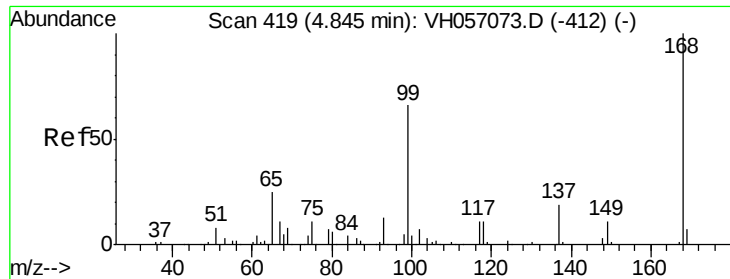
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	13048	10.25	ug/l	81
94) Hexachlorobutadiene	14.12	225	9232	14.38	ug/l	85
95) Naphthalene	14.38	128	54090	9.87	ug/l	98
96) 1,2,3-Trichlorobenzene	14.53	180	7963	9.85	ug/l #	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.84 min Scan# 420

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 723110

Ion Ratio Lower Upper

168 100

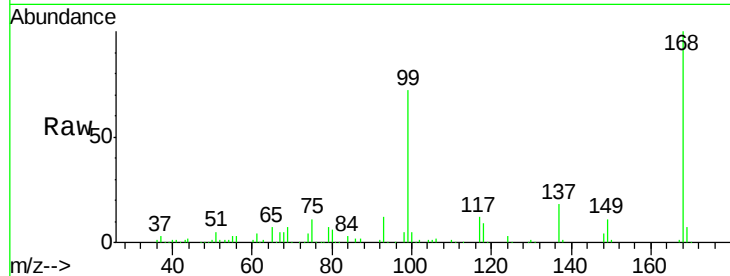
99 72.0 55.8 83.6

Manual Integrations

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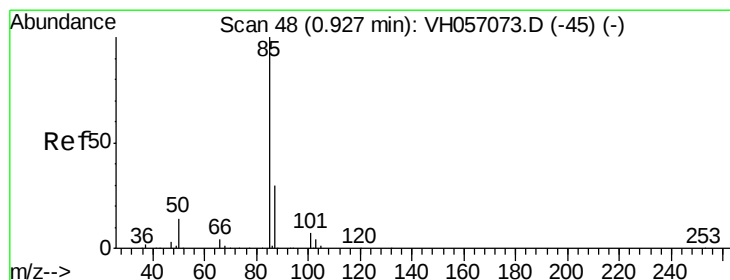
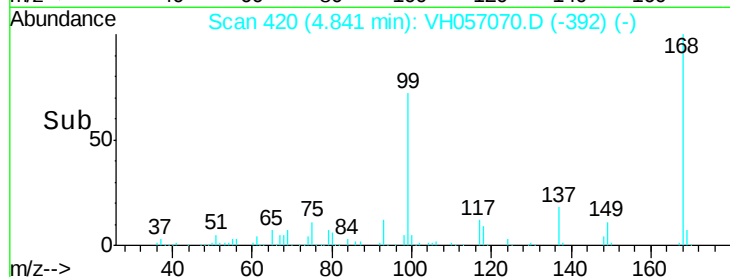
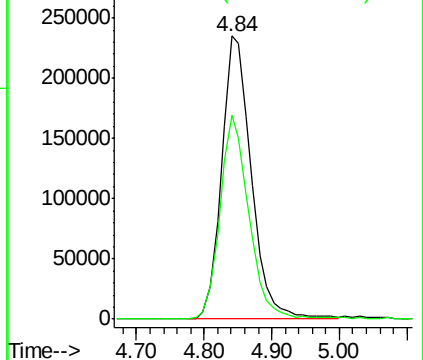
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VHC



#2

Dichlorodifluoromethane

Concen: 11.50 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057070.D

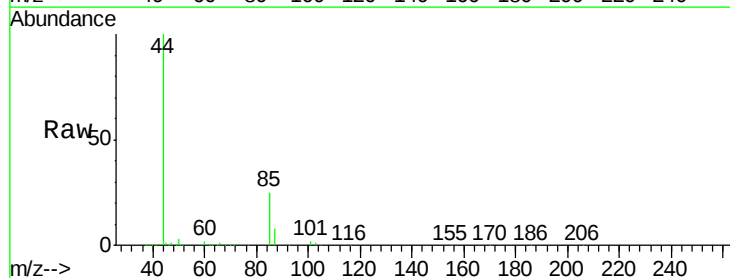
Acq: 17 Sep 2015 17:13

Tgt Ion: 85 Resp: 105062

Ion Ratio Lower Upper

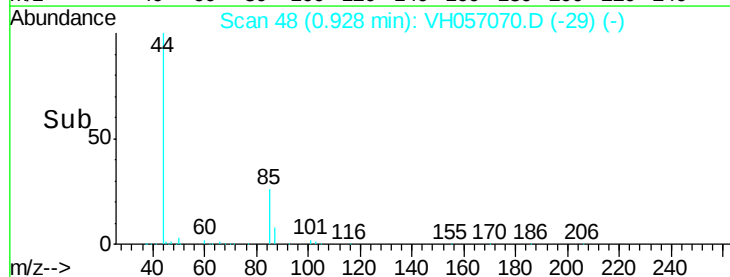
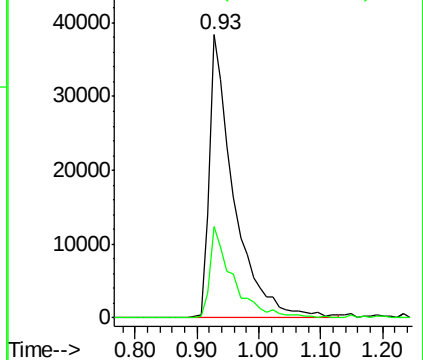
85 100

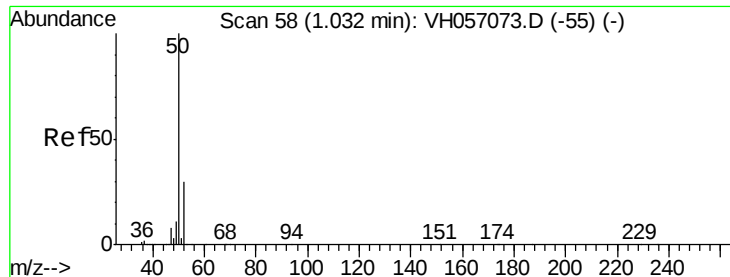
87 32.2 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VHC

Ion 87.00 (86.70 to 87.70): VHC





#3

Chloromethane

Concen: 10.78 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 137507

Ion Ratio Lower Upper

50 100

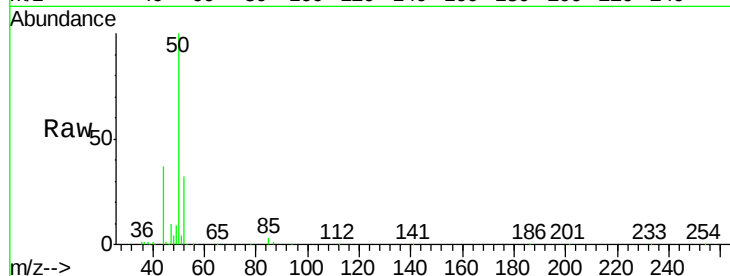
52 31.5 25.8 38.8

Manual Integrations

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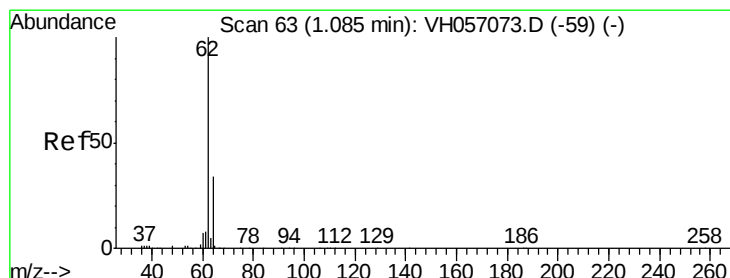
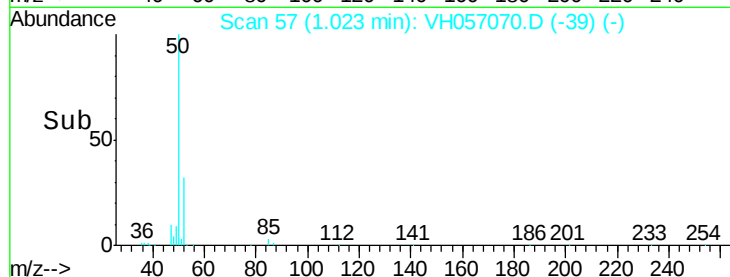
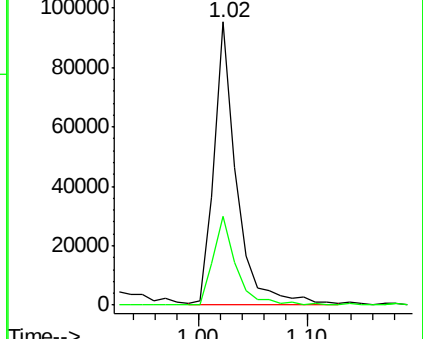
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Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0



#4

Vinyl Chloride

Concen: 10.27 ug/l

RT: 1.09 min Scan# 63

Delta R.T. 0.00 min

Lab File: VH057070.D

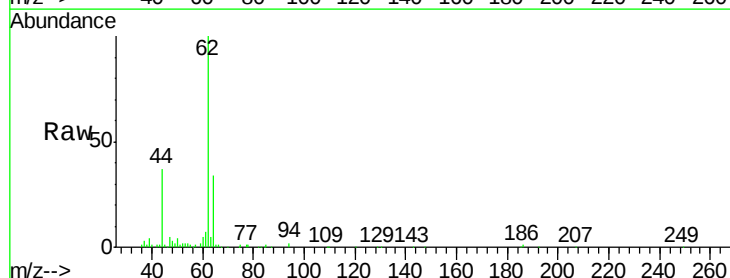
Acq: 17 Sep 2015 17:13

Tgt Ion: 62 Resp: 107742

Ion Ratio Lower Upper

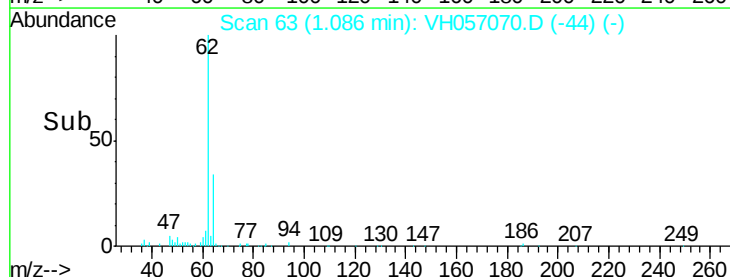
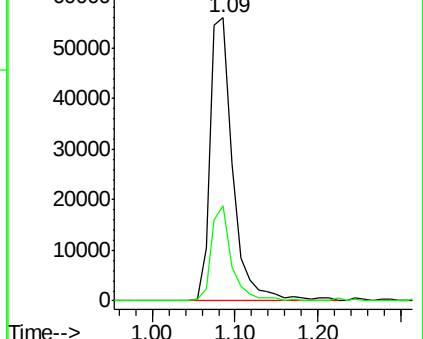
62 100

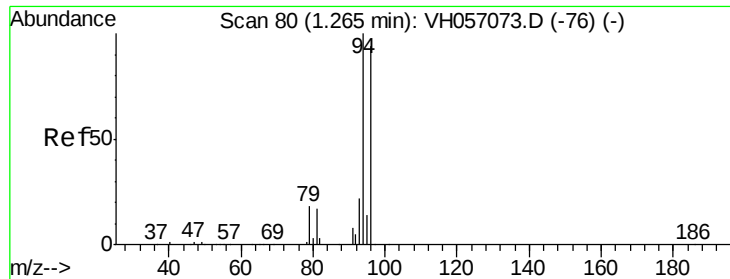
64 33.7 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 64.00 (63.70 to 64.70): VH0





#5

Bromomethane

Concen: 12.02 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 62253

Ion Ratio Lower Upper

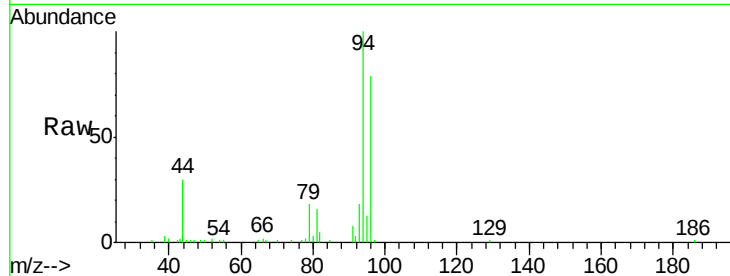
94 100

96 79.1 78.5 117.7

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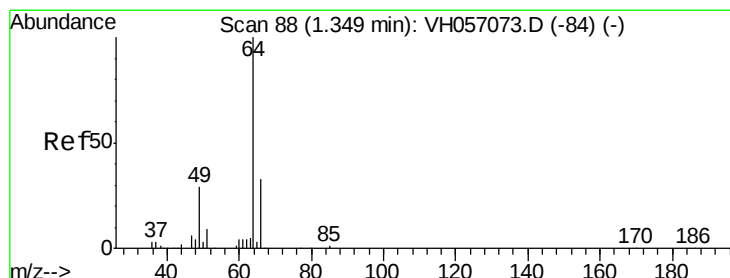
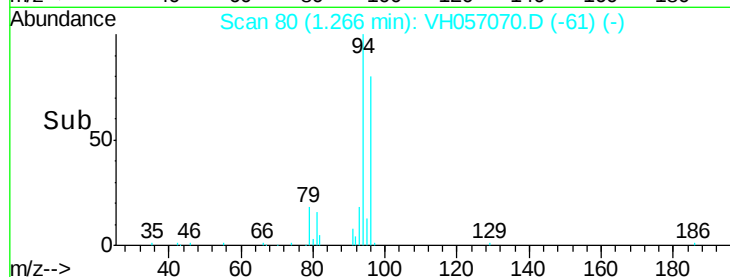
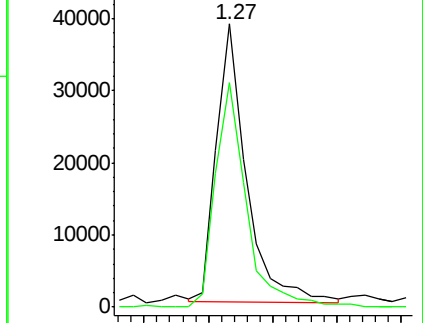
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Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 10.57 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057070.D

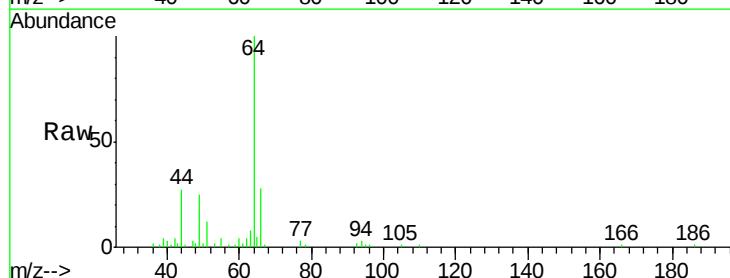
Acq: 17 Sep 2015 17:13

Tgt Ion: 64 Resp: 55702

Ion Ratio Lower Upper

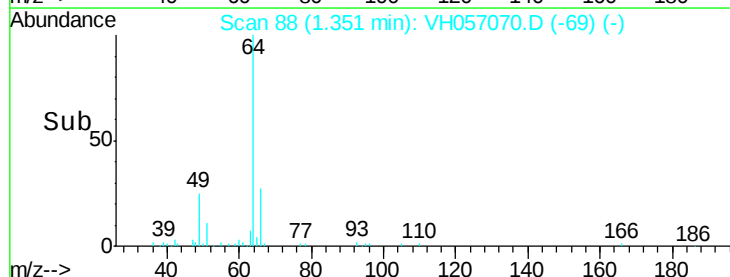
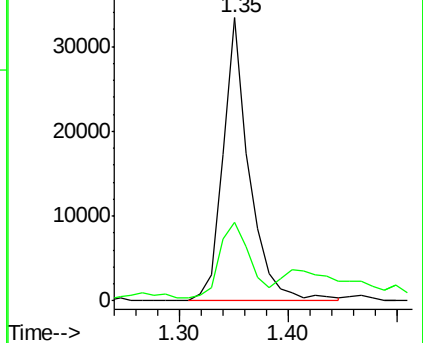
64 100

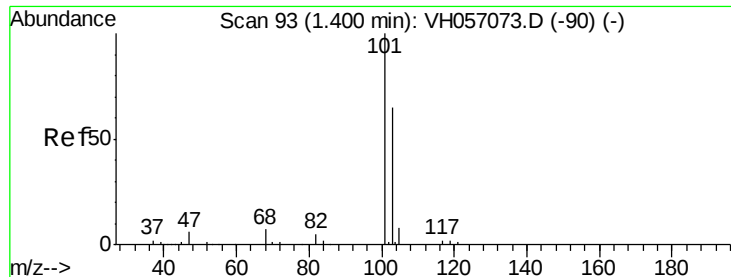
66 28.0 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

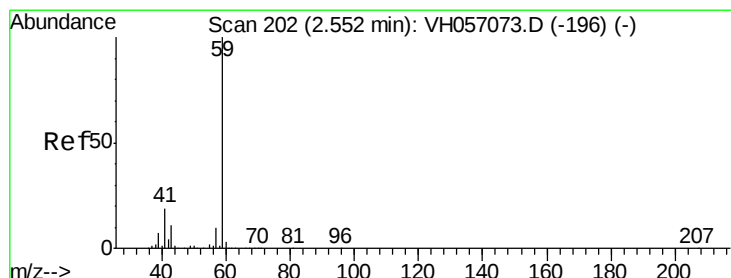
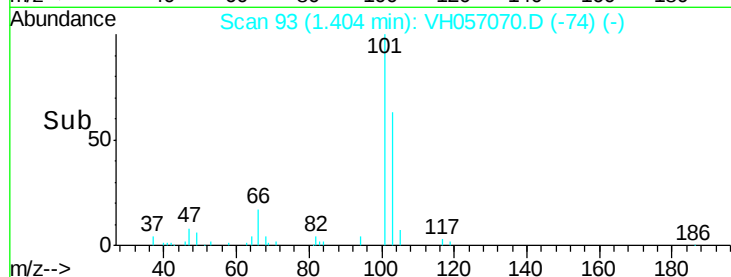
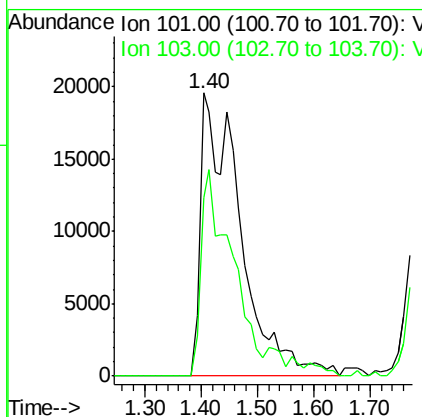
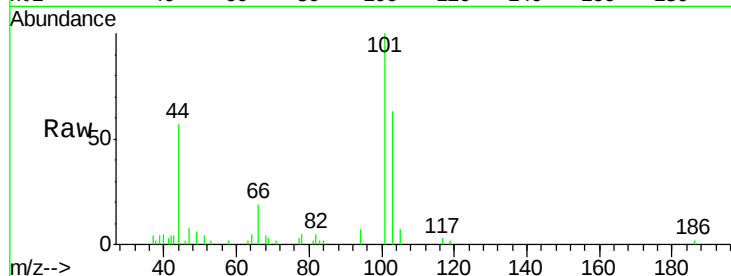
Trichlorofluoromethane
Concen: 12.28 ug/l m
RT: 1.40 min Scan# 93
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	54.9	82.3

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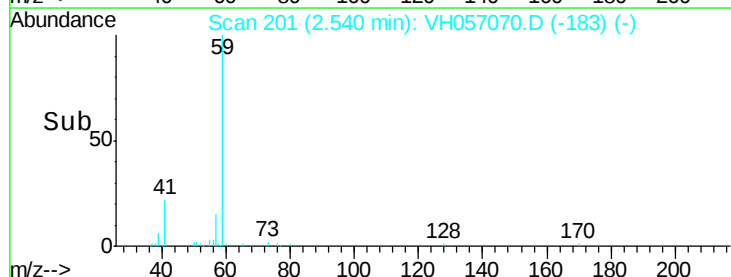
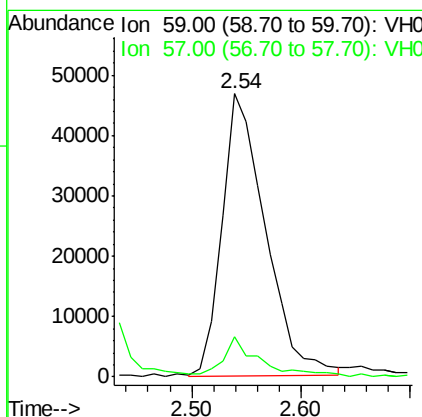
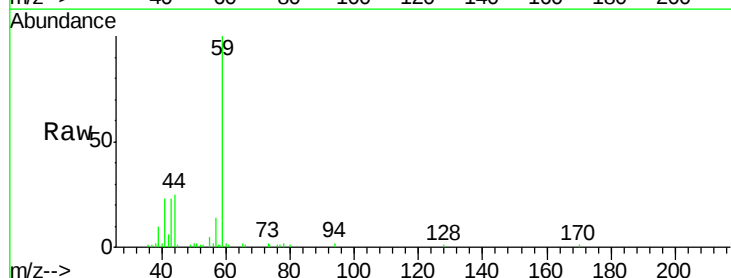
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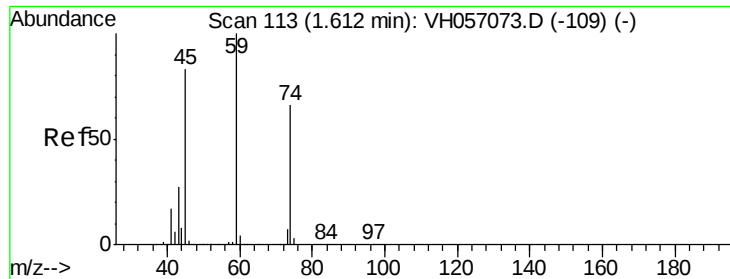


#8

Tert butyl alcohol
Concen: 53.17 ug/l
RT: 2.54 min Scan# 201
Delta R.T. -0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.1	9.0	11.0#





#9

Diethyl Ether

Concen: 9.22 ug/l

RT: 1.61 min Scan# 113

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 74 Resp: 47810

Ion Ratio Lower Upper

74 100

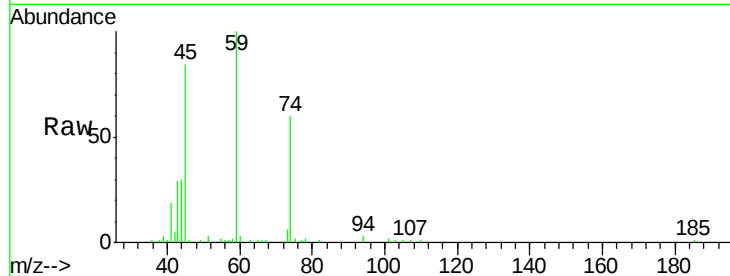
45 140.9 0.0 304.4

Manual Integrations

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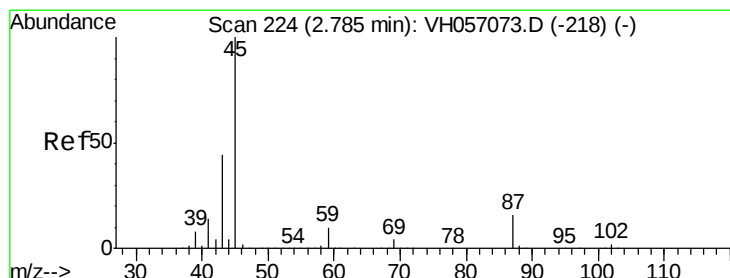
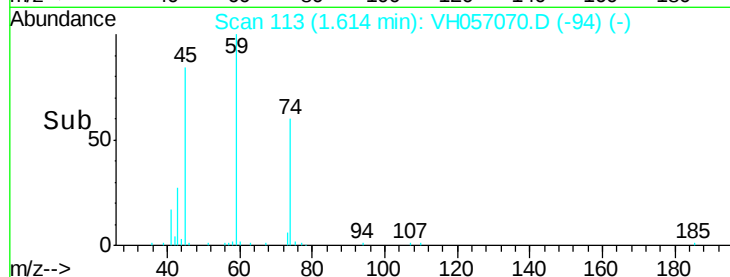
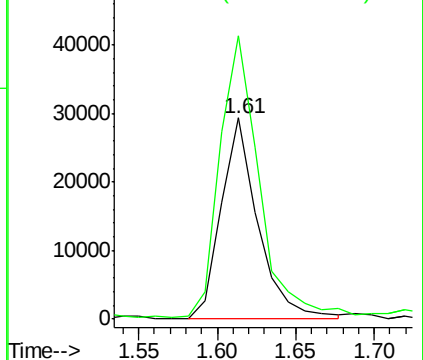
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Abundance Ion 74.00 (73.70 to 74.70): VH057073.D (-109) (-)

Ion 45.00 (44.70 to 45.70): VH057073.D (-109) (-)



#10

Diisopropyl ether

Concen: 9.49 ug/l

RT: 2.78 min Scan# 224

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion: 45 Resp: 356916

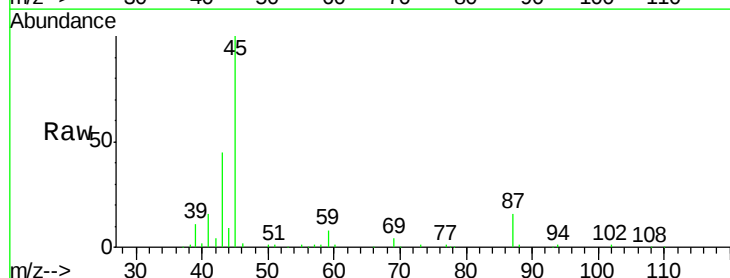
Ion Ratio Lower Upper

45 100

43 45.2 34.6 52.0

87 16.1 12.6 19.0

59 8.5 8.4 12.6

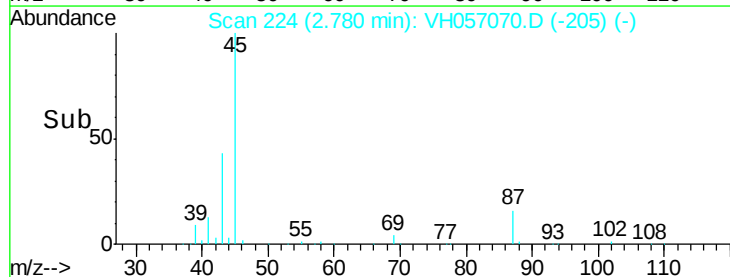
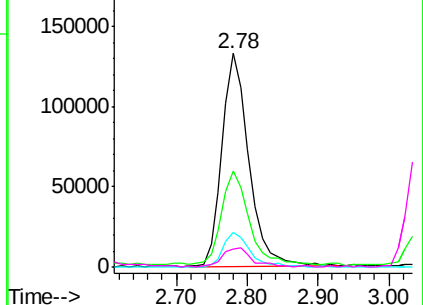


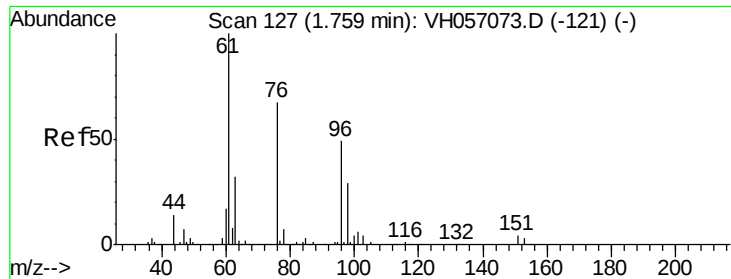
Abundance Ion 45.00 (44.70 to 45.70): VH057073.D (-218) (-)

Ion 43.00 (42.70 to 43.70): VH057073.D (-218) (-)

Ion 87.00 (86.70 to 87.70): VH057073.D (-218) (-)

Ion 59.00 (58.70 to 59.70): VH057073.D (-218) (-)





#11

1,1-Dichloroethene

Concen: 10.42 ug/l

RT: 1.75 min Scan# 126

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleID :

VSTDIC010

Tot Ion: 96 Resp: 76629

Ion Ratio Lower Upper

96 100

61 202.3 158.4 237.6

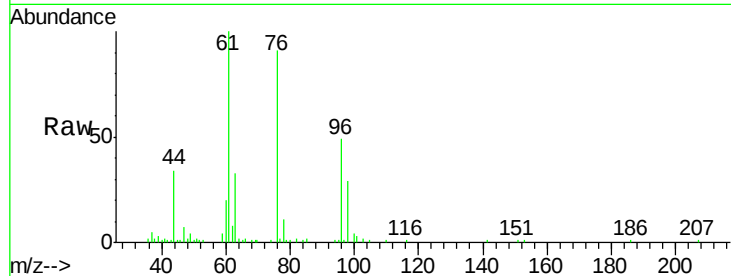
98 59.2 50.6 75.8

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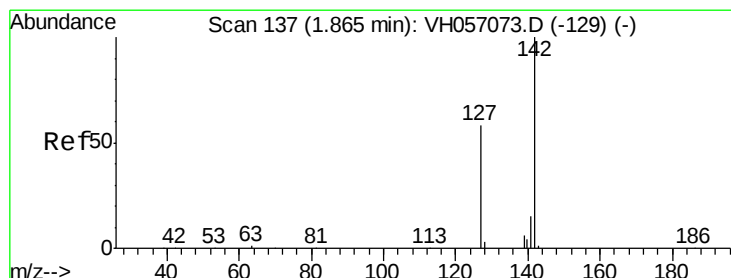
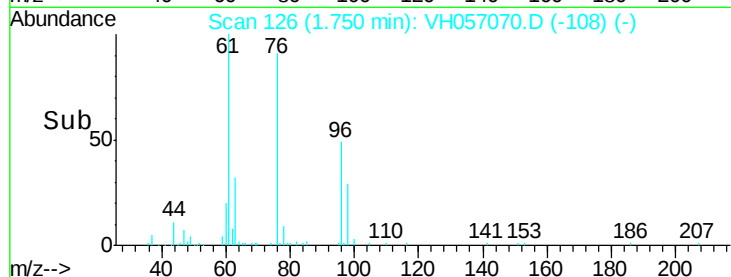
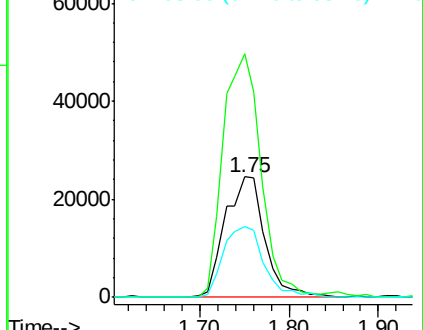
9/18/2015 3:12:25 PM



Abundance Ion 96.00 (95.70 to 96.70): VH057070.D (-121) (-)

Ion 61.00 (60.70 to 61.70): VH057070.D (-121) (-)

Ion 98.00 (97.70 to 98.70): VH057070.D (-121) (-)



#12

Methyl Iodide

Concen: 11.36 ug/l

RT: 1.85 min Scan# 136

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

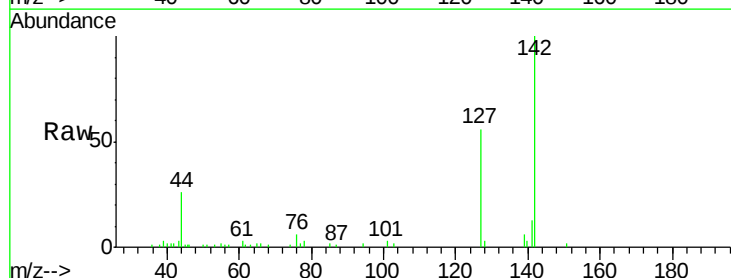
Tgt Ion: 142 Resp: 138148

Ion Ratio Lower Upper

142 100

127 55.5 30.0 90.1

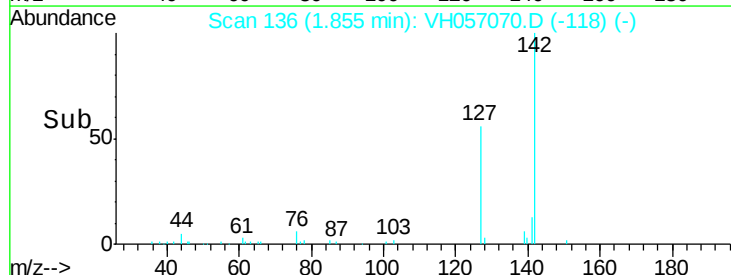
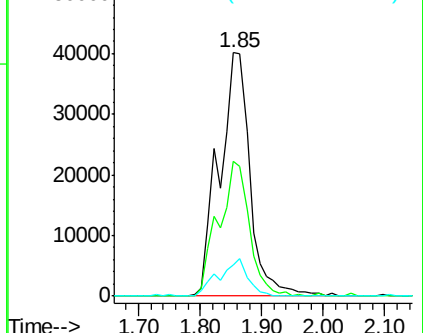
141 12.8 7.1 21.4

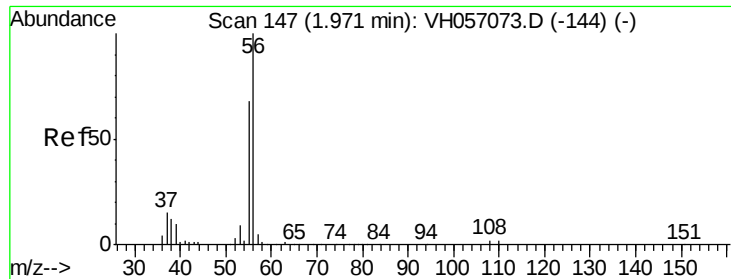


Abundance Ion 142.00 (141.70 to 142.70): VH057070.D (-129) (-)

Ion 127.00 (126.70 to 127.70): VH057070.D (-129) (-)

Ion 141.00 (140.70 to 141.70): VH057070.D (-129) (-)





#13

Acrolein

Concen: 44.46 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 69695

Ion Ratio Lower Upper

56 100

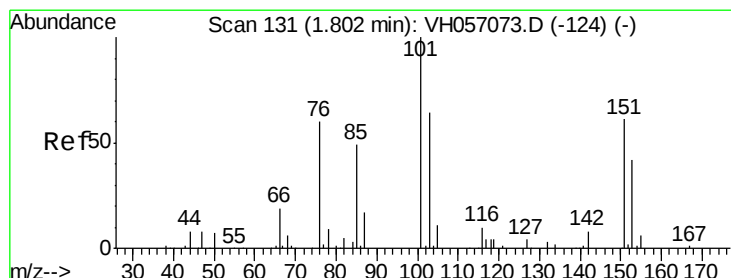
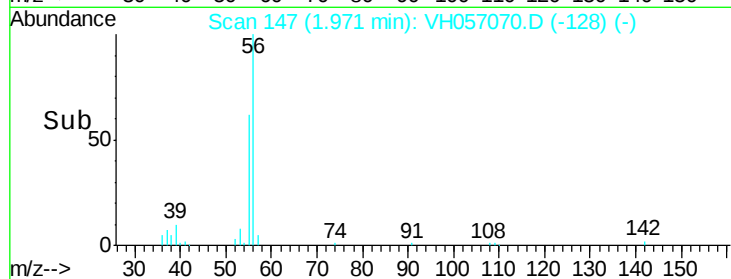
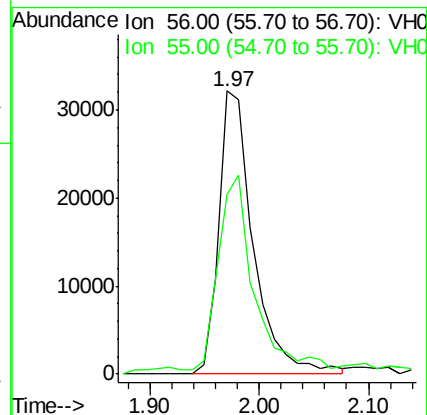
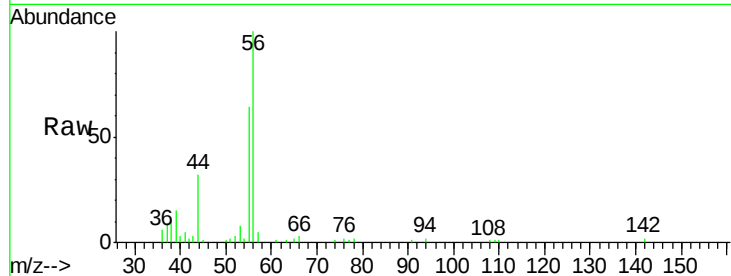
55 63.6 52.9 79.3

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#14

1,1,2-Trichlorotrifluoroethane

Concen: 10.61 ug/l

RT: 1.79 min Scan# 130

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

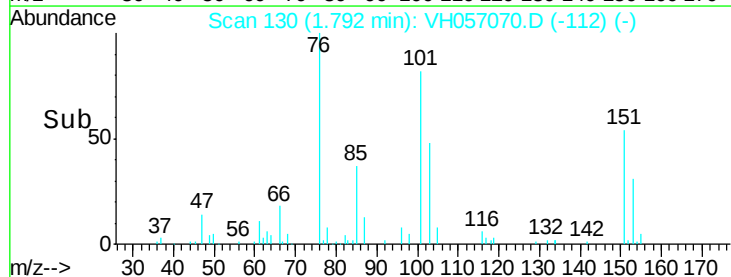
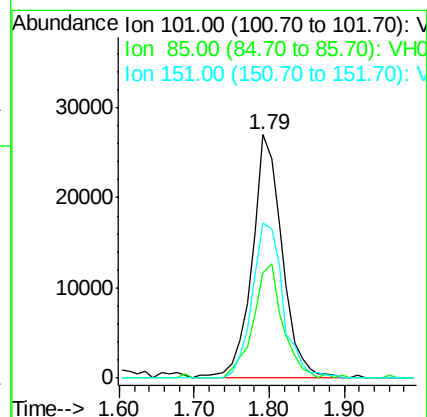
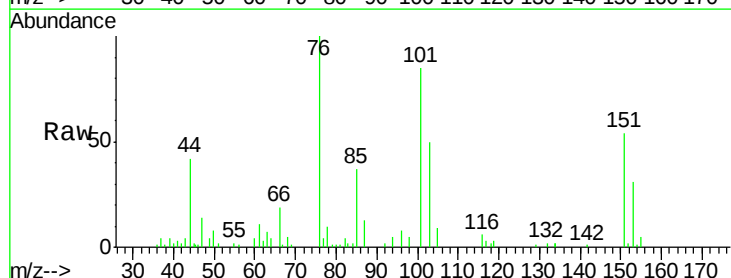
Tgt Ion: 101 Resp: 74760

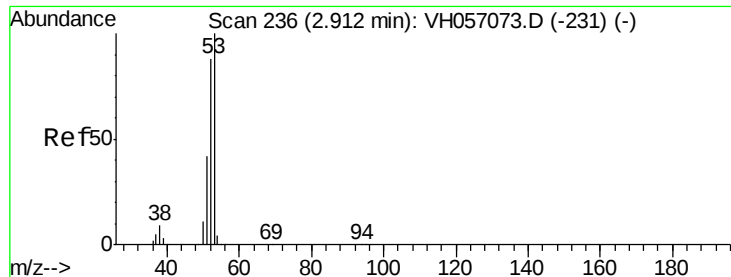
Ion Ratio Lower Upper

101 100

85 43.2 37.9 56.9

151 63.6 50.6 76.0





#15

Acrylonitrile

Concen: 44.53 ug/l

RT: 2.91 min Scan# 236

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

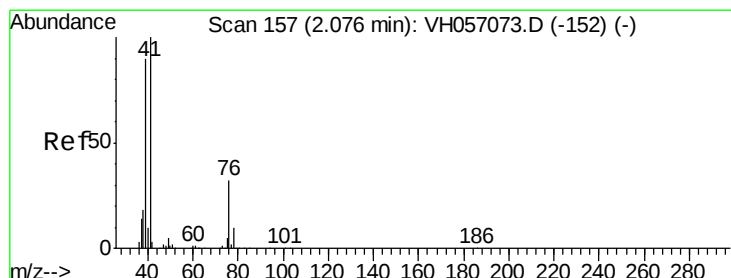
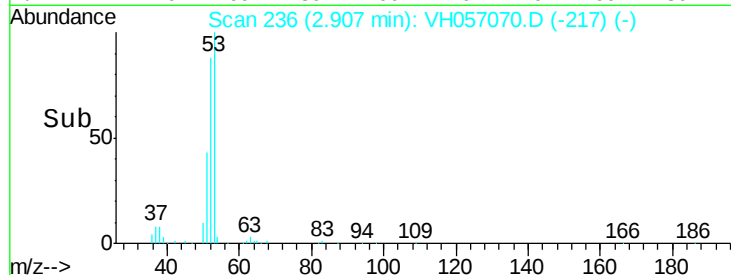
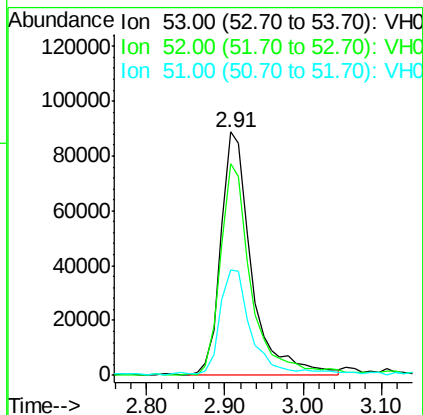
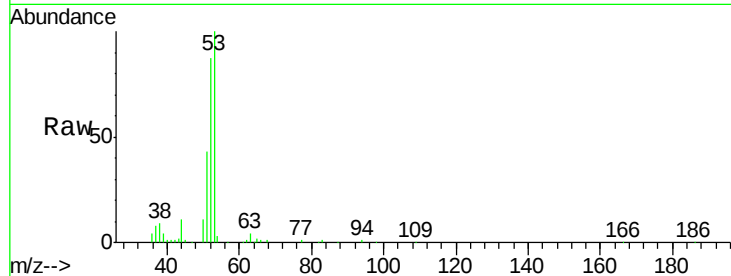
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	238901
Ion Ratio	Lower	Upper	
53	100		
52	87.1	67.6	101.4
51	43.1	31.8	47.6

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#16

Allyl Chloride

Concen: 9.54 ug/l

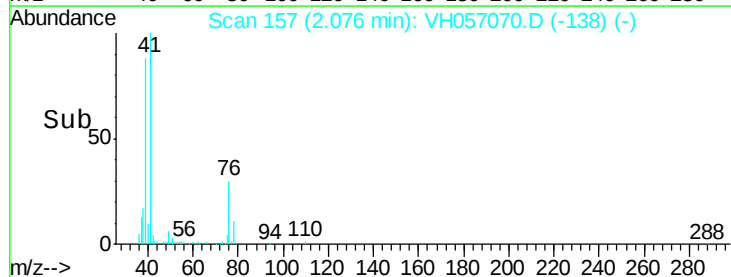
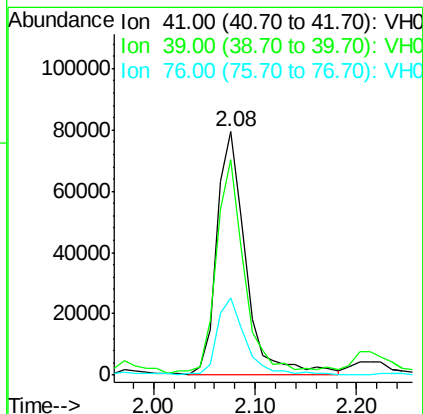
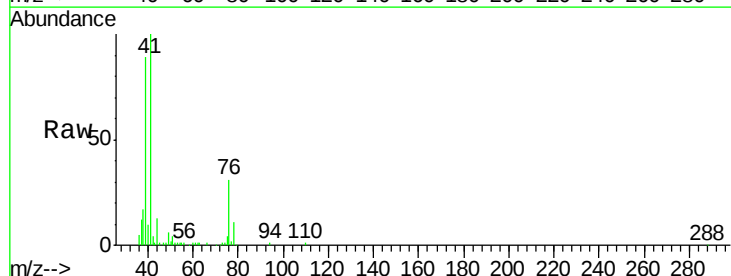
RT: 2.08 min Scan# 157

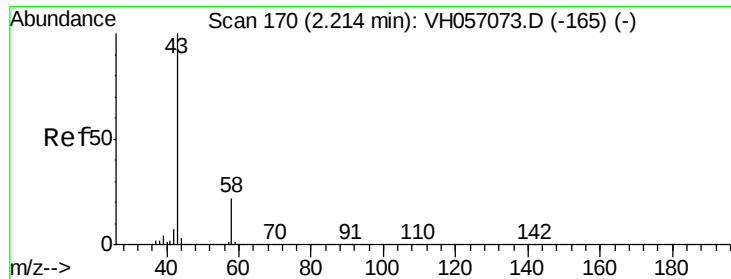
Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion:	41	Resp:	161119
Ion Ratio	Lower	Upper	
41	100		
39	88.7	41.0	123.2
76	31.5	14.3	42.9





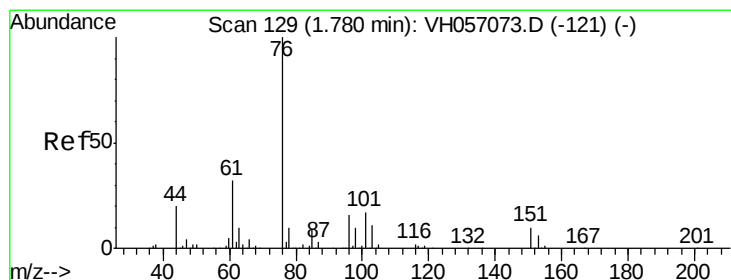
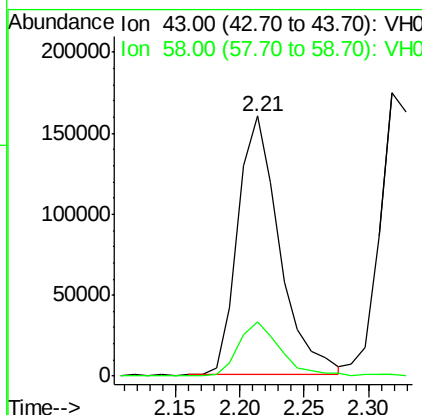
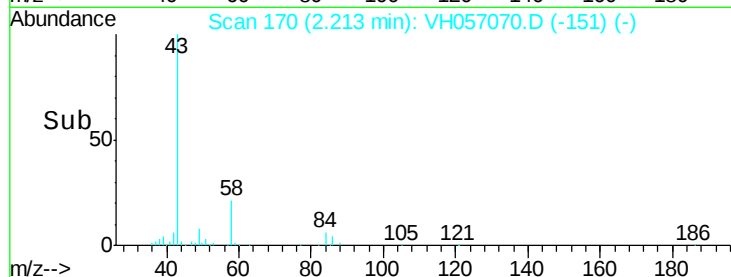
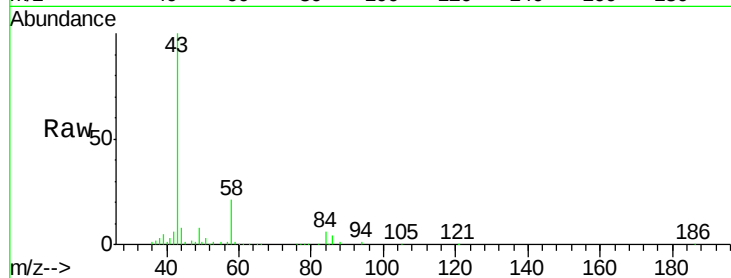
#17
Acetone
Concen: 60.60 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 357582
Ion Ratio Lower Upper
43 100
58 20.7 17.7 26.5

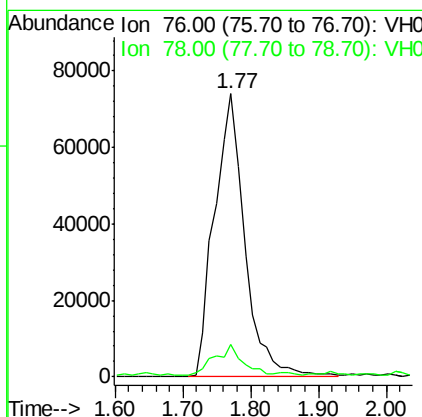
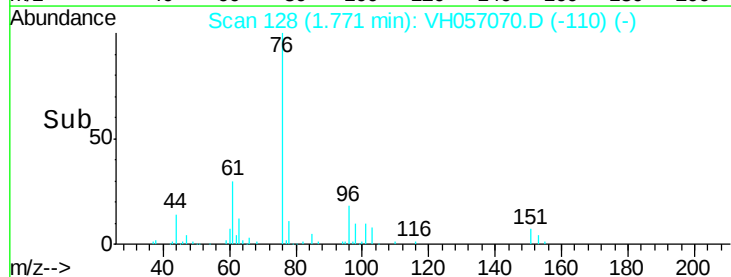
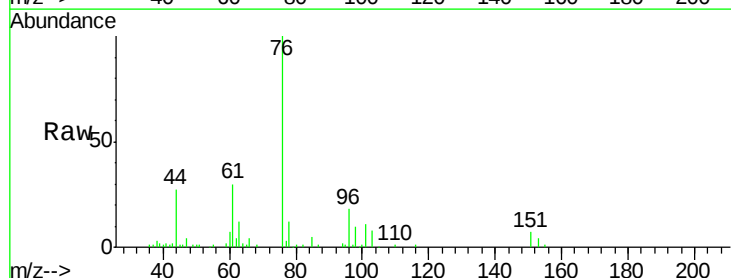
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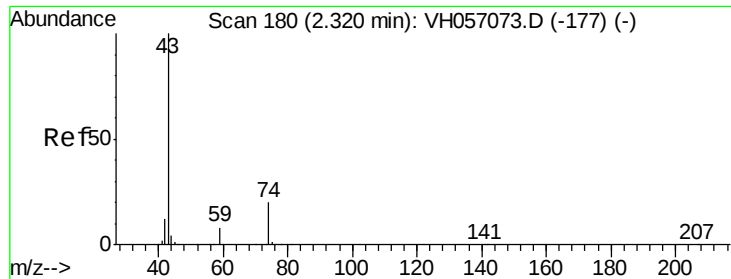
MMDadoda
9/18/2015 3:12:25 PM



#18
Carbon Disulfide
Concen: 10.14 ug/l
RT: 1.77 min Scan# 128
Delta R.T. -0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion: 76 Resp: 229170
Ion Ratio Lower Upper
76 100
78 11.5 7.1 10.7#





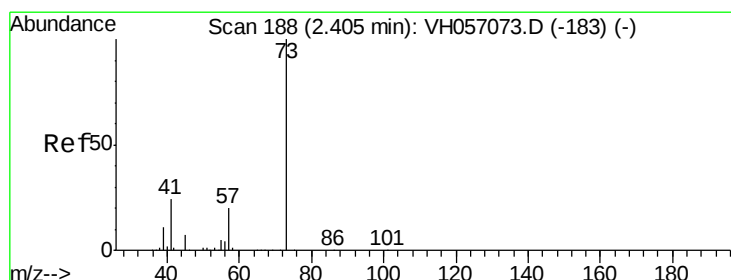
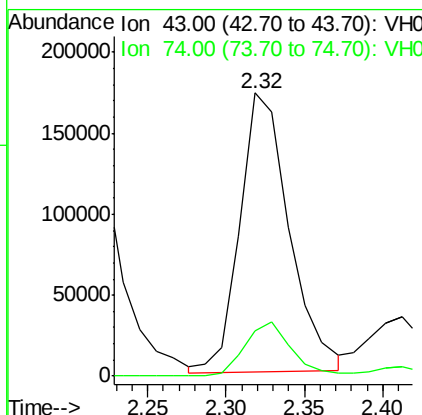
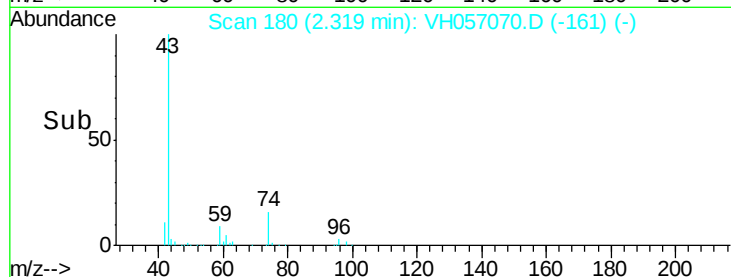
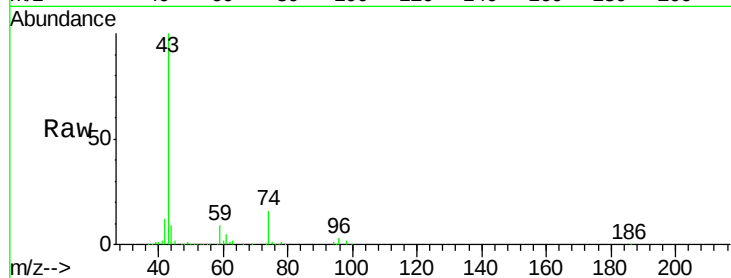
#19
Methyl Acetate
Concen: 8.97 ug/l
RT: 2.32 min Scan# 180
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 377460
Ion Ratio Lower Upper
43 100
74 15.8 13.3 24.7

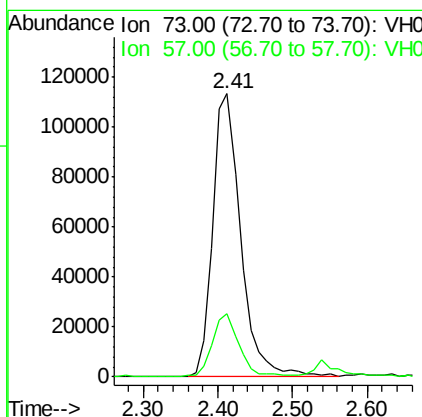
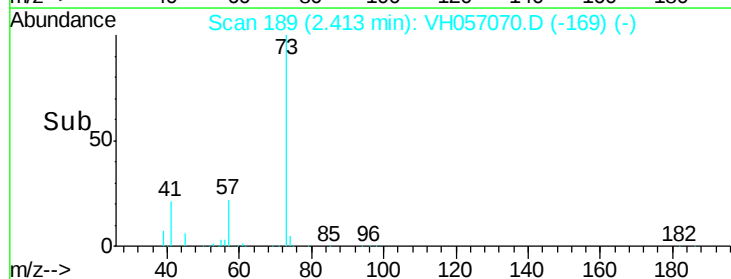
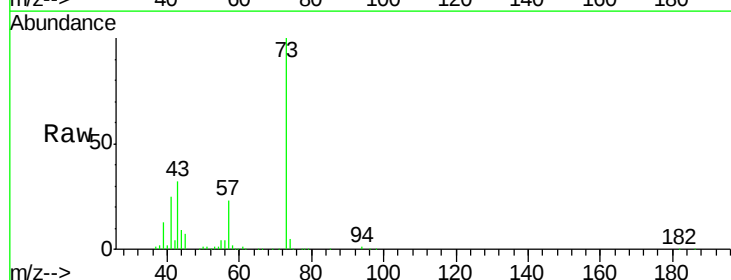
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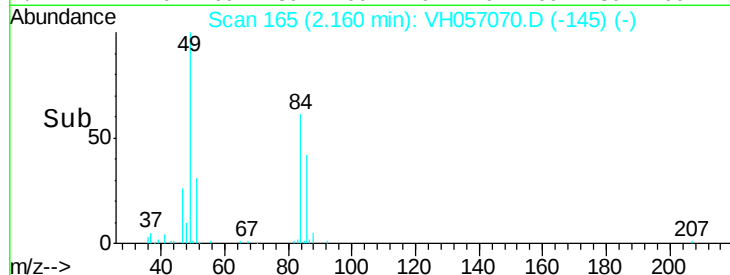
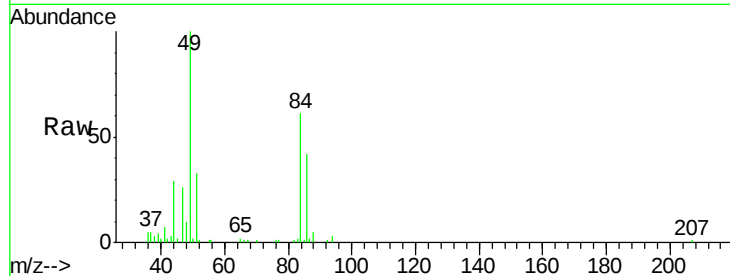
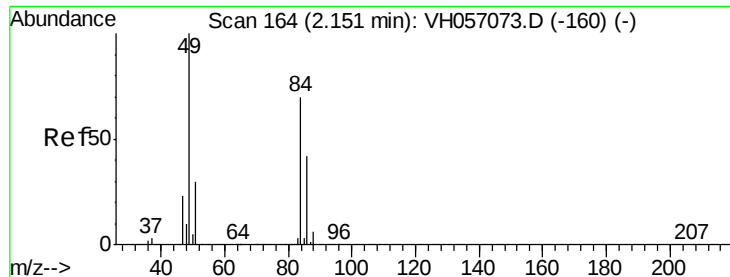
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 10.18 ug/l
RT: 2.41 min Scan# 189
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

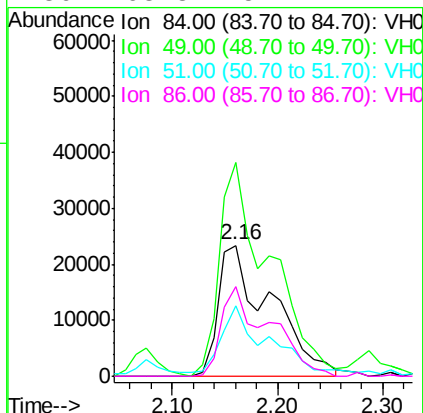
Tgt Ion: 73 Resp: 291873
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0





#21
Methvlene Chloride
Concen: 9.65 ug/l m
RT: 2.16 min Scan# 165
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

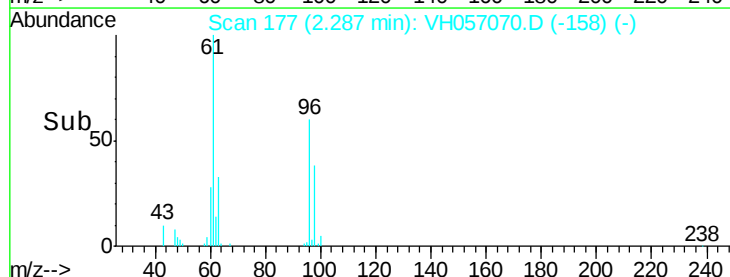
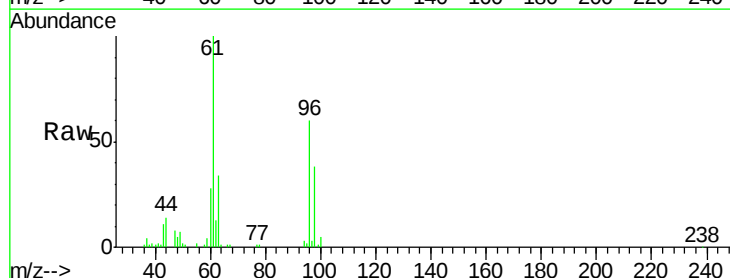
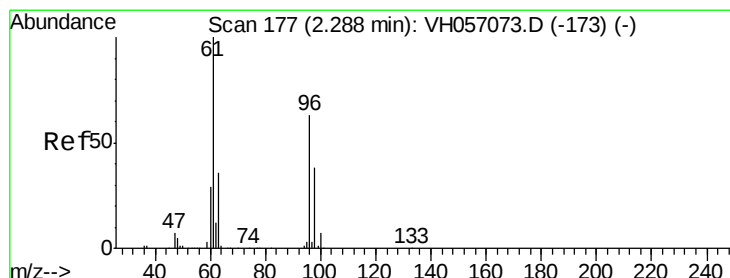
Tot Ion	Ratio	Lower	Upper
84	100		
49	163.3	132.8	199.2
51	53.6	39.5	59.3
86	68.8	51.4	77.2



Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

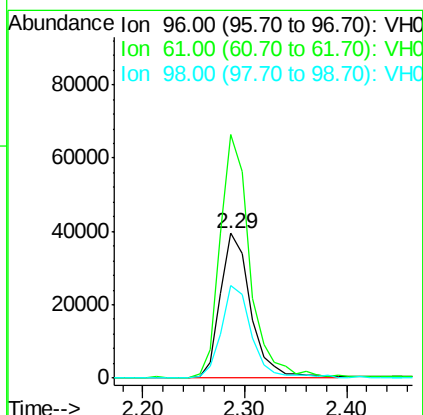
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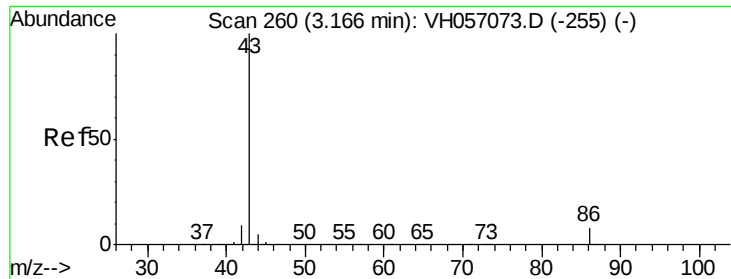
MMDadoda
9/18/2015 3:12:25 PM



#22
trans-1,2-Dichloroethene
Concen: 10.07 ug/l
RT: 2.29 min Scan# 177
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	131.7	197.5
98	63.5	49.5	74.3





#23

Vinyl Acetate

Concen: 50.96 ug/l

RT: 3.17 min Scan# 261

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 839284

Ion Ratio Lower Upper

43 100

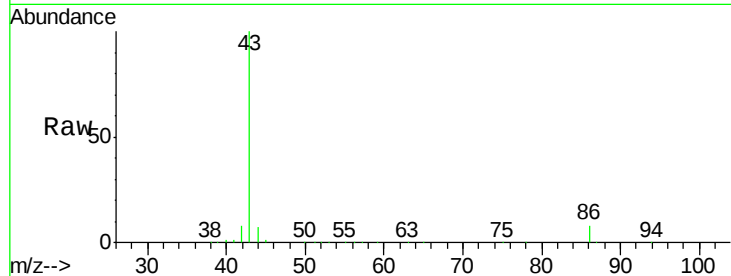
86 7.9 6.2 9.2

Manual Integrations

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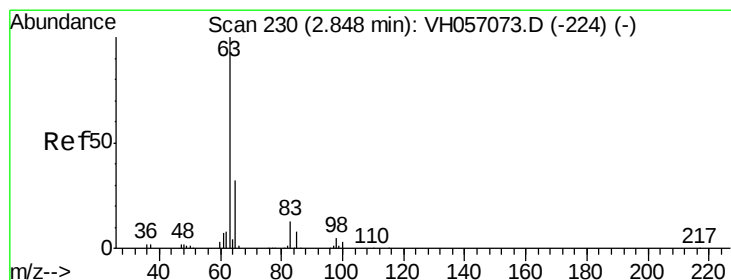
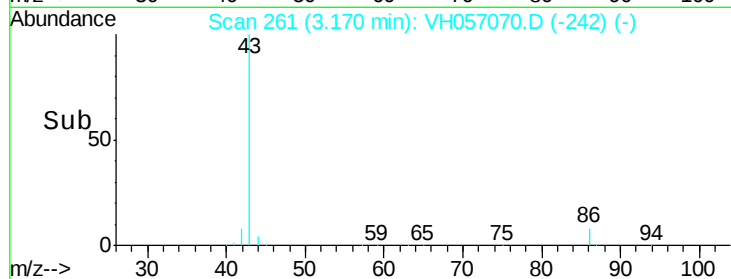
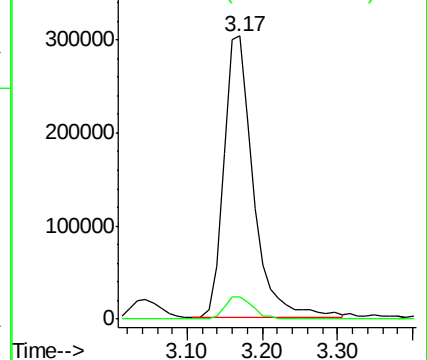
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 86.00 (85.70 to 86.70): VH0



#24

1,1-Dichloroethane

Concen: 10.07 ug/l

RT: 2.84 min Scan# 230

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

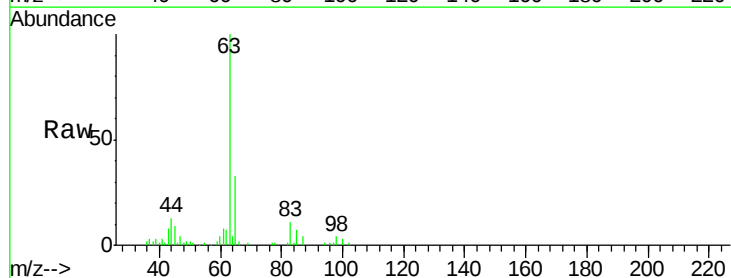
Tgt Ion: 63 Resp: 177463

Ion Ratio Lower Upper

63 100

98 4.3 2.6 7.8

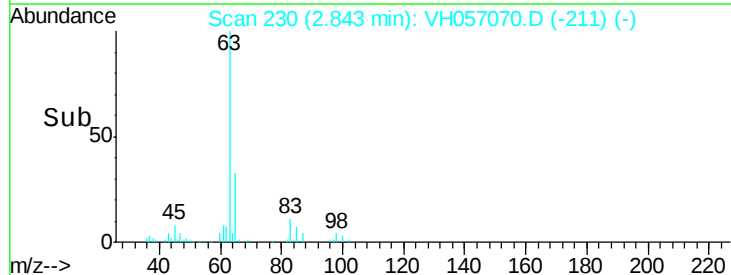
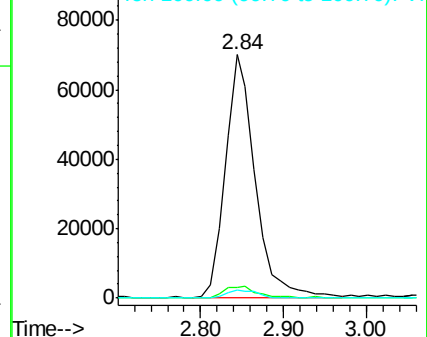
100 3.3 1.7 5.0

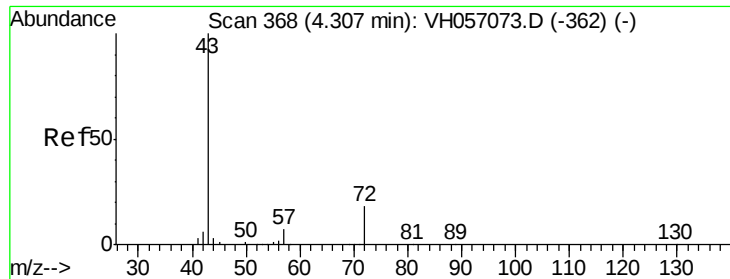


Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH0





#25

2-Butanone

Concen: 49.28 ug/l

RT: 4.30 min Scan# 369

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 641794

Ion Ratio Lower Upper

43 100

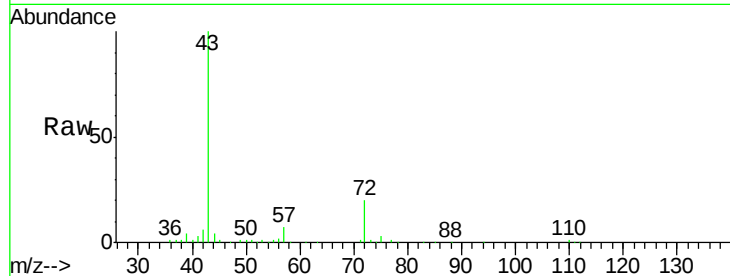
72 19.9 0.0 39.2

Manual Integrations

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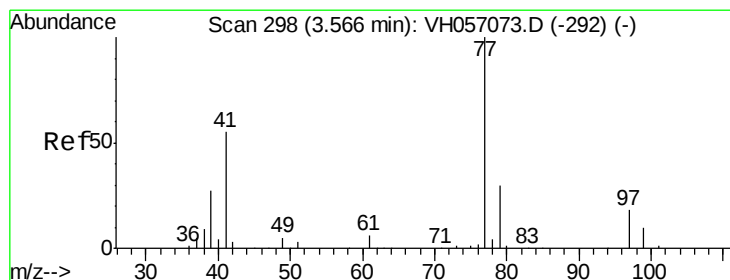
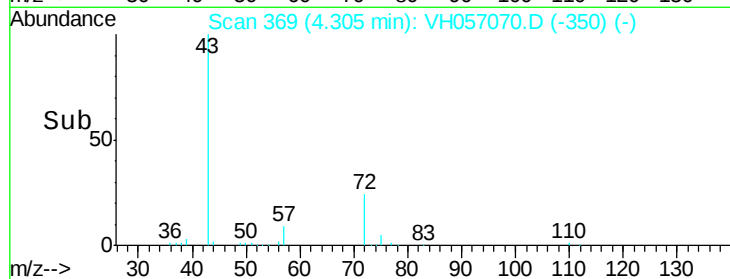
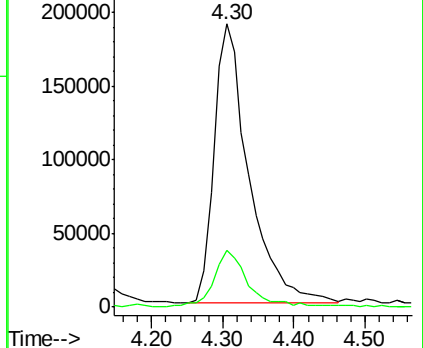
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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0



#26

2,2-Dichloropropane

Concen: 11.52 ug/l

RT: 3.57 min Scan# 299

Delta R.T. 0.00 min

Lab File: VH057070.D

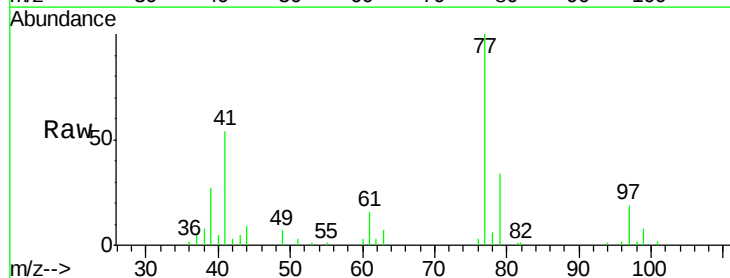
Acq: 17 Sep 2015 17:13

Tgt Ion: 77 Resp: 111575

Ion Ratio Lower Upper

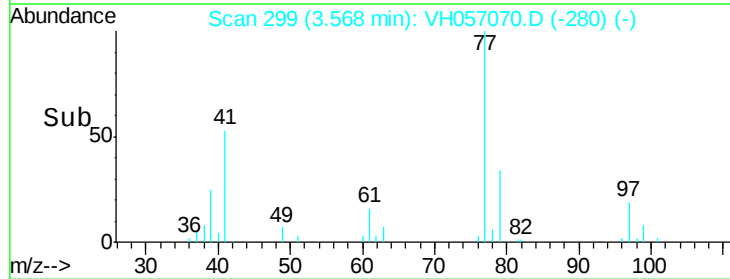
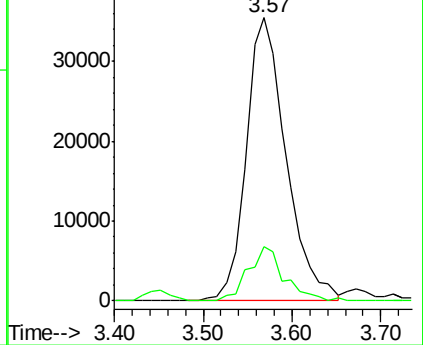
77 100

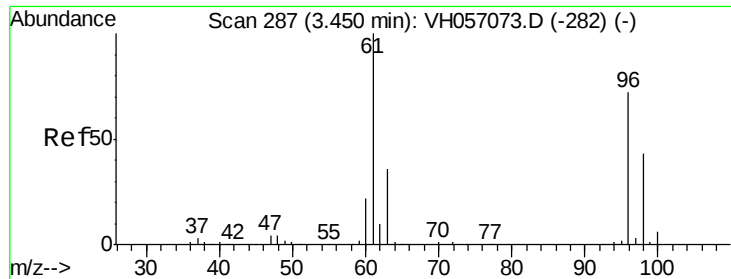
97 19.0 8.8 26.4



Abundance Ion 77.00 (76.70 to 77.70): VH0

Ion 97.00 (96.70 to 97.70): VH0





#27

cis-1,2-Dichloroethene

Concen: 10.64 ug/l

RT: 3.45 min Scan# 288

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

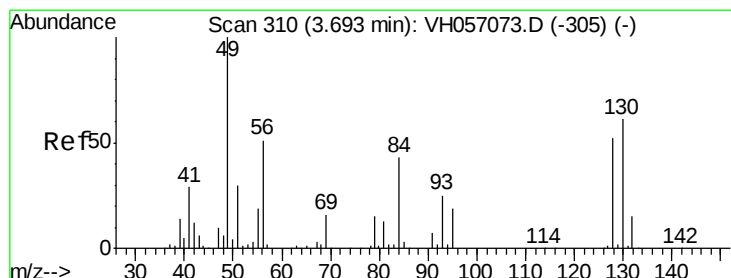
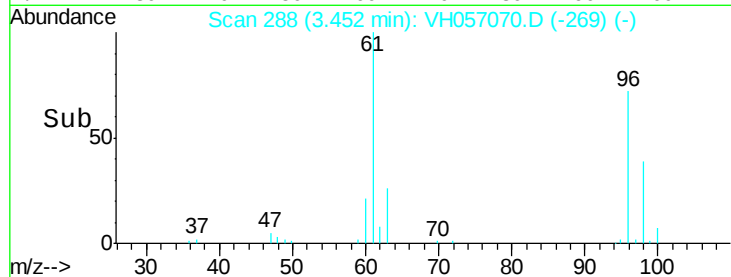
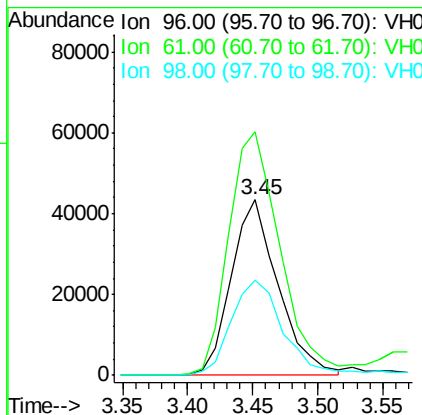
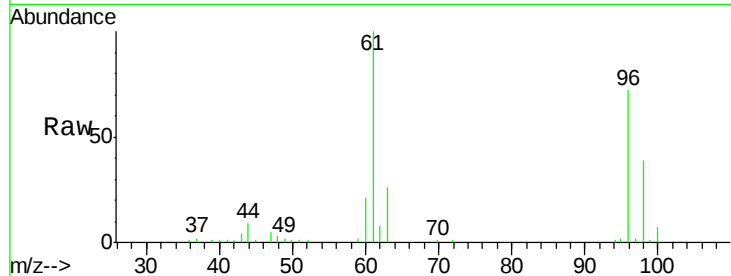
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	138.9	115.4	108812	173.0	
98	54.2	49.7		74.5	

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#28

Bromochloromethane

Concen: 8.80 ug/l

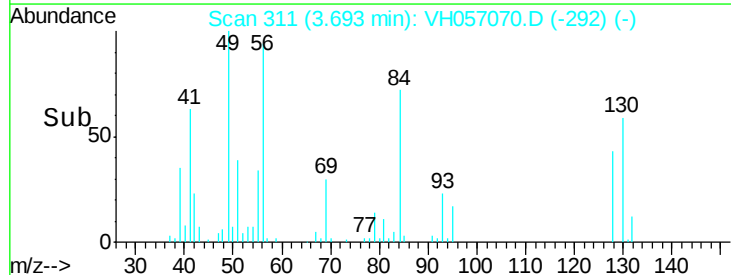
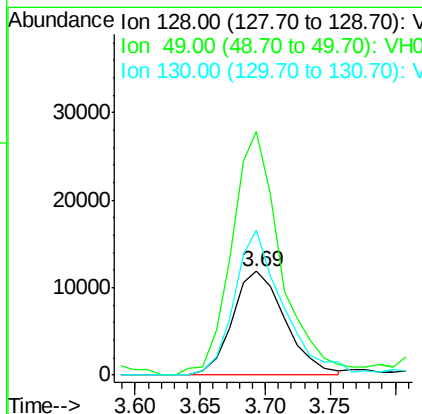
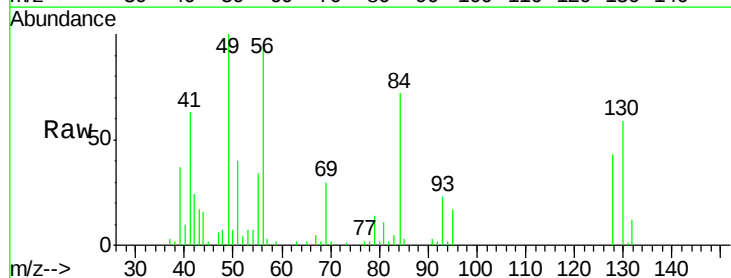
RT: 3.69 min Scan# 311

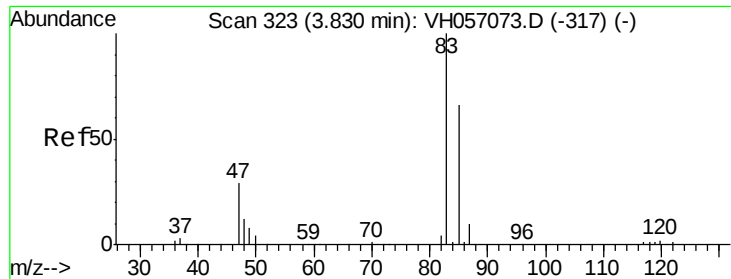
Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
49	234.6	0.0	33566	441.4	
130	139.3	100.7		151.1	





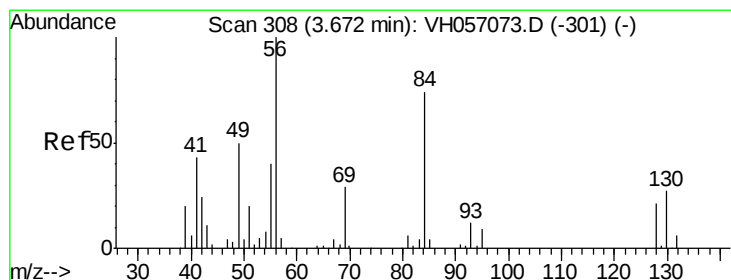
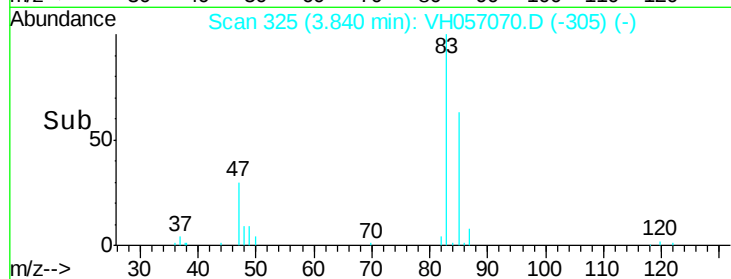
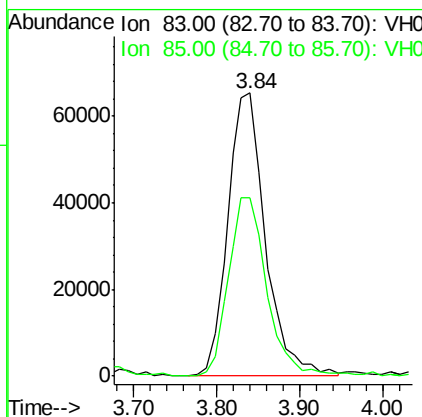
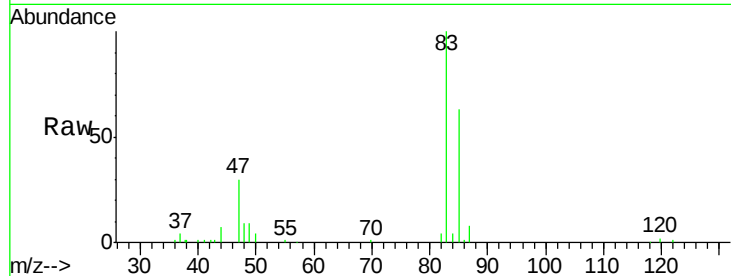
#29
Chloroform
Concen: 11.21 ug/l
RT: 3.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	207126
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	54.3	81.5

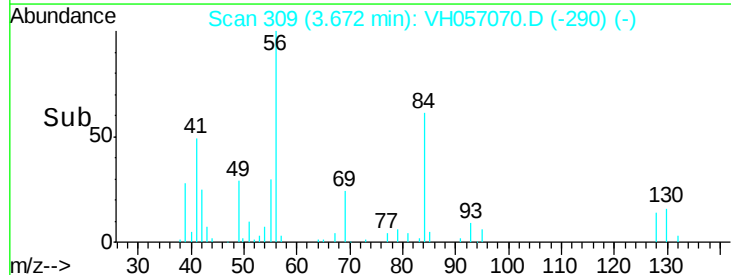
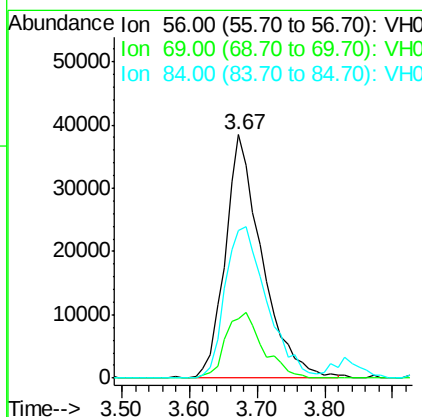
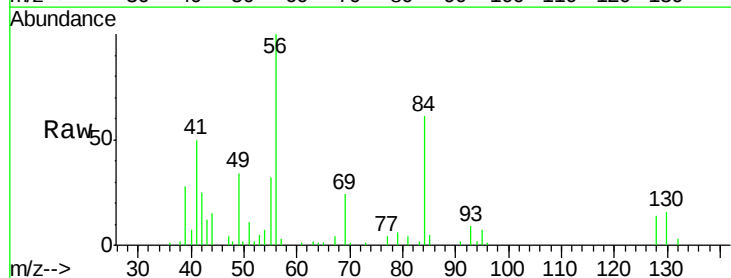
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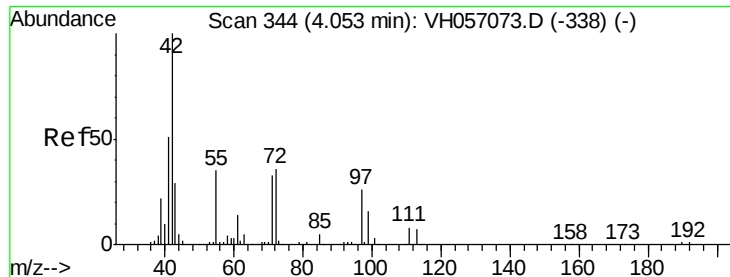
MMDadoda
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#30
Cyclohexane
Concen: 10.83 ug/l
RT: 3.67 min Scan# 309
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	56	Resp	145728
Ion Ratio	100	Lower	Upper
56	100		
69	24.4	18.1	33.7
84	60.8	0.0	136.8





#31

Tetrahydrofuran

Concen: 47.83 ug/l

RT: 4.05 min Scan# 345

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

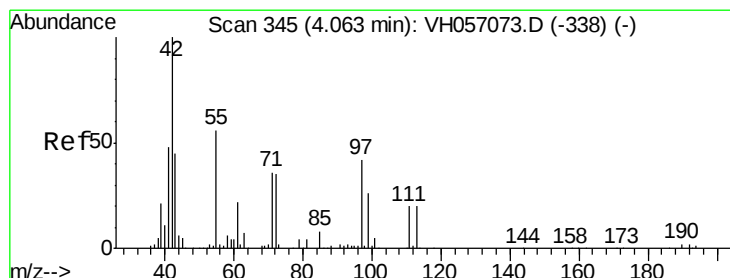
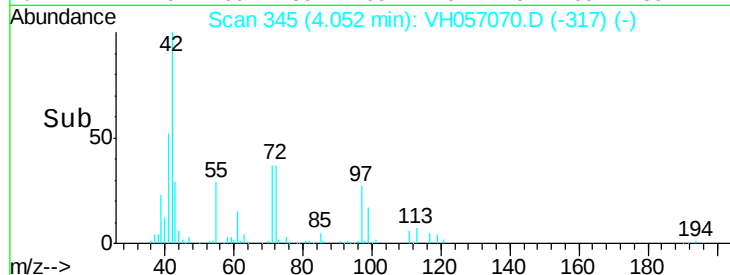
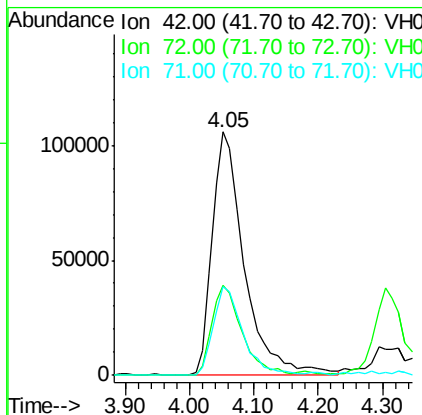
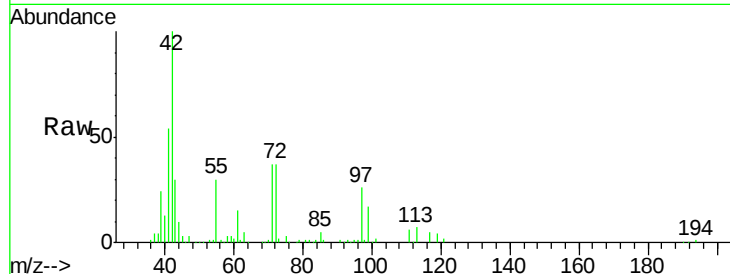
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	362003
Ion	Ratio	Lower	Upper
42	100		
72	34.9	25.5	38.3
71	34.2	25.4	38.0

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#32

1,1,1-Trichloroethane

Concen: 11.61 ug/l

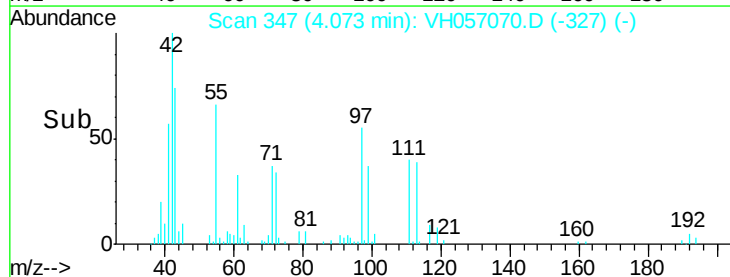
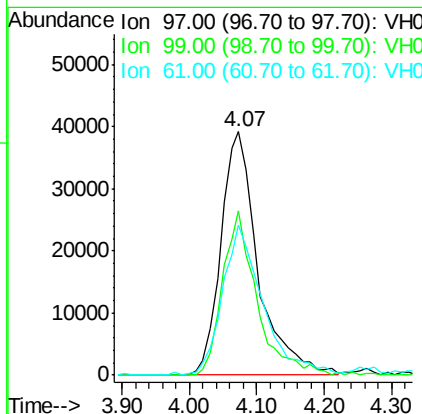
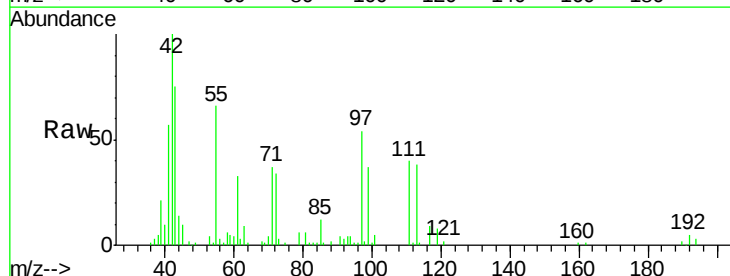
RT: 4.07 min Scan# 347

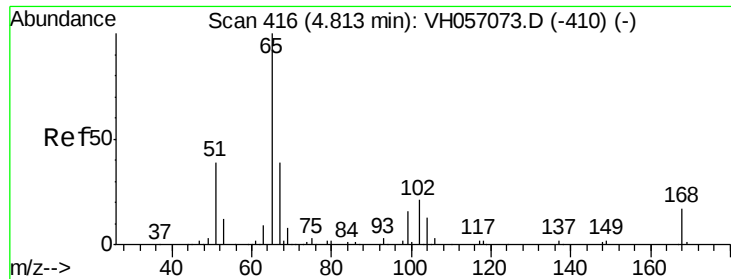
Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion:	97	Resp:	149042
Ion	Ratio	Lower	Upper
97	100		
99	67.4	49.8	74.6
61	61.6	45.0	67.4





#33

1,2-Dichloroethane-d4

Concen: 11.01 ug/l

RT: 4.81 min Scan# 417

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 125712

Ion Ratio Lower Upper

65 100

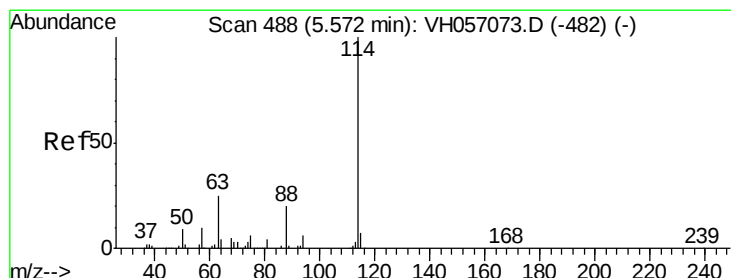
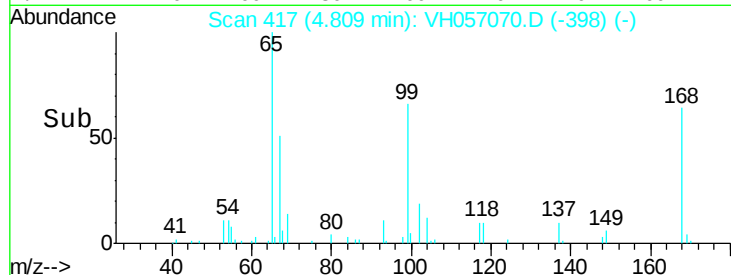
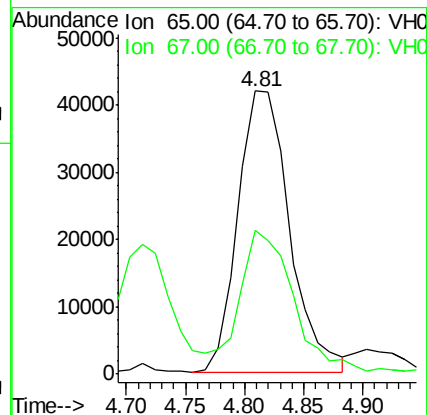
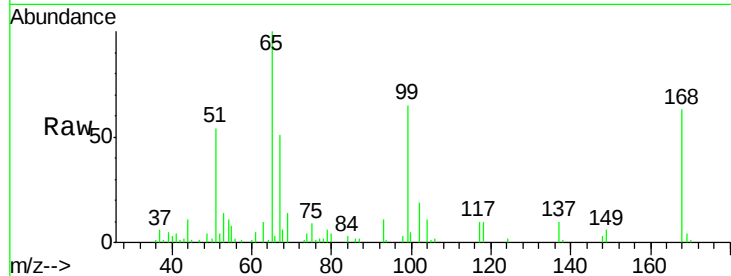
67 51.0 43.2 64.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.58 min Scan# 490

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

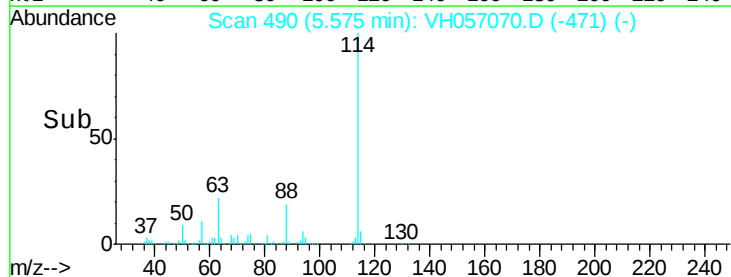
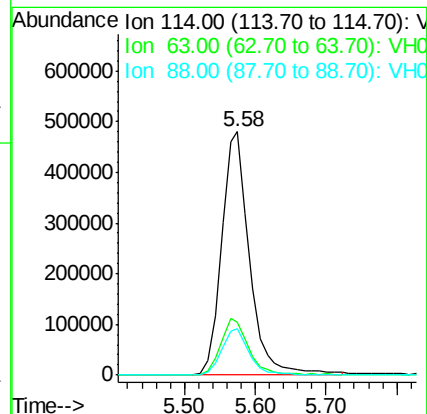
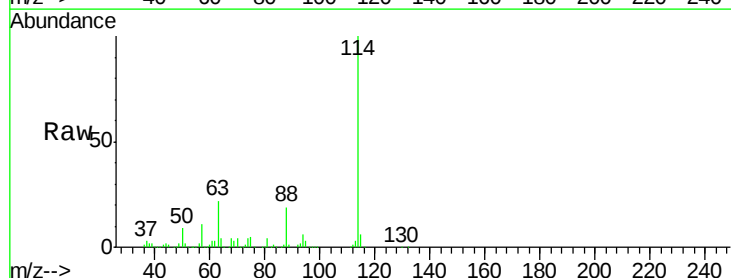
Tgt Ion: 114 Resp: 1324589

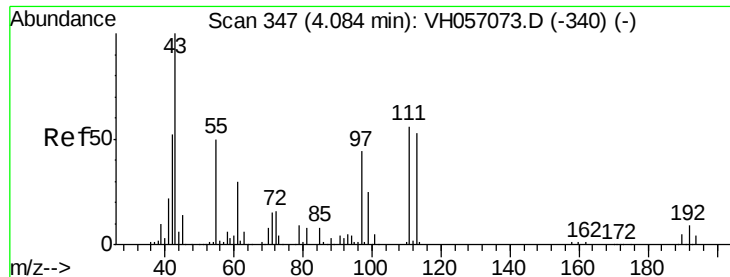
Ion Ratio Lower Upper

114 100

63 21.6 19.0 28.4

88 19.0 15.7 23.5





#35

Dibromofluoromethane

Concen: 10.63 ug/l

RT: 4.08 min Scan# 348

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

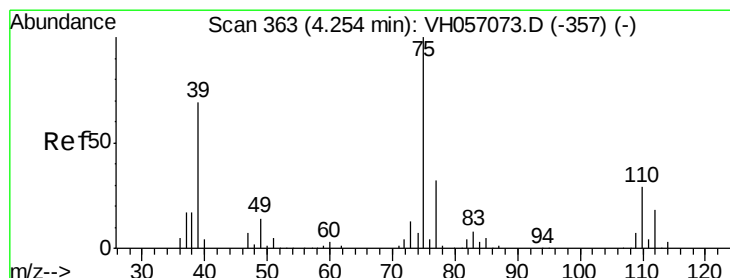
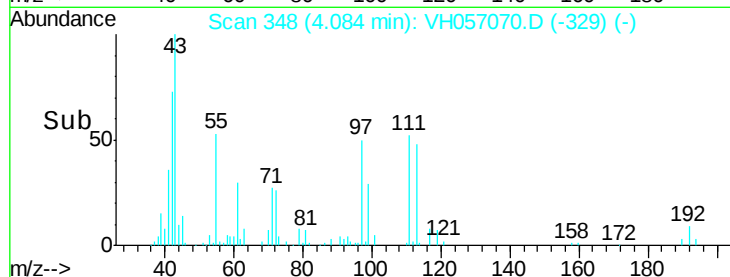
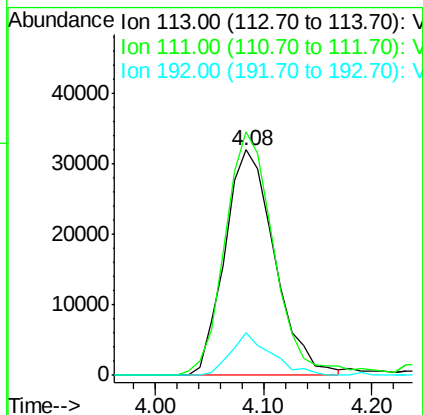
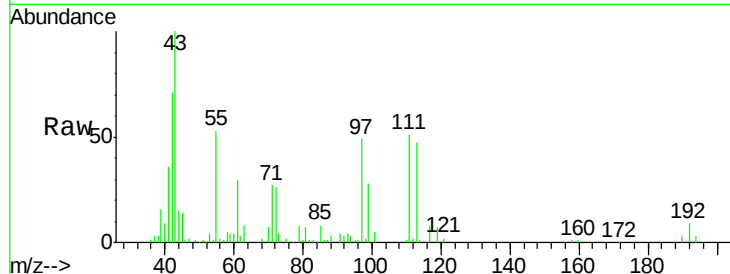
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	101915
Ion Ratio	Lower	Upper	
113	100		
111	107.9	84.0	126.0
192	19.0	13.6	20.4

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#36

1,1-Dichloropropene

Concen: 11.68 ug/l

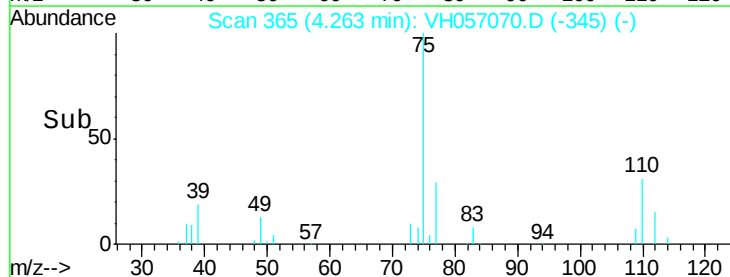
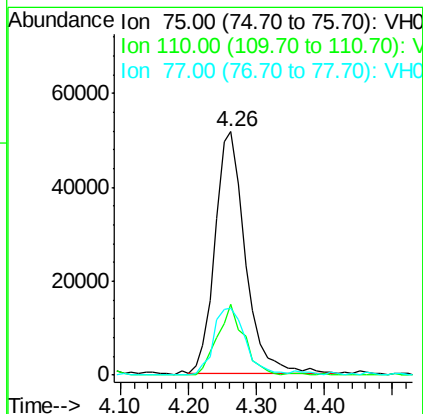
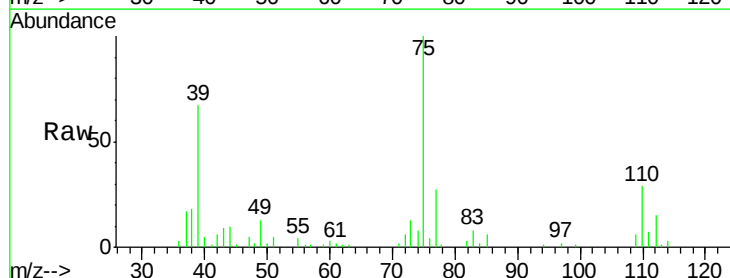
RT: 4.26 min Scan# 365

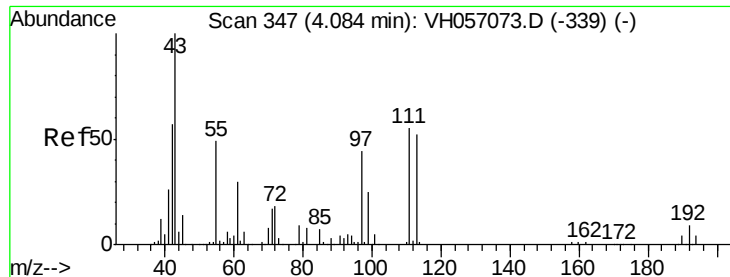
Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion:	75	Resp:	158636
Ion Ratio	Lower	Upper	
75	100		
110	29.0	13.7	41.1
77	27.5	24.0	36.0





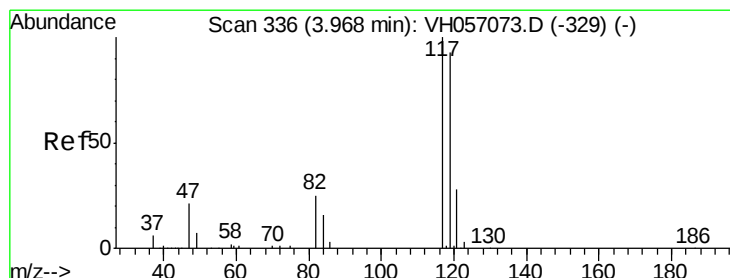
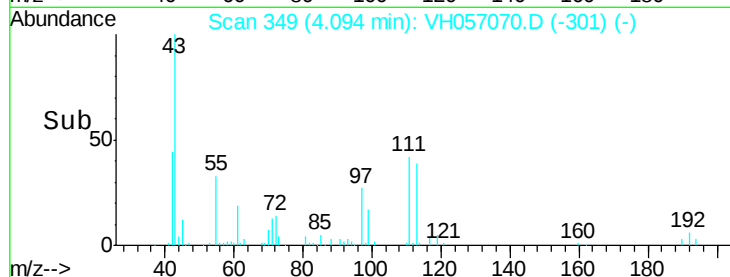
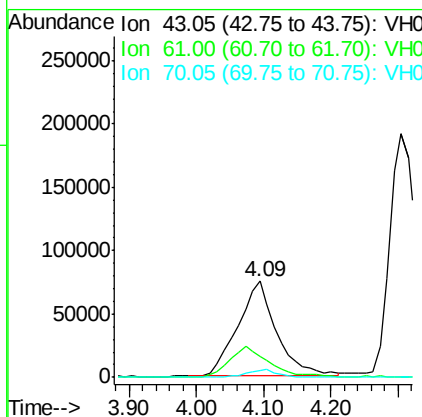
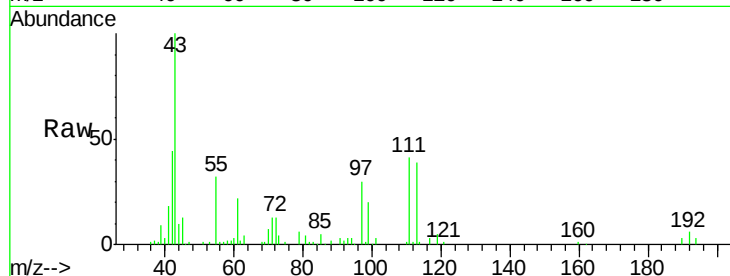
#37
Ethyl acetate
Concen: 10.61 ug/l
RT: 4.09 min Scan# 349
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.9	35.9#
70	6.5	5.4	8.0

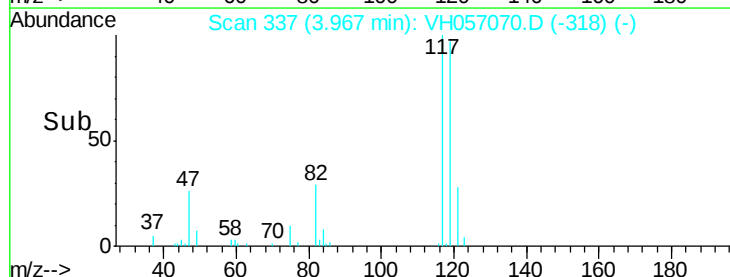
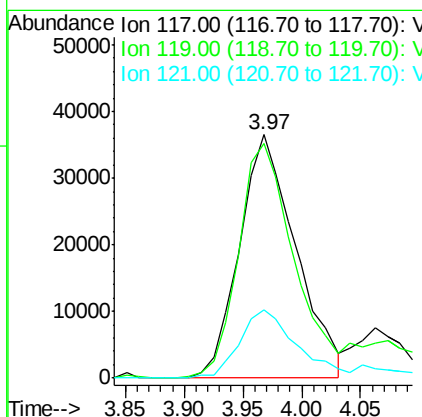
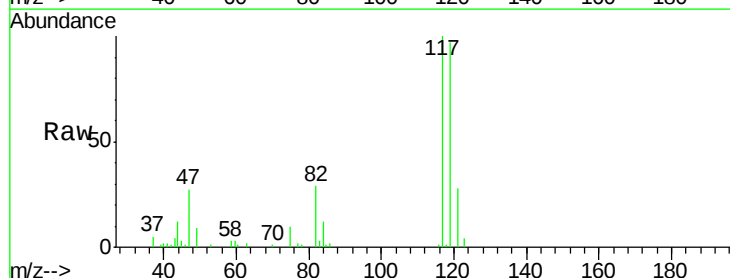
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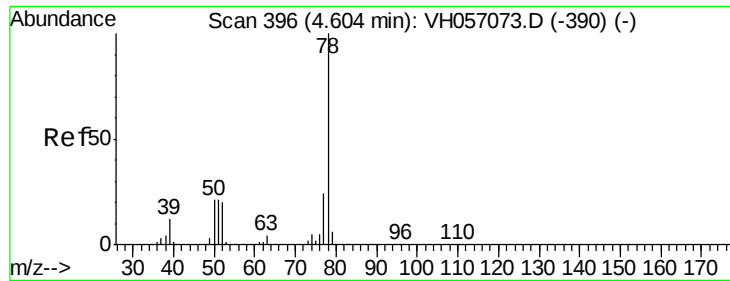
MMDadoda
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#38
Carbon Tetrachloride
Concen: 11.37 ug/l
RT: 3.97 min Scan# 337
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.7	118.1
121	28.0	25.9	38.9





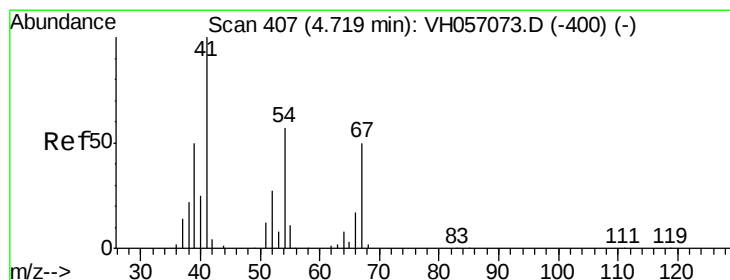
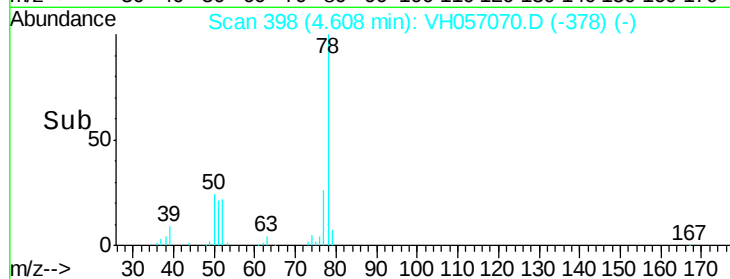
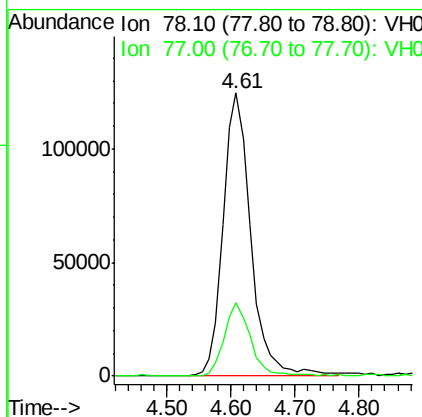
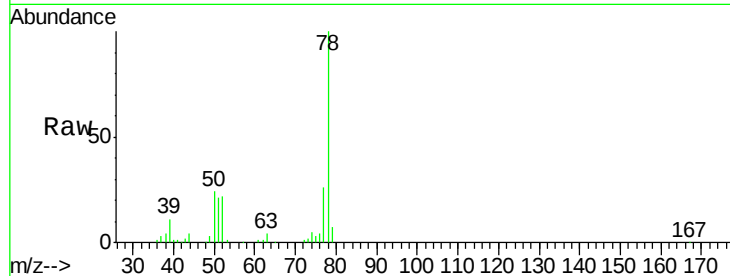
#39
Benzene
Concen: 10.96 ug/l
RT: 4.61 min Scan# 398
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampled :
VSTDIC010

Tot Ion: 78 Resp: 374163
Ion Ratio Lower Upper
78 100
77 25.8 18.5 27.7

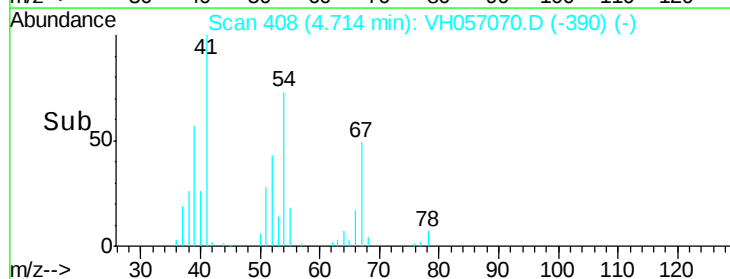
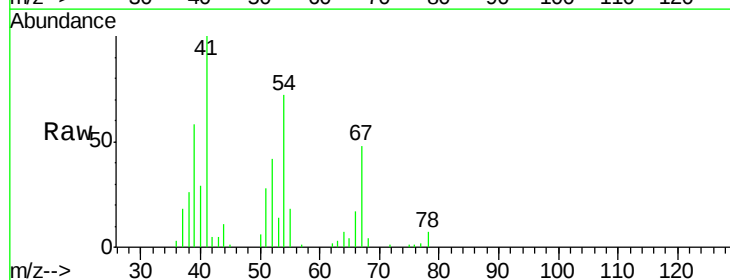
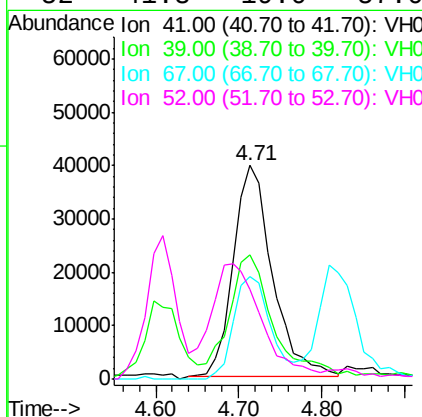
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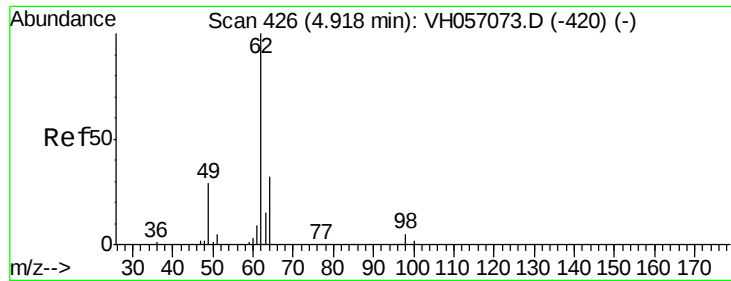
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#40
Methacrylonitrile
Concen: 9.85 ug/l
RT: 4.71 min Scan# 408
Delta R.T. -0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion: 41 Resp: 129840
Ion Ratio Lower Upper
41 100
39 58.3 25.1 75.2
67 47.9 22.5 67.5
52 41.8 19.0 57.0





#41

1,2-Dichloroethane

Concen: 11.01 ug/l

RT: 4.91 min Scan# 427

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 62 Resp: 161091

Ion Ratio Lower Upper

62 100

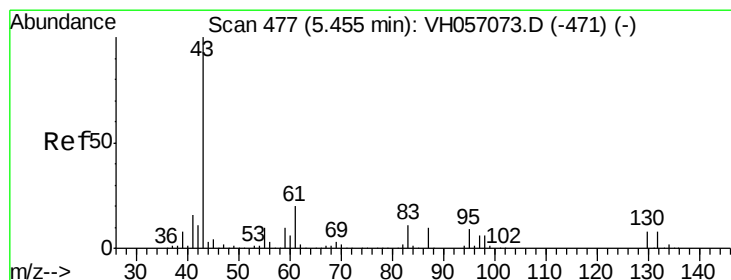
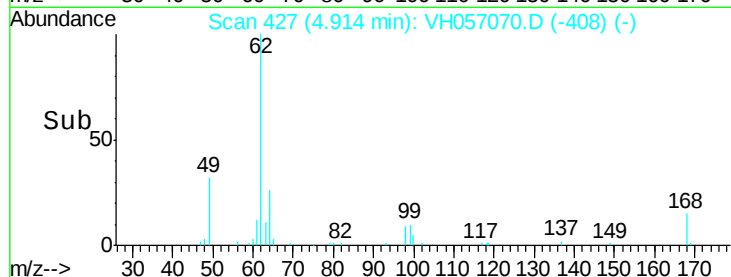
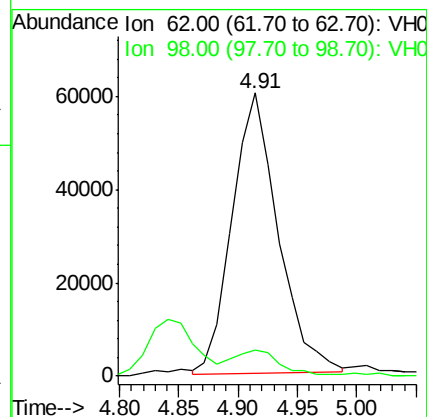
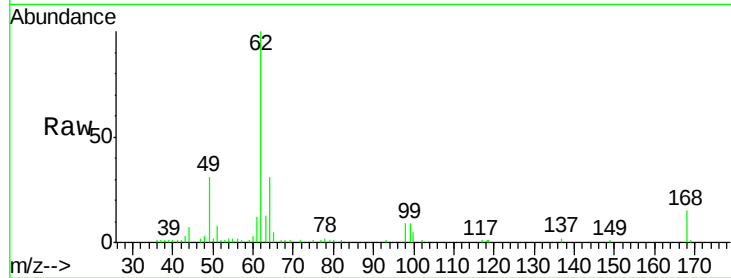
98 9.2 7.3 10.9

Manual Integrations

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#42

Isopropyl Acetate

Concen: 10.91 ug/l

RT: 5.46 min Scan# 479

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

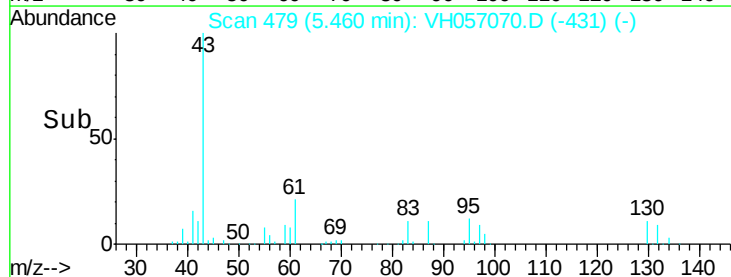
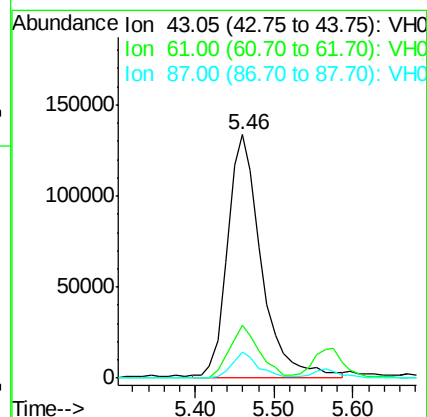
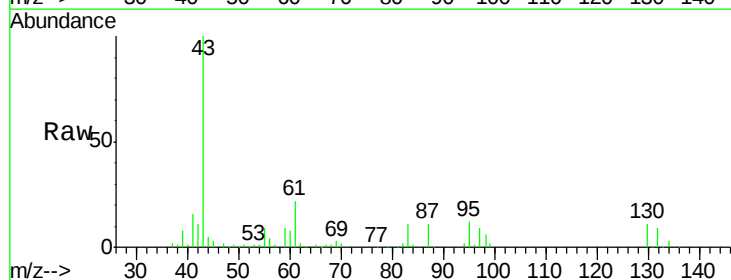
Tgt Ion: 43 Resp: 400660

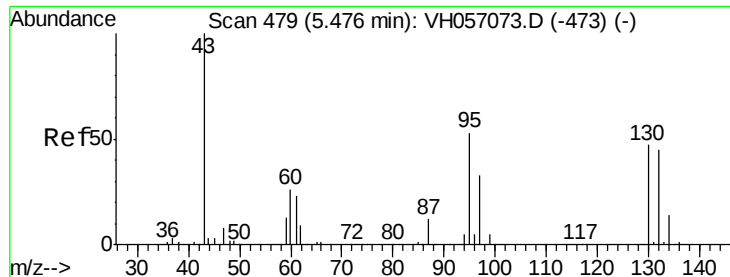
Ion Ratio Lower Upper

43 100

61 21.5 15.8 23.6

87 10.7 7.0 10.6#





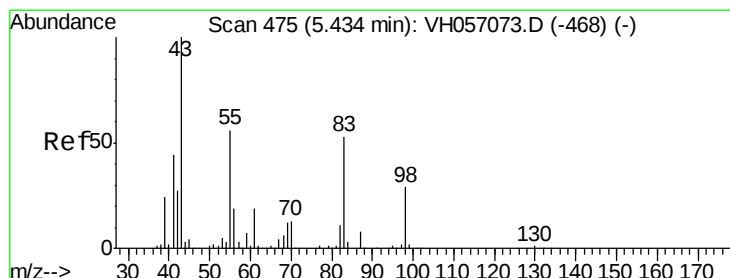
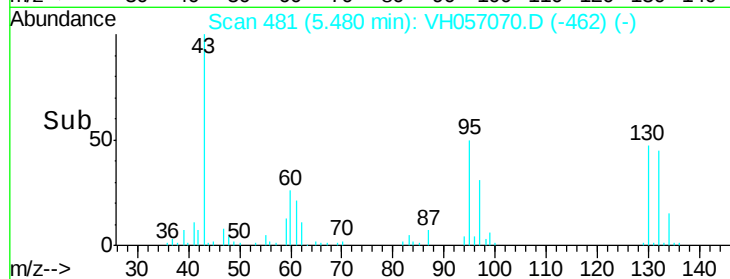
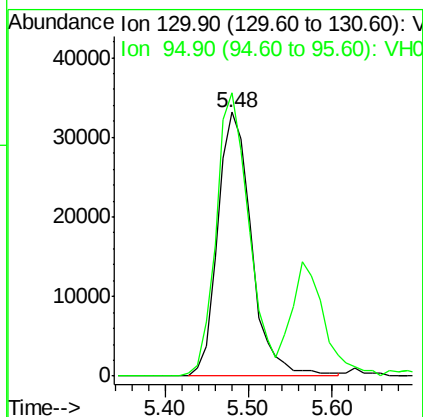
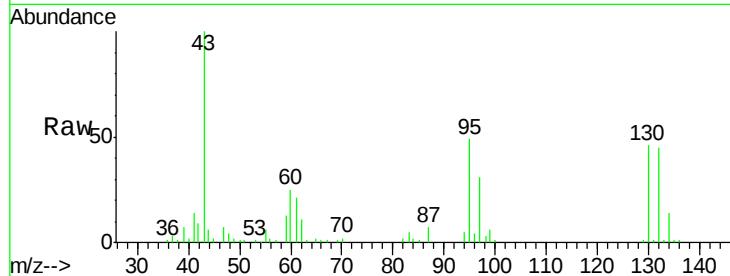
#43
 Trichloroethene
 Concen: 11.05 ug/l
 RT: 5.48 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC010

Tot Ion:130 Resp: 93800
 Ion Ratio Lower Upper
 130 100
 95 107.3 84.0 126.0

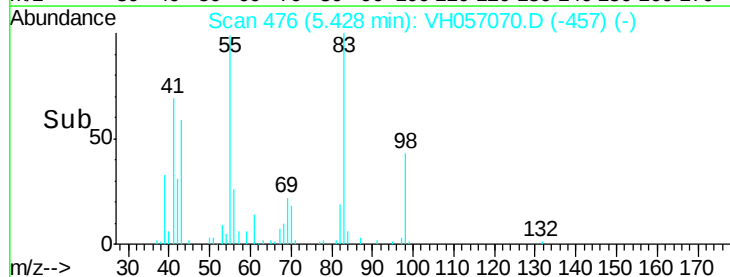
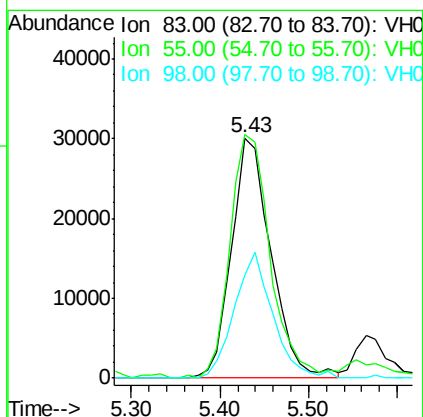
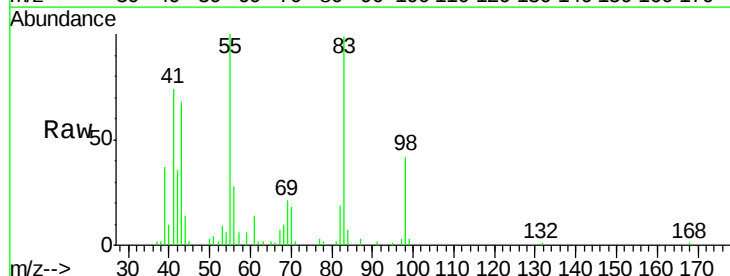
Manual Integrations
 APPROVED

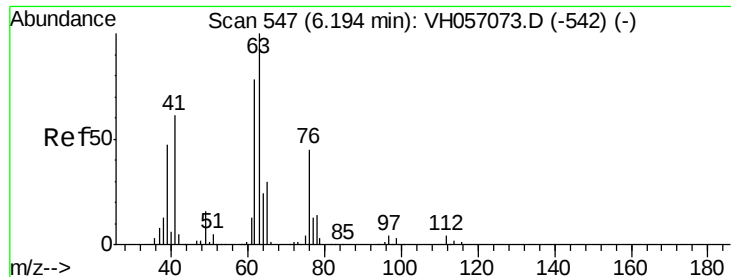
MMDadoda
 9/18/2015 3:12:25 PM



#44
 Methylcyclohexane
 Concen: 11.15 ug/l
 RT: 5.43 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Tgt Ion: 83 Resp: 93739
 Ion Ratio Lower Upper
 83 100
 55 101.4 0.0 207.2
 98 43.0 0.0 108.4





#45

1,2-Dichloropropane

Concen: 10.63 ug/l

RT: 6.21 min Scan# 550

Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 116715

Ion Ratio Lower Upper

63 100

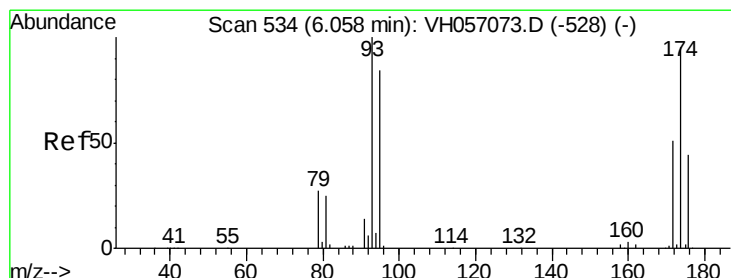
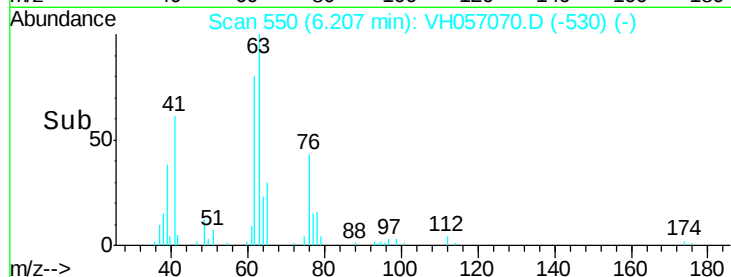
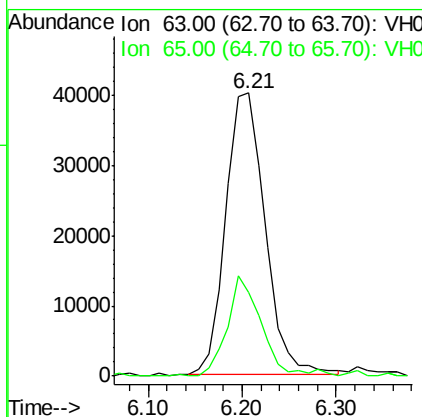
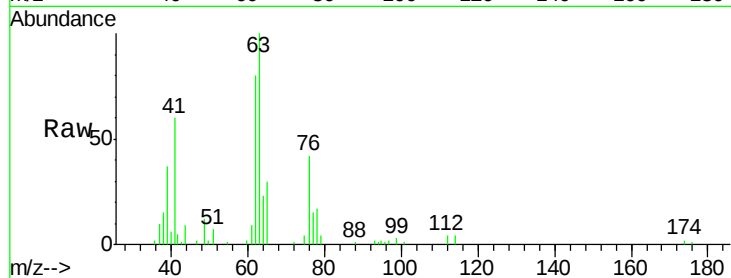
65 29.7 23.8 35.8

Manual Integrations

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#46

Dibromomethane

Concen: 10.75 ug/l

RT: 6.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

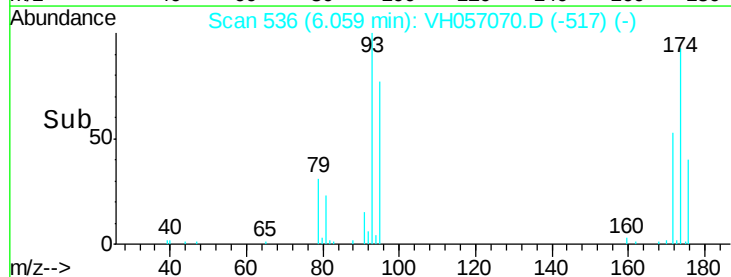
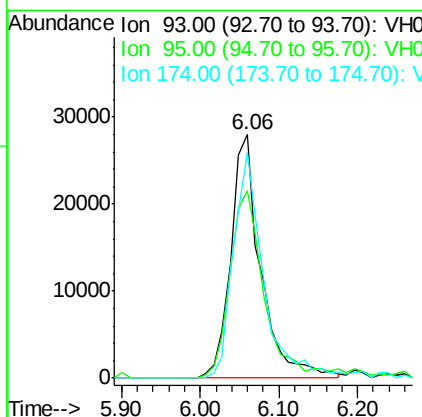
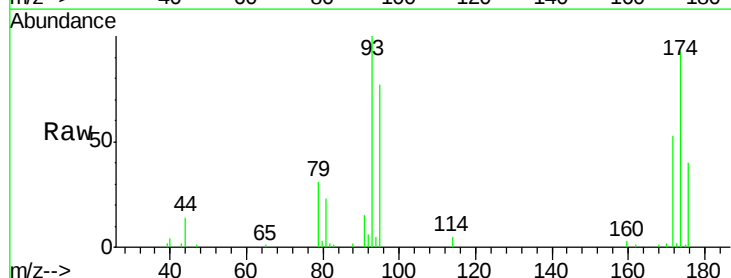
Tgt Ion: 93 Resp: 74122

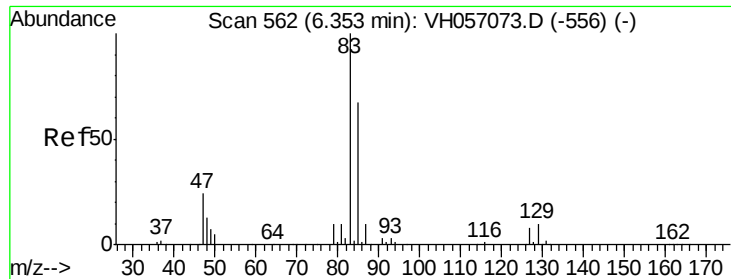
Ion Ratio Lower Upper

93 100

95 77.0 69.5 104.3

174 92.7 75.8 113.6





#47

Bromodichloromethane

Concen: 11.15 ug/l

RT: 6.35 min Scan# 564

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

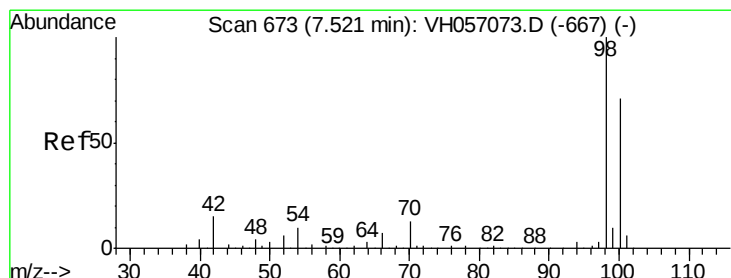
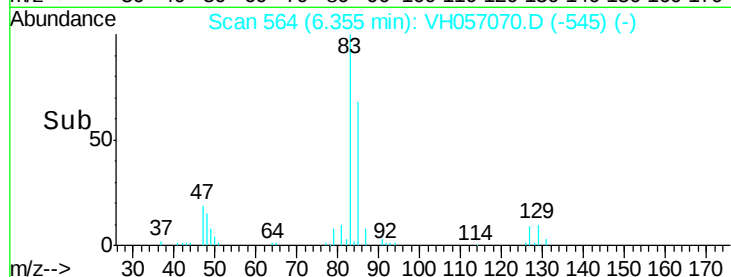
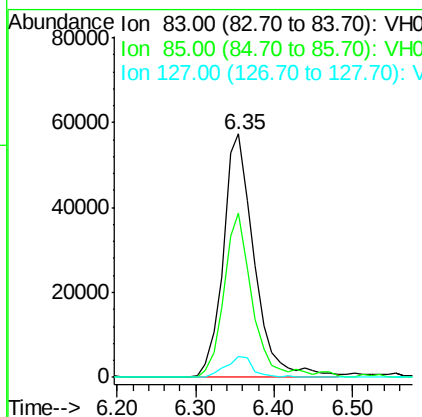
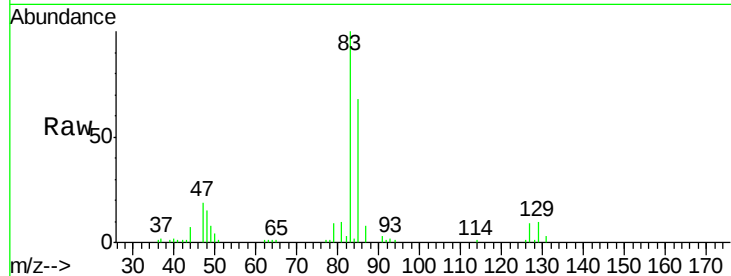
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	157001
Ion Ratio	Lower	Upper	
83	100		
85	67.6	52.6	78.8
127	8.6	6.8	10.2

Manual Integrations
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#48

Toluene-d8

Concen: 11.36 ug/l

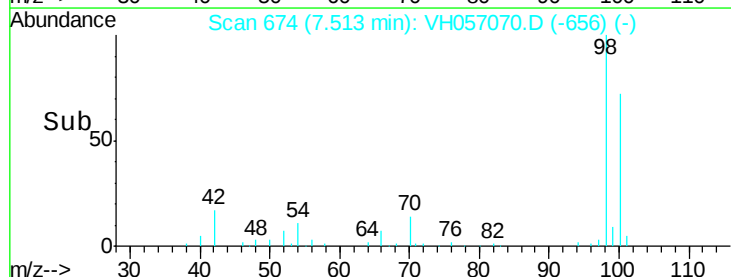
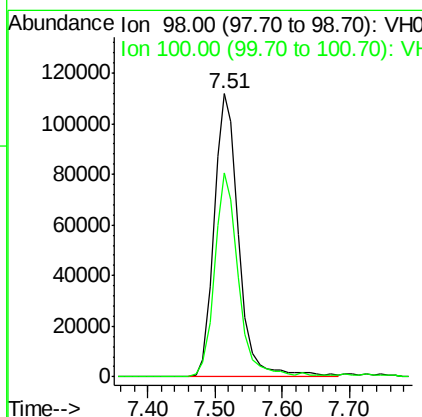
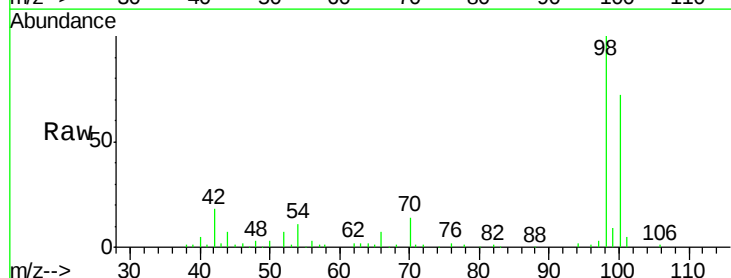
RT: 7.51 min Scan# 674

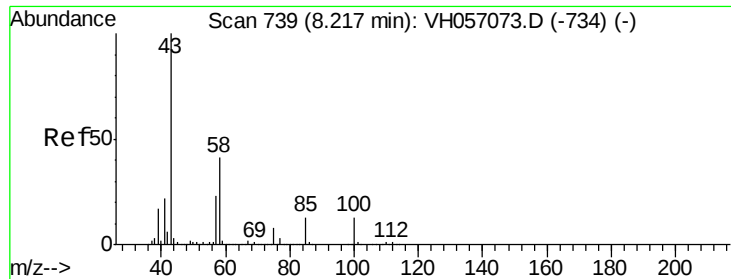
Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion:	98	Resp:	289052
Ion Ratio	Lower	Upper	
98	100		
100	72.0	56.7	85.1





#49

4-Methyl-2-Pentanone

Concen: 53.08 ug/l

RT: 8.21 min Scan# 740

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 1195002

Ion Ratio Lower Upper

43 100

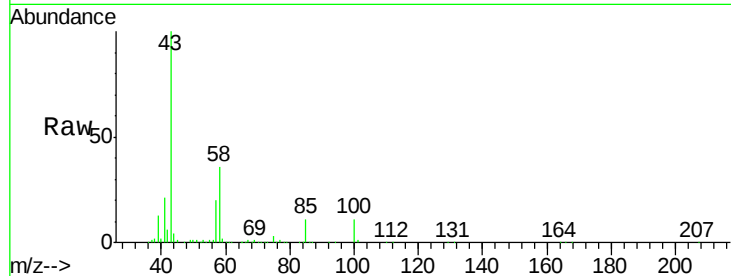
58 36.4 20.0 60.0

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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0

8.21

400000

300000

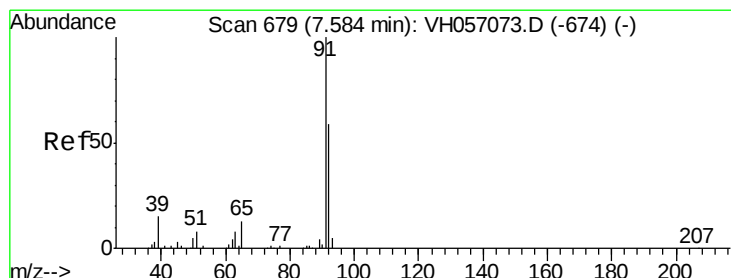
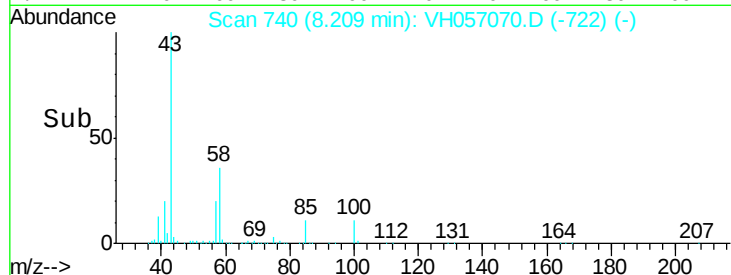
200000

100000

0

8.10 8.20 8.30 8.40

Time-->



#50

Toluene

Concen: 10.94 ug/l

RT: 7.59 min Scan# 681

Delta R.T. 0.00 min

Lab File: VH057070.D

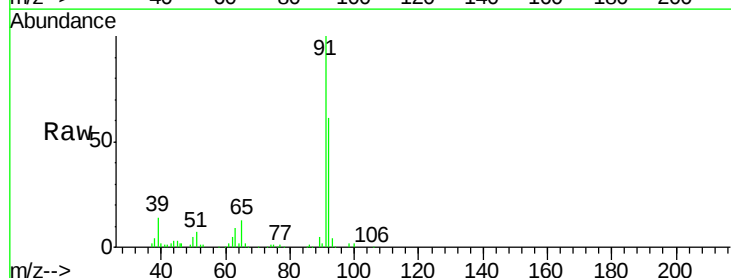
Acq: 17 Sep 2015 17:13

Tgt Ion: 92 Resp: 238775

Ion Ratio Lower Upper

92 100

91 164.7 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH0

Ion 91.00 (90.70 to 91.70): VH0

7.59

150000

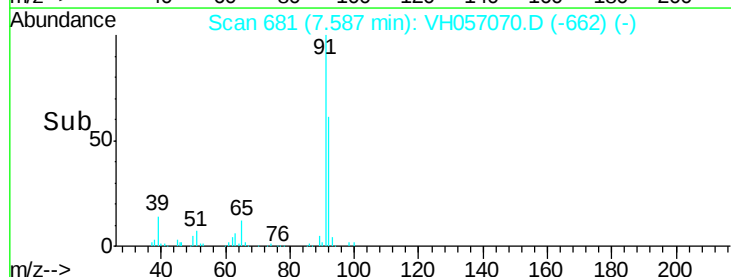
100000

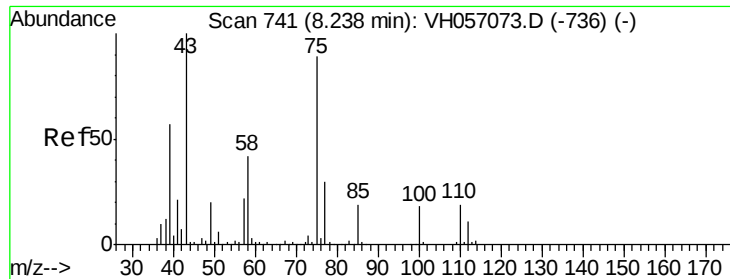
50000

0

7.50 7.60 7.70 7.80

Time-->





#51

t-1,3-Dichloropropene

Concen: 10.61 ug/l

RT: 8.23 min Scan# 742

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tot Ion: 75 Resp: 172100

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

Instrument :

MSVOA_H

ClientSampleId :

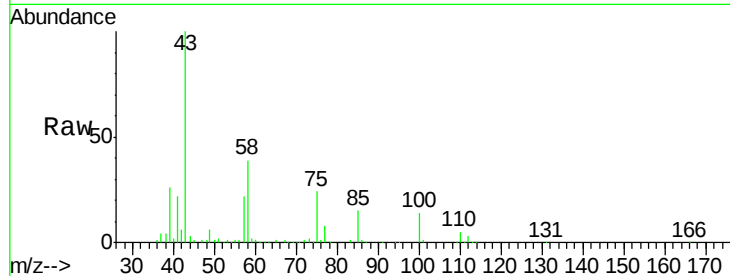
VSTDIC010

Manual Integrations

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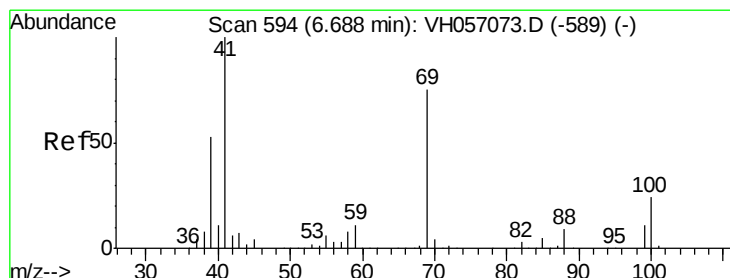
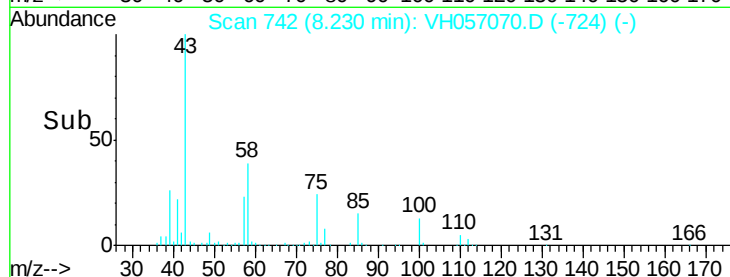
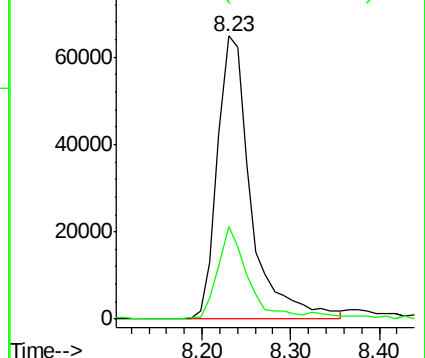
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0



#52

Methyl Methacrylate

Concen: 10.10 ug/l

RT: 6.69 min Scan# 596

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

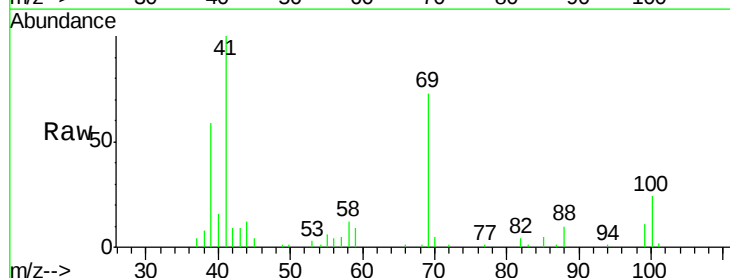
Tgt Ion: 69 Resp: 111762

Ion Ratio Lower Upper

69 100

41 137.4 70.0 209.8

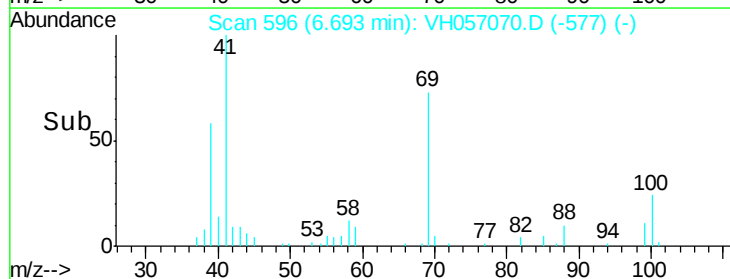
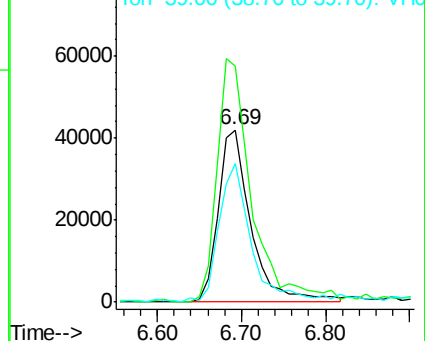
39 80.9 37.5 112.5

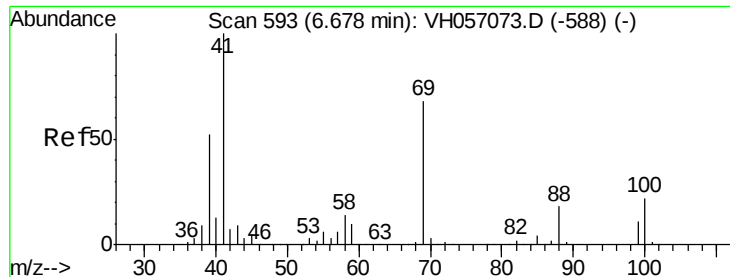


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





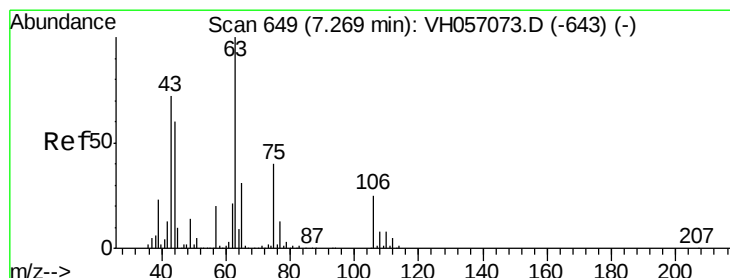
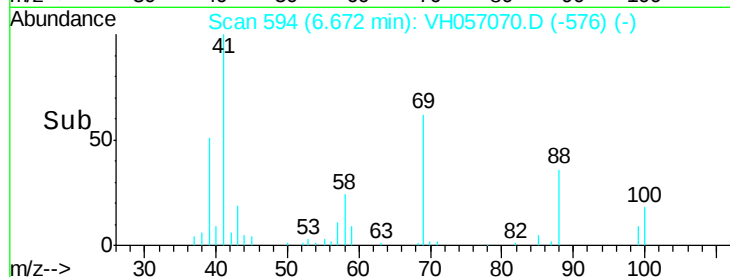
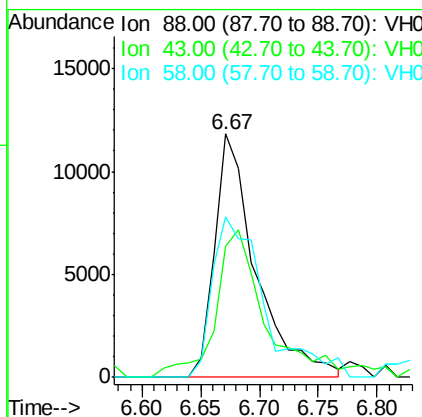
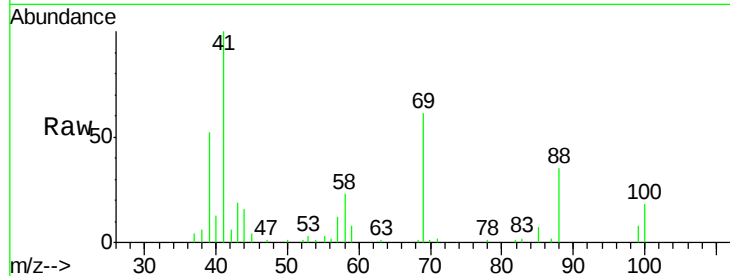
#53
1,4-Dioxane
Concen: 266.11 ug/l
RT: 6.67 min Scan# 594
Delta R.T. -0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
88	100	28909		
43	53.7		39.6	59.4
58	65.8		61.4	92.2

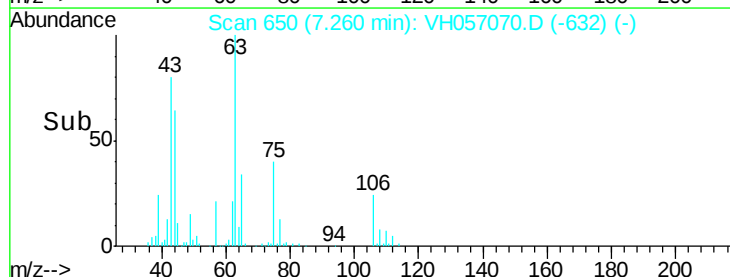
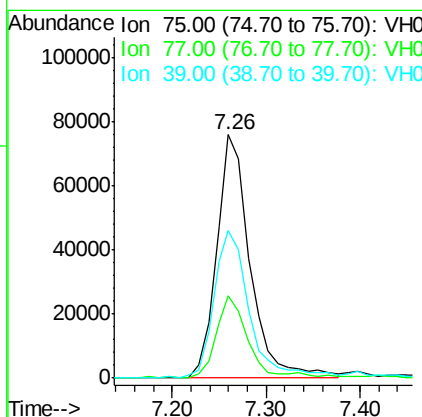
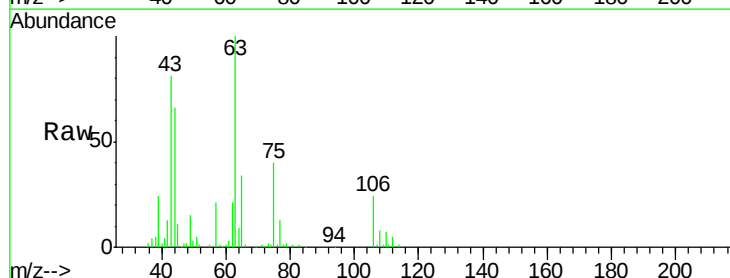
Manual Integrations
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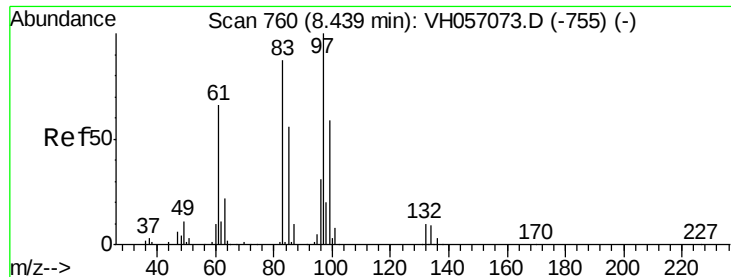
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 10.69 ug/l
RT: 7.26 min Scan# 650
Delta R.T. -0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189069		
77	33.8		25.2	37.8
39	60.5		50.7	76.1





#55

1,1,2-Trichloroethane

Concen: 11.11 ug/l

RT: 8.44 min Scan# 762

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

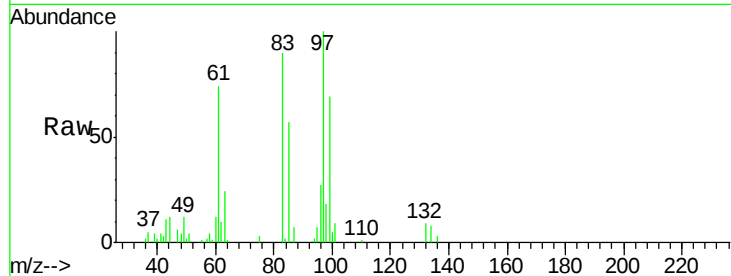
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	98676
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.7	109.1
85	56.6	45.5	68.3
99	68.5	46.2	69.2

Manual Integrations
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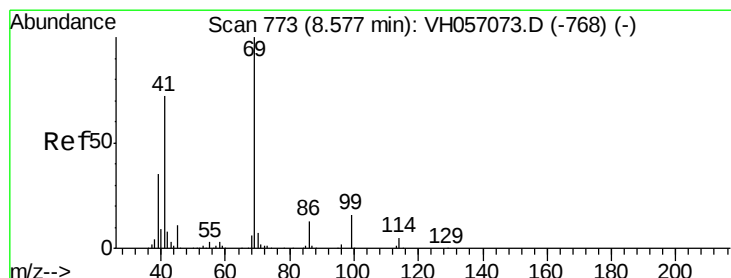
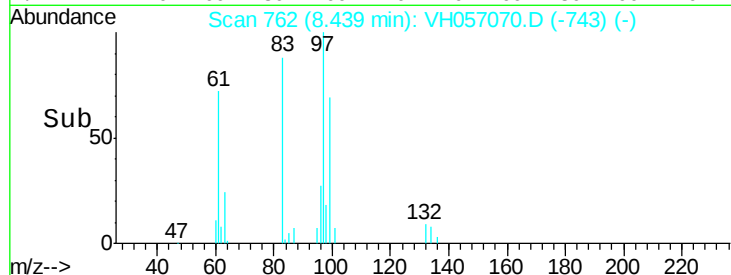
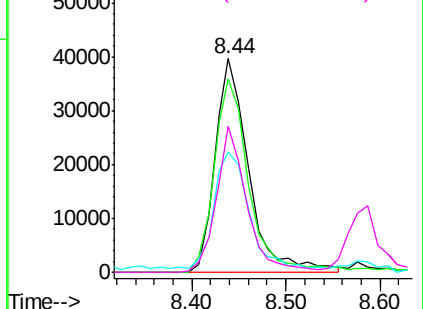


Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 82.95 (82.65 to 83.65): VH0

Ion 84.95 (84.65 to 85.65): VH0

Ion 98.95 (98.65 to 99.65): VH0



#56

Ethyl Methacrylate

Concen: 10.06 ug/l

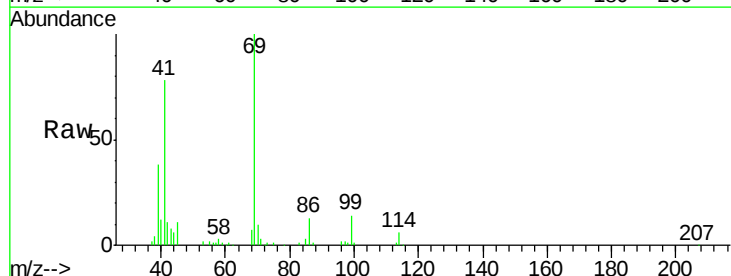
RT: 8.58 min Scan# 775

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

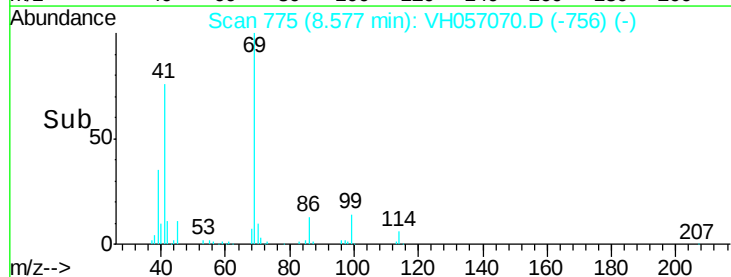
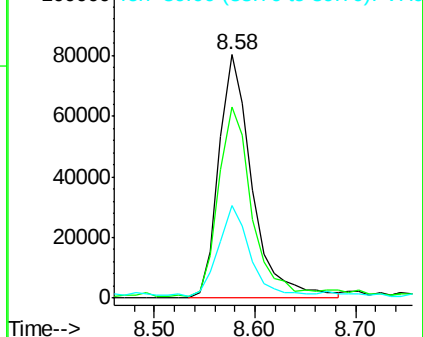
Tgt Ion:	69	Resp:	185400
Ion	Ratio	Lower	Upper
69	100		
41	78.3	39.1	117.3
39	38.2	19.2	57.6

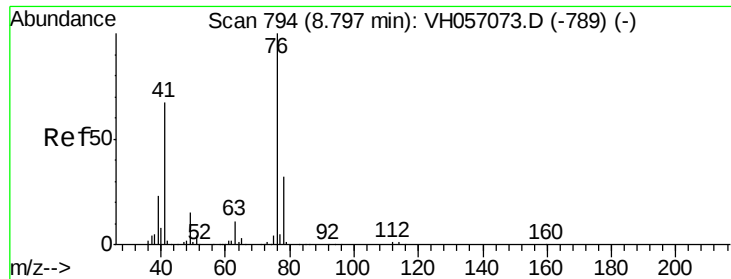


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





#57

1,3-Dichloropropane

Concen: 10.99 ug/l

RT: 8.80 min Scan# 796

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 204907

Ion Ratio Lower Upper

76 100

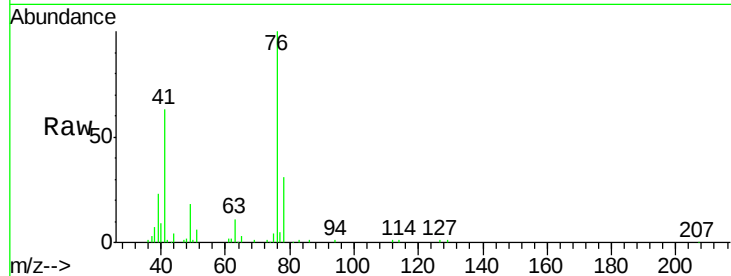
78 31.3 25.7 38.5

Manual Integrations

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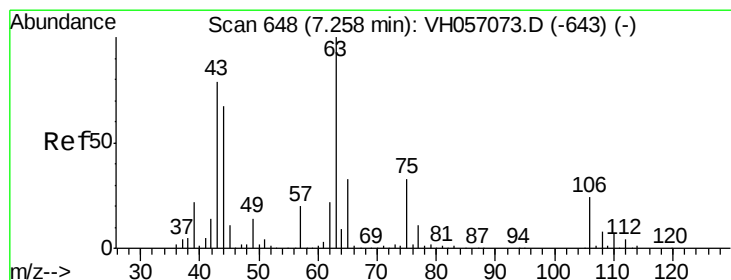
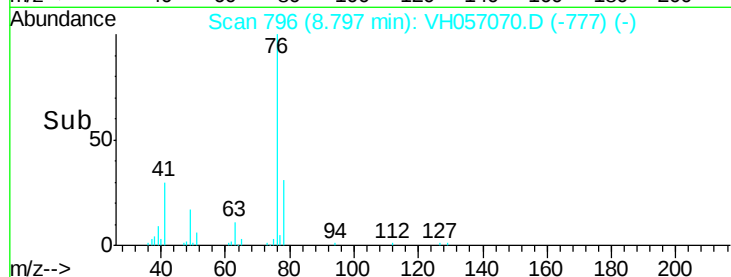
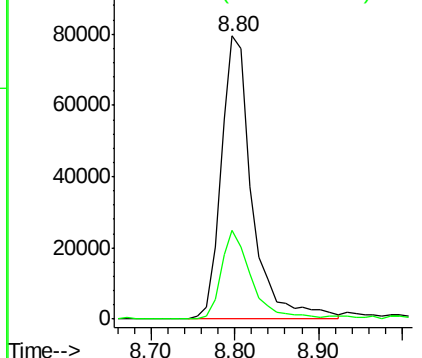
MMDadoda

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Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0



#58

2-Chloroethyl Vinyl ether

Concen: 32.08 ug/l

RT: 7.26 min Scan# 650

Delta R.T. 0.00 min

Lab File: VH057070.D

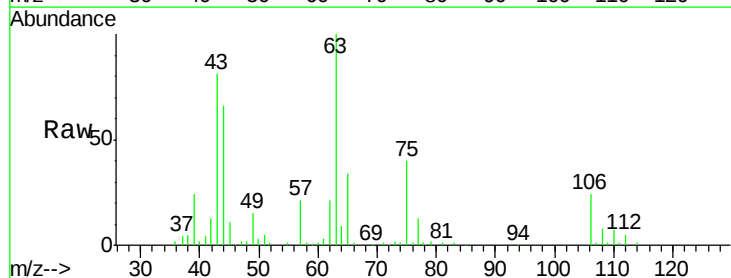
Acq: 17 Sep 2015 17:13

Tgt Ion: 63 Resp: 507620

Ion Ratio Lower Upper

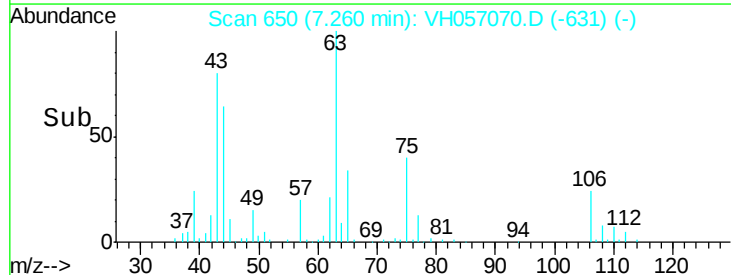
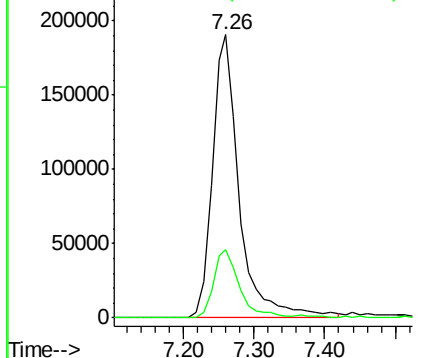
63 100

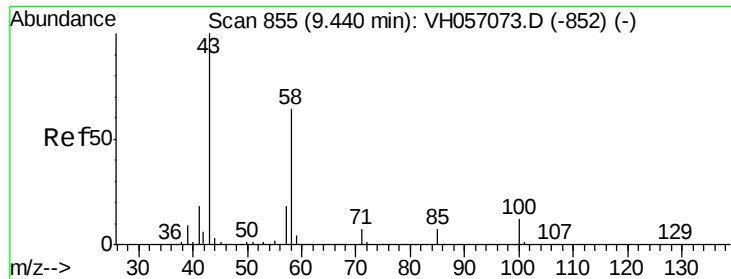
106 24.1 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 106.00 (105.70 to 106.70): V





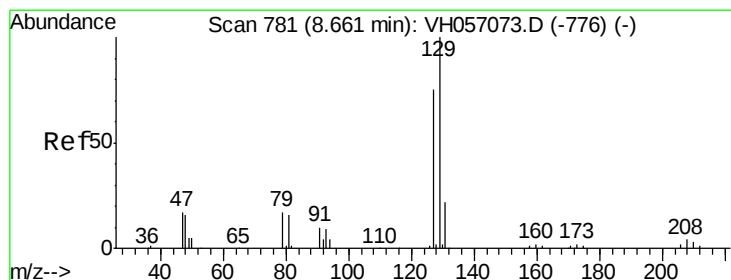
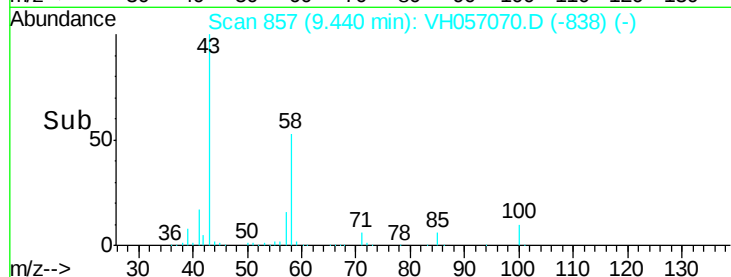
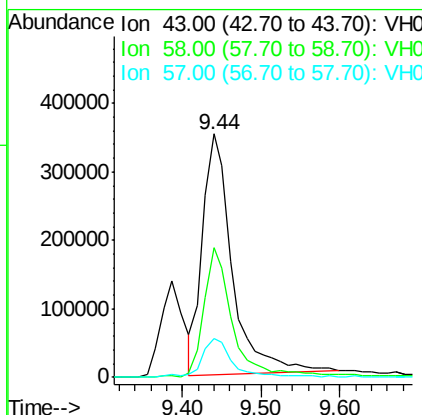
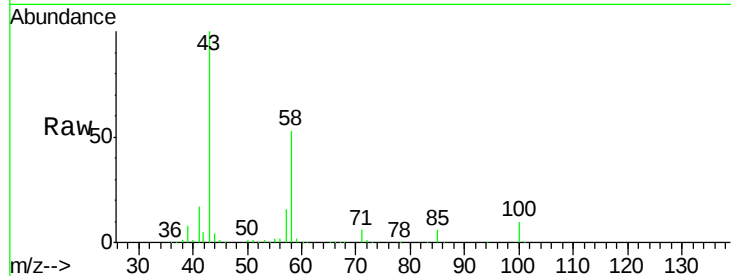
#59
2-Hexanone
Concen: 55.87 ug/l
RT: 9.44 min Scan# 857
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.1	81.2
57	16.1	8.1	24.3

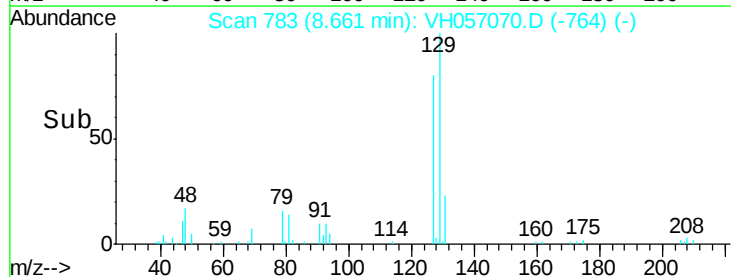
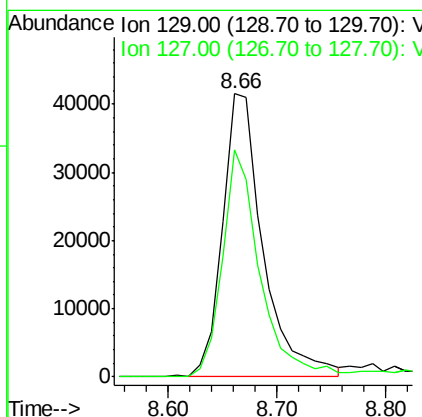
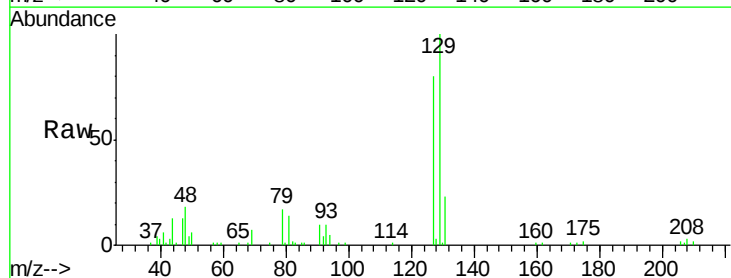
Manual Integrations
APPROVED

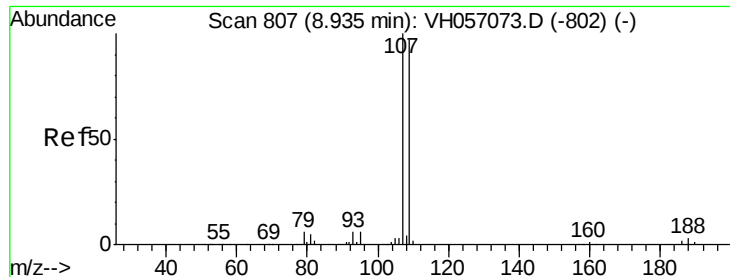
MMDadoda
9/18/2015 3:12:25 PM



#60
Dibromochloromethane
Concen: 10.66 ug/l
RT: 8.66 min Scan# 783
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.2	38.5	115.3





#61

1,2-Dibromoethane

Concen: 10.41 ug/l

RT: 8.93 min Scan# 809

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 108334

Ion Ratio Lower Upper

107 100

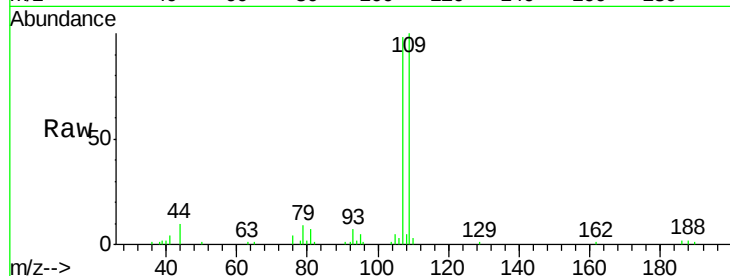
109 101.6 77.7 116.5

Manual Integrations

APPROVED

MMDadoda

9/18/2015 3:12:25 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.93

40000

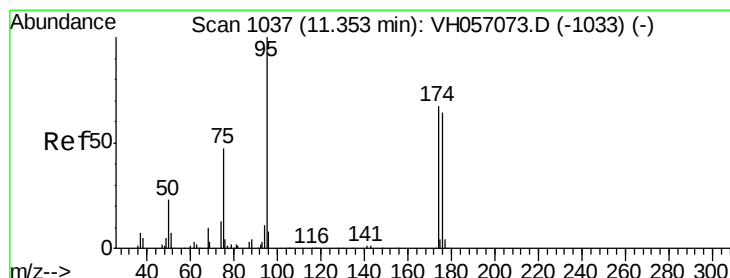
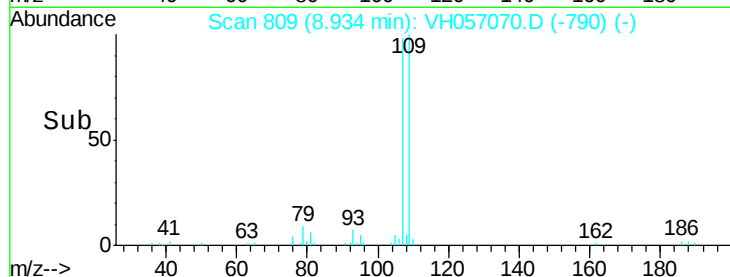
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 9.72 ug/l

RT: 11.36 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

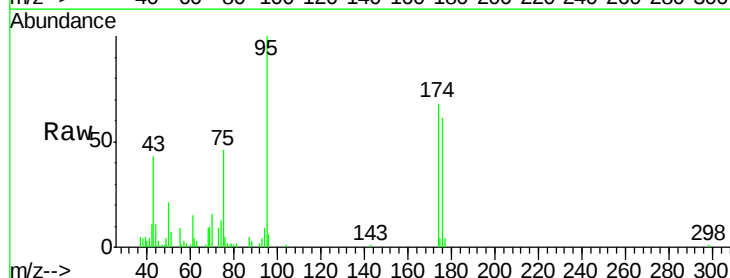
Tgt Ion: 95 Resp: 90158

Ion Ratio Lower Upper

95 100

174 68.2 58.4 87.6

176 60.9 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.36

60000

50000

40000

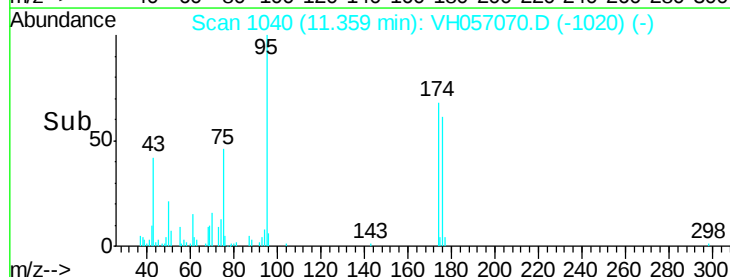
30000

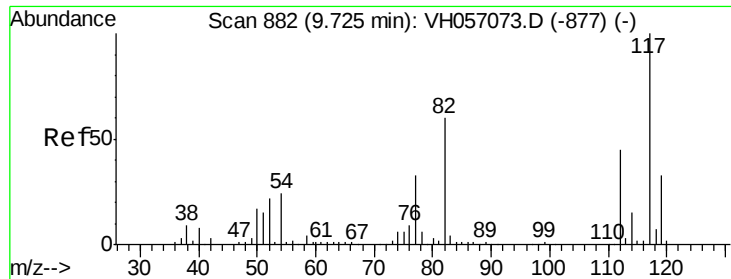
20000

10000

0

Time--> 11.30 11.40





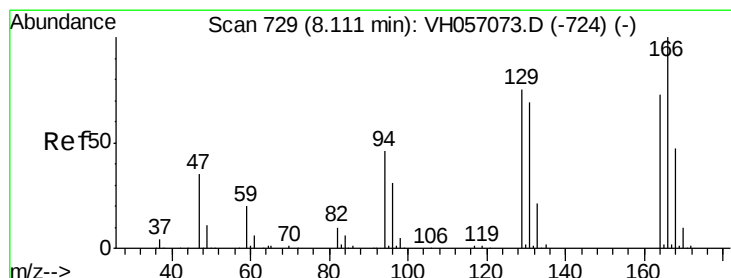
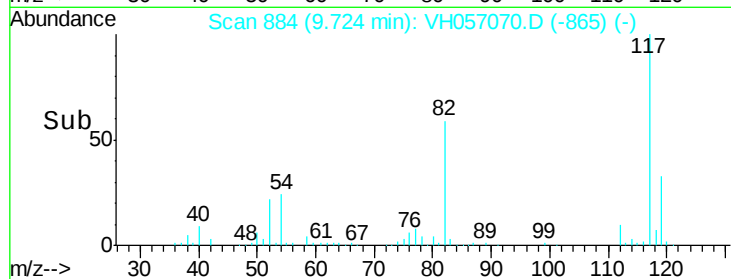
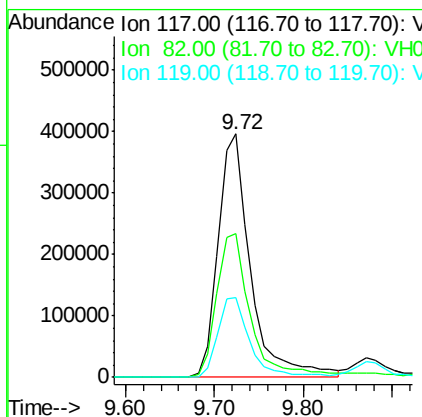
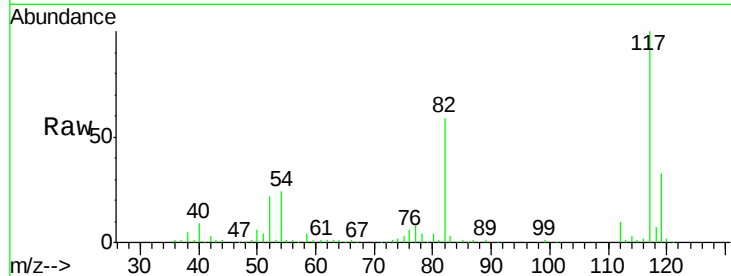
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 884
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	51.0	76.6
119	32.7	26.7	40.1

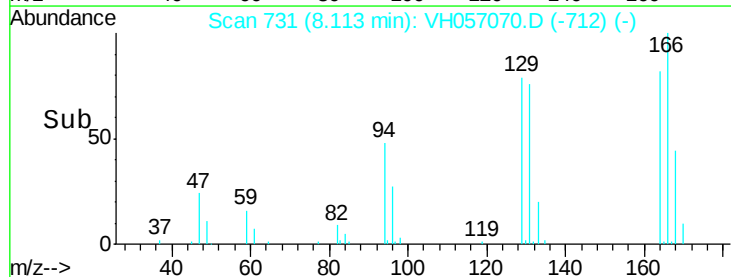
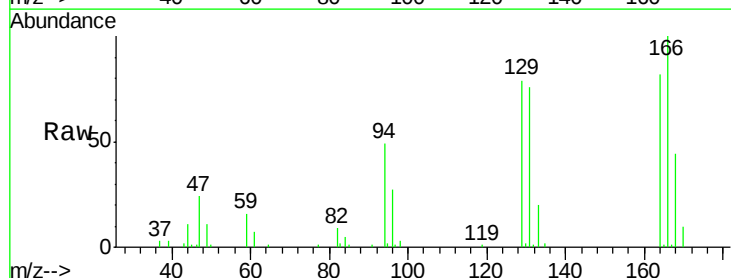
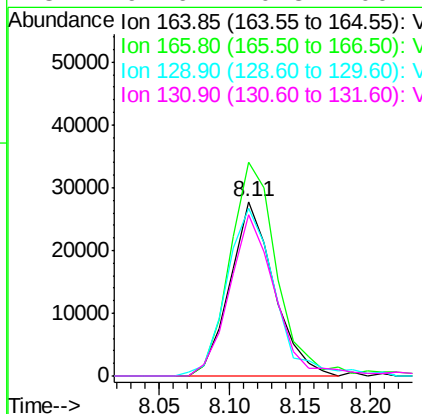
Manual Integrations
APPROVED

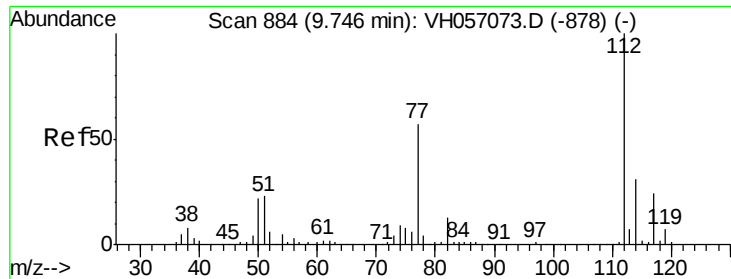
MMDadoda
9/18/2015 3:12:25 PM



#64
Tetrachloroethene
Concen: 10.68 ug/l
RT: 8.11 min Scan# 731
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.2	154.8
129	96.5	73.4	110.0
131	92.6	70.8	106.2





#65

Chlorobenzene

Concen: 11.17 ug/l

RT: 9.75 min Scan# 886

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 233186

Ion Ratio Lower Upper

112 100

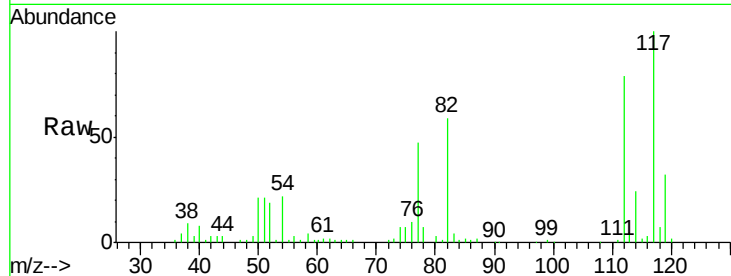
114 30.8 26.3 39.5

Manual Integrations

APPROVED

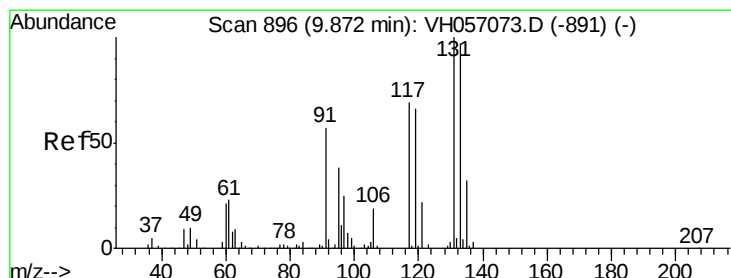
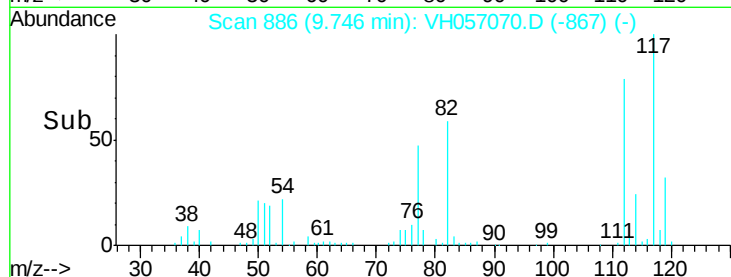
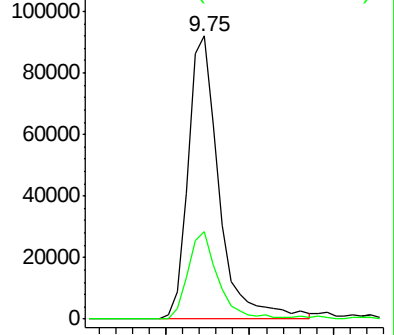
MMDadoda

9/18/2015 3:12:25 PM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.51 ug/l

RT: 9.87 min Scan# 898

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

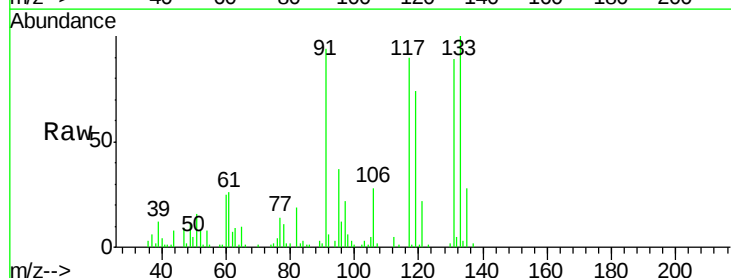
Tgt Ion:131 Resp: 77034

Ion Ratio Lower Upper

131 100

133 112.1 51.1 153.3

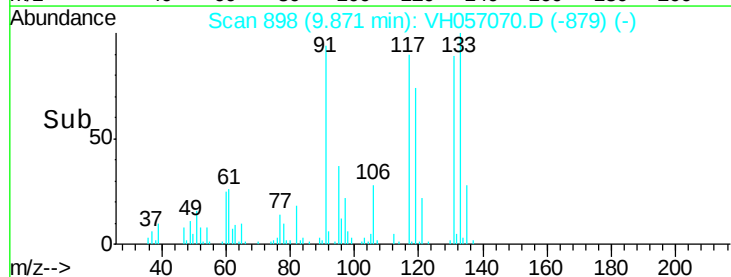
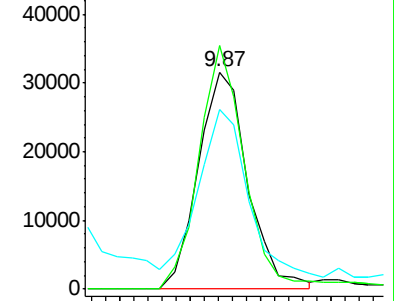
119 82.6 36.3 108.9

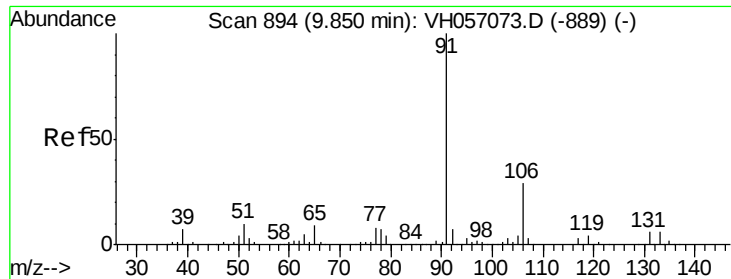


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 10.27 ug/l

RT: 9.85 min Scan# 896

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion:106 Resp: 107479

Ion Ratio Lower Upper

106 100

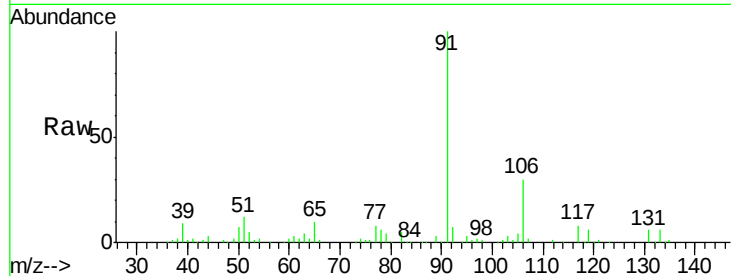
91 335.3 264.9 397.3

Manual Integrations

APPROVED

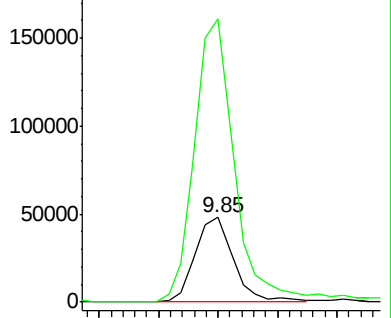
MMDadoda

9/18/2015 3:12:25 PM

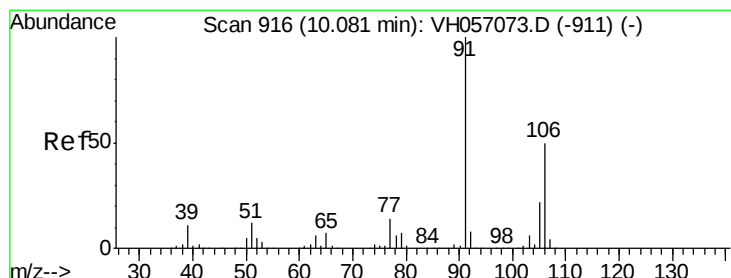
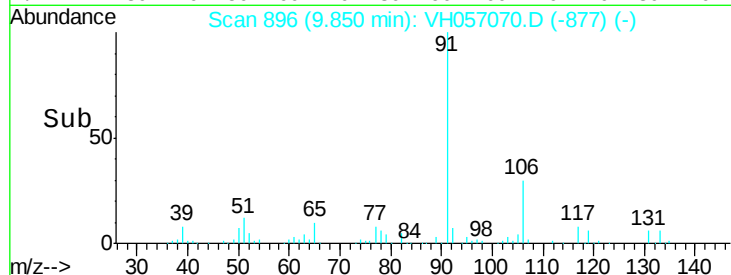


Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0



Time-->



#68

m/p-Xylenes

Concen: 20.80 ug/l

RT: 10.08 min Scan# 918

Delta R.T. -0.00 min

Lab File: VH057070.D

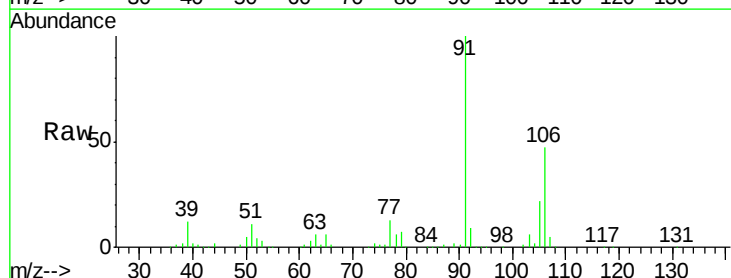
Acq: 17 Sep 2015 17:13

Tgt Ion:106 Resp: 261482

Ion Ratio Lower Upper

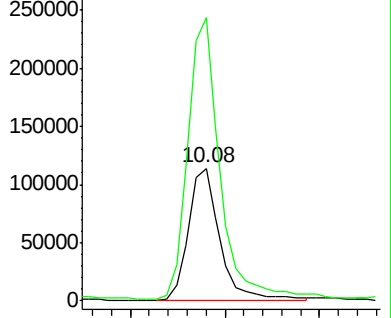
106 100

91 213.6 164.4 246.6

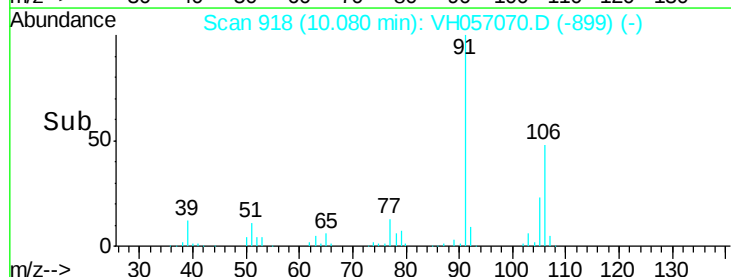


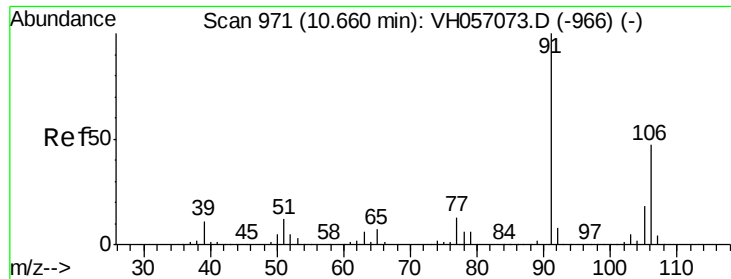
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0



Time-->





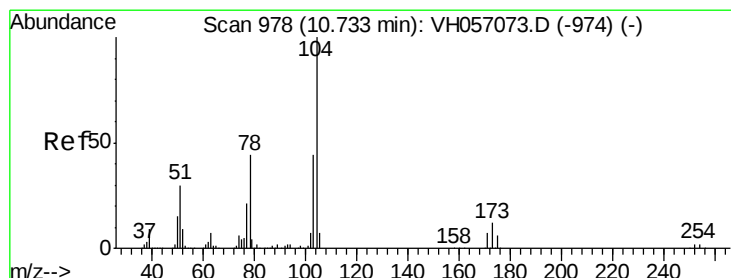
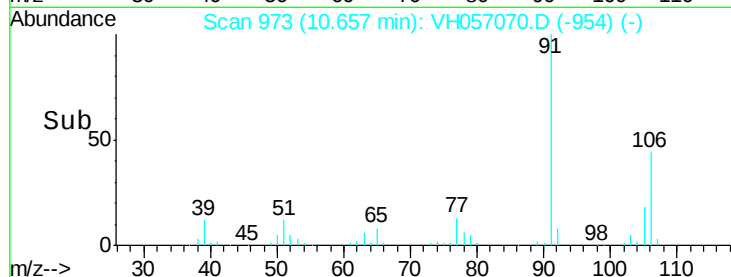
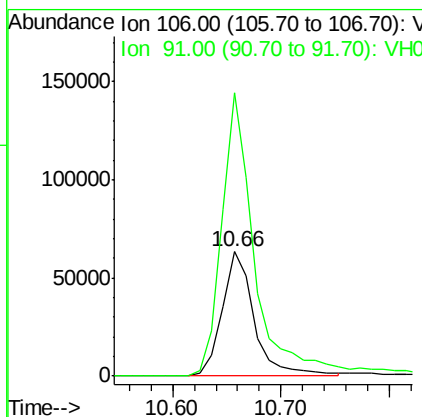
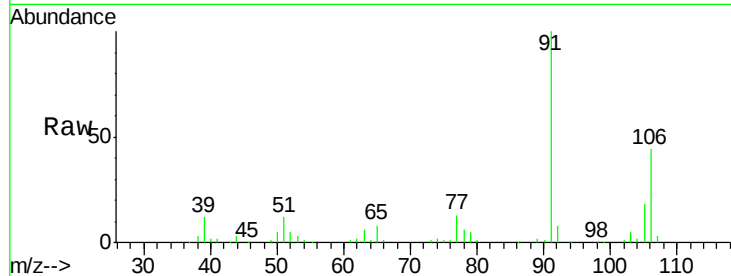
#69
o-Xylene
Concen: 10.79 ug/l
RT: 10.66 min Scan# 973
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 130945
Ion Ratio Lower Upper
106 100
91 227.5 104.2 312.6

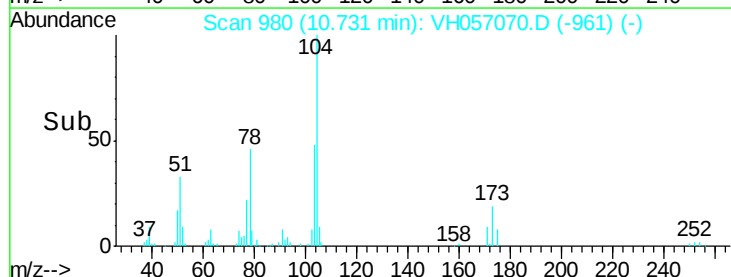
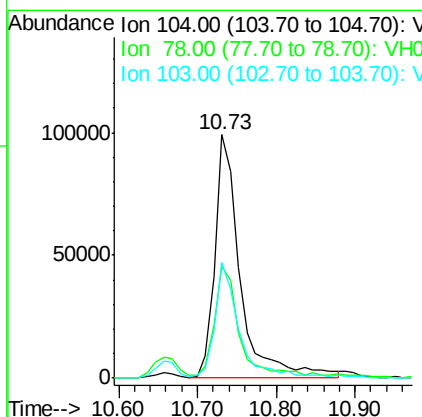
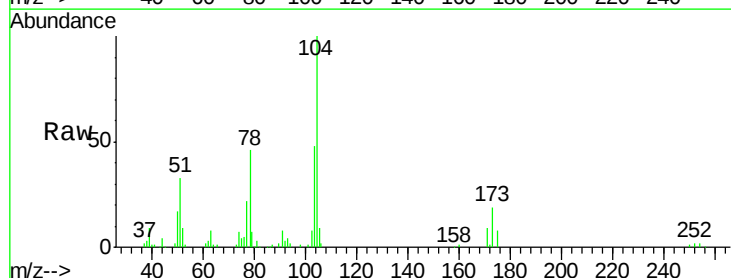
Manual Integrations
APPROVED

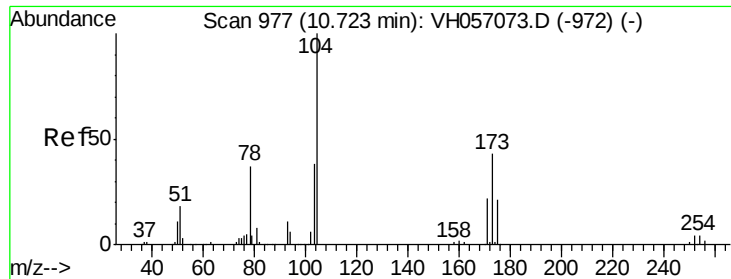
MMDadoda
9/18/2015 3:12:25 PM



#70
Styrene
Concen: 10.93 ug/l
RT: 10.73 min Scan# 980
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion:104 Resp: 223510
Ion Ratio Lower Upper
104 100
78 46.0 35.2 52.8
103 47.5 35.8 53.6





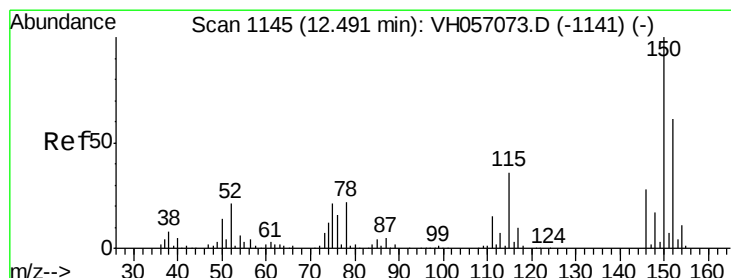
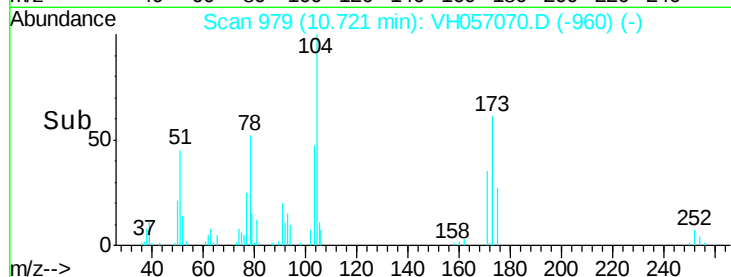
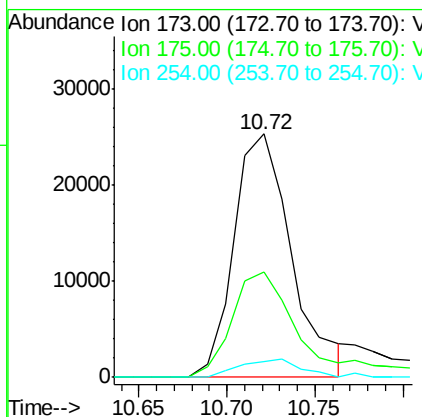
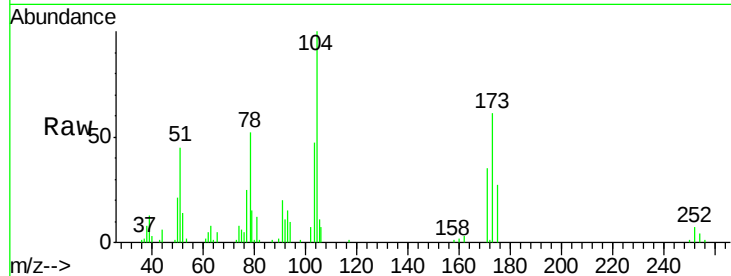
#71
Bromoform
Concen: 9.58 ug/l
RT: 10.72 min Scan# 979
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.4	23.3	69.9
254	6.2	4.4	13.2

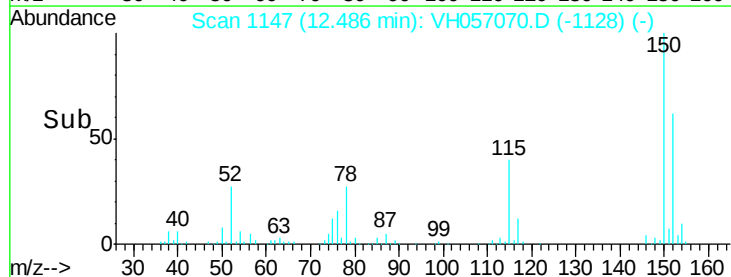
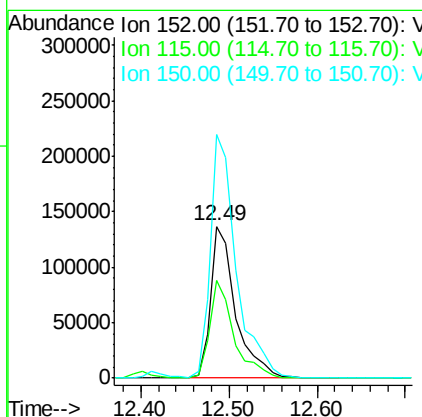
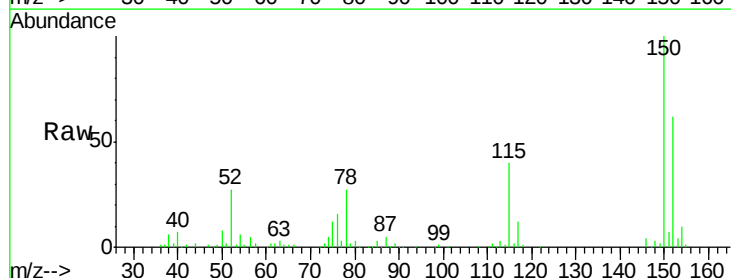
Manual Integrations
APPROVED

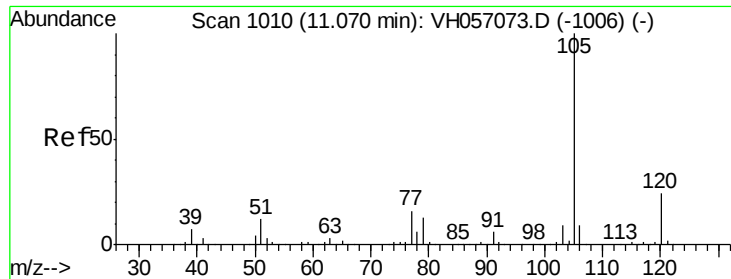
MMDadoda
9/18/2015 3:12:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	28.2	84.6
150	160.3	0.0	332.0





#73

Isopropylbenzene

Concen: 10.52 ug/l

RT: 11.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 269083

Ion Ratio Lower Upper

105 100

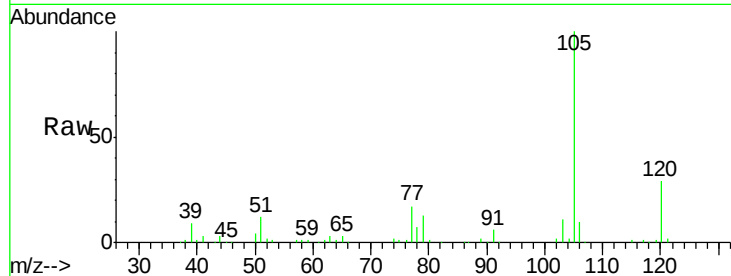
120 28.7 12.2 36.4

Manual Integrations

APPROVED

MMDadoda

9/18/2015 3:12:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

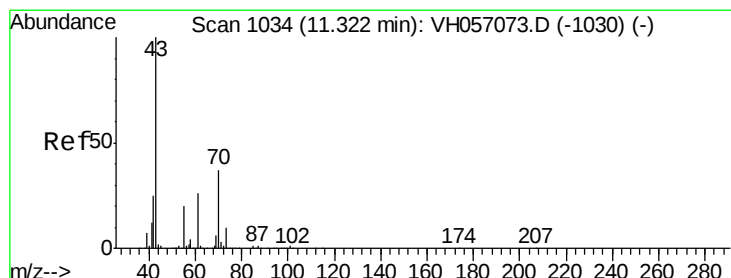
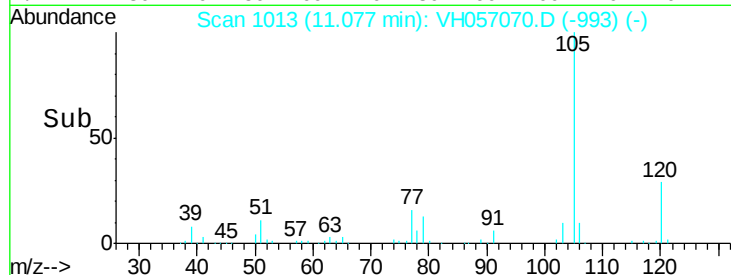
150000

110000

50000

0

Time--> 11.00 11.05 11.10 11.15



#74

n-Amyl Acetate

Concen: 10.68 ug/l

RT: 11.33 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion: 43 Resp: 297076

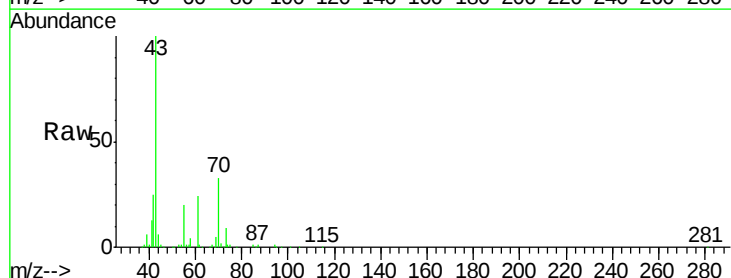
Ion Ratio Lower Upper

43 100

70 33.1 27.3 40.9

55 20.3 15.3 22.9

61 24.2 19.4 29.0



Abundance Ion 43.05 (42.75 to 43.75): V

Ion 70.05 (69.75 to 70.75): V

Ion 55.05 (54.75 to 55.75): V

Ion 61.00 (60.70 to 61.70): V

200000

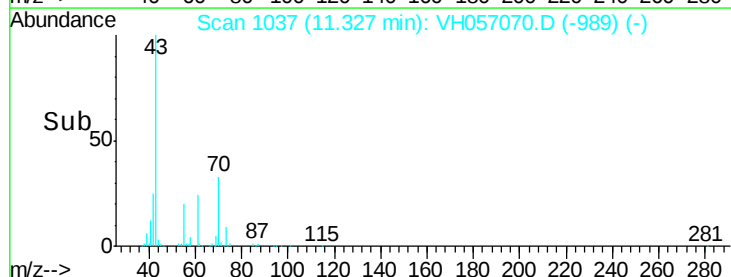
150000

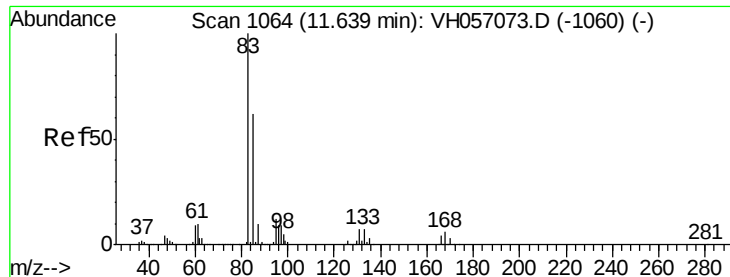
100000

50000

0

Time--> 11.20 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 9.98 ug/l

RT: 11.64 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

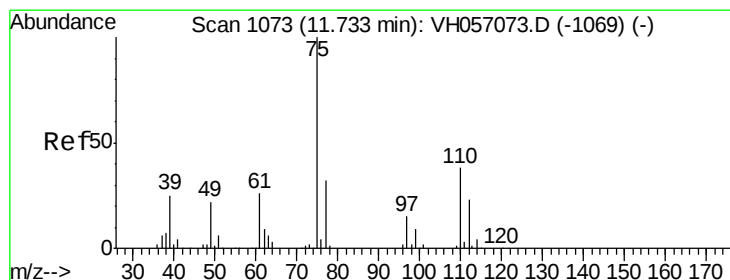
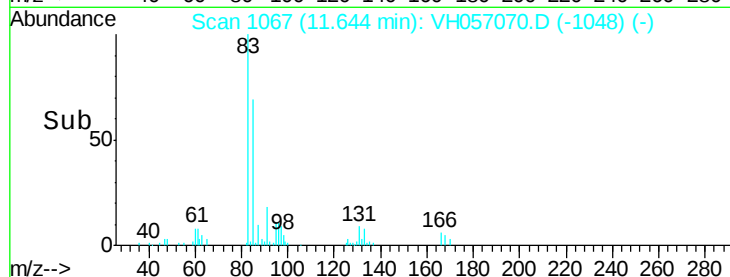
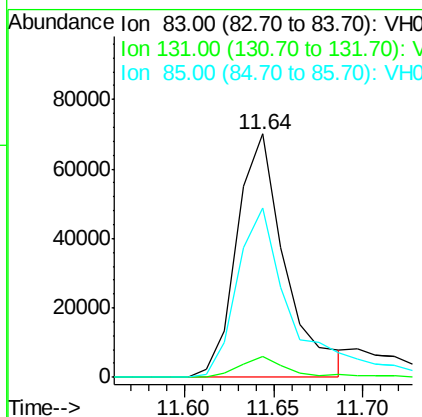
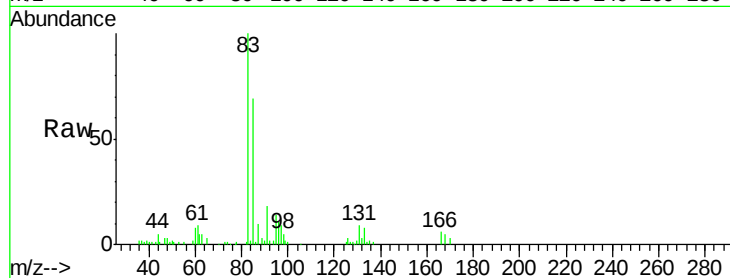
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	131995
Ion Ratio	Lower	Upper	
83	100		
131	8.6	3.1	9.3
85	69.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.30 ug/l

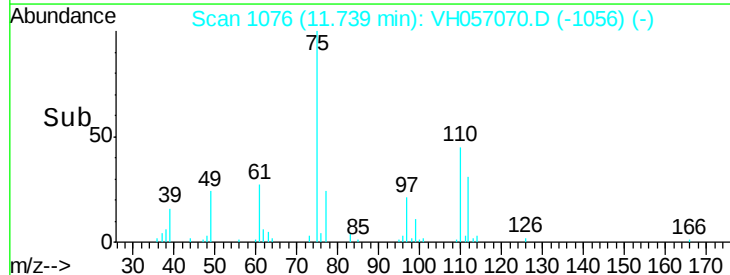
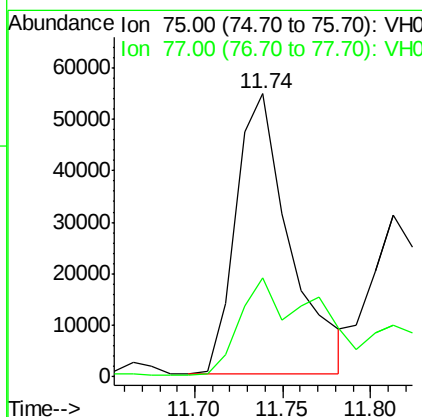
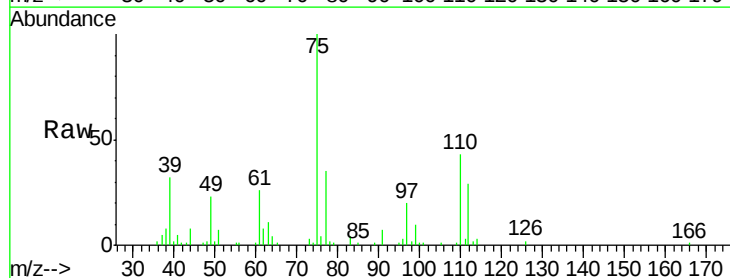
RT: 11.74 min Scan# 1076

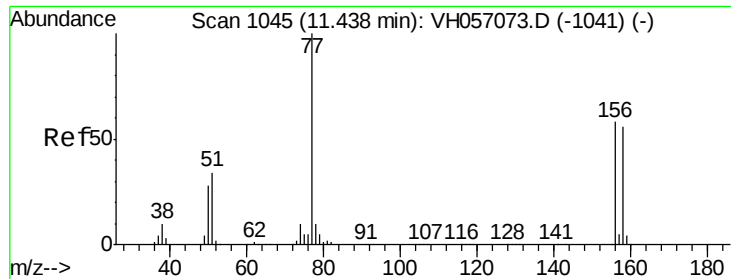
Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion:	75	Resp:	116269
Ion Ratio	Lower	Upper	
75	100		
77	34.9	14.9	44.9





#77

Bromobenzene

Concen: 11.39 ug/l

RT: 11.44 min Scan# 1048

Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 78571

Ion Ratio Lower Upper

156 100

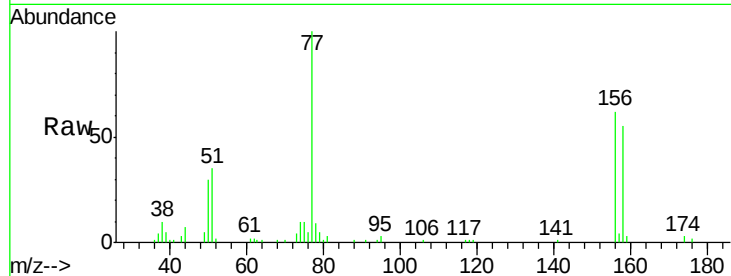
77 162.2 73.5 220.5

158 88.5 46.8 140.3

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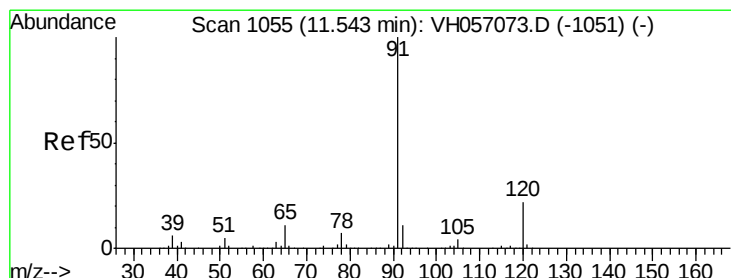
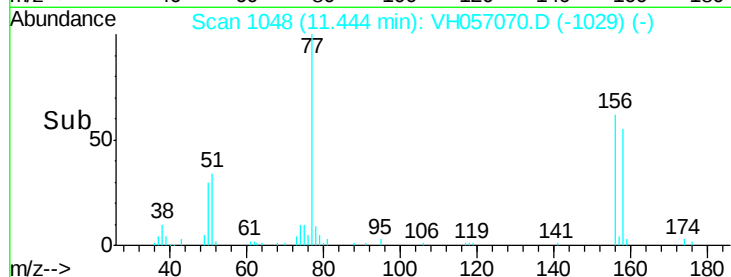
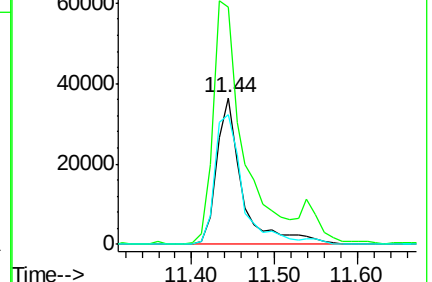
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VH0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 11.36 ug/l

RT: 11.54 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VH057070.D

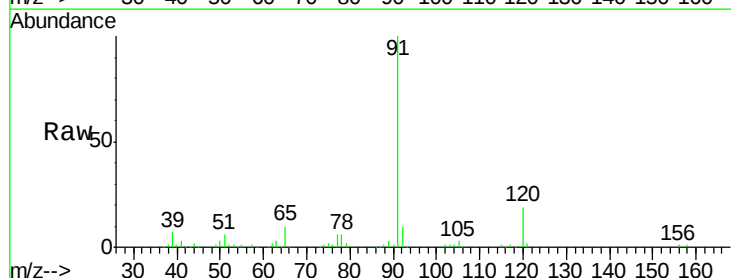
Acq: 17 Sep 2015 17:13

Tgt Ion: 91 Resp: 305530

Ion Ratio Lower Upper

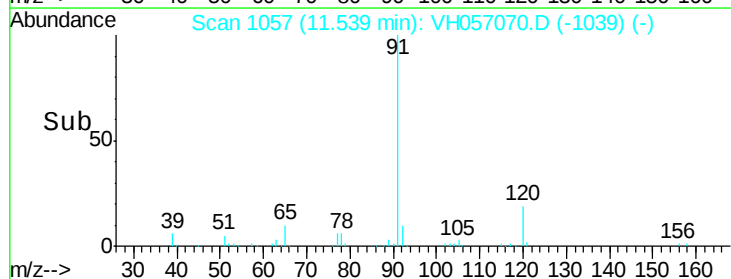
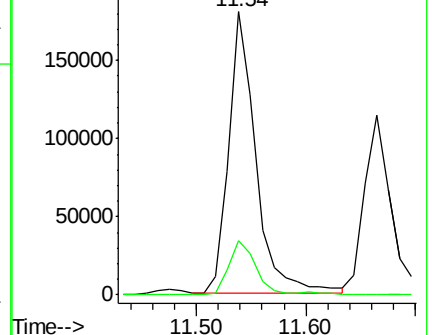
91 100

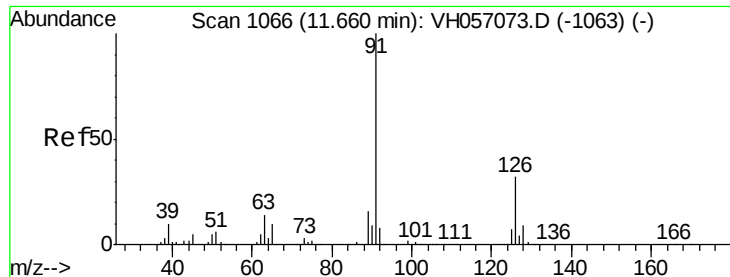
120 19.2 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.44 ug/l

RT: 11.66 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 186447

Ion Ratio Lower Upper

91 100

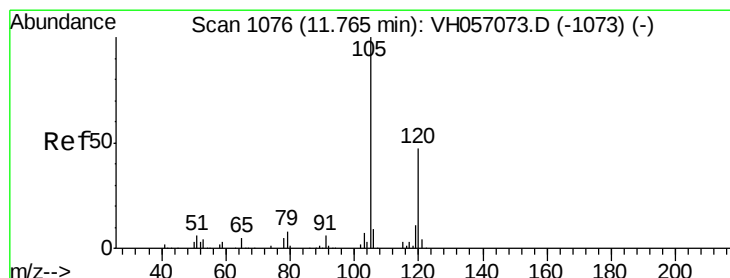
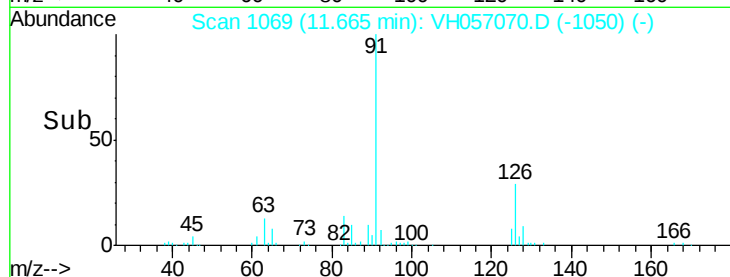
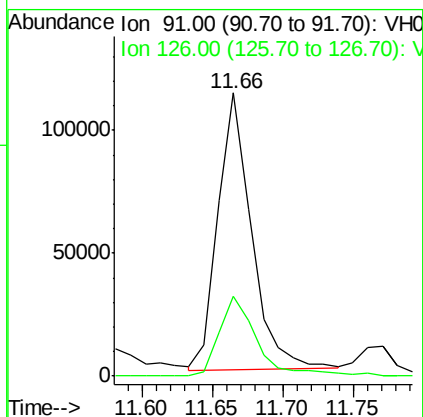
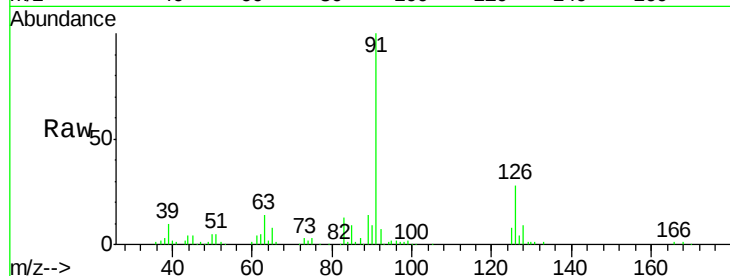
126 28.1 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 11.06 ug/l

RT: 11.77 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VH057070.D

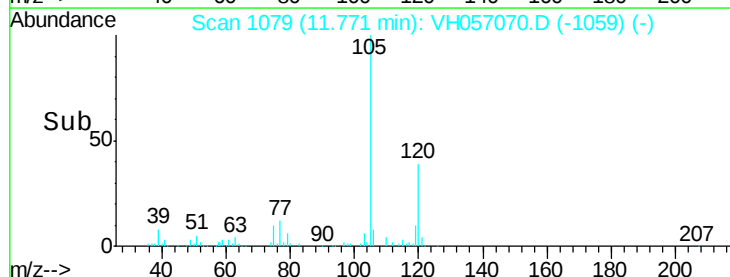
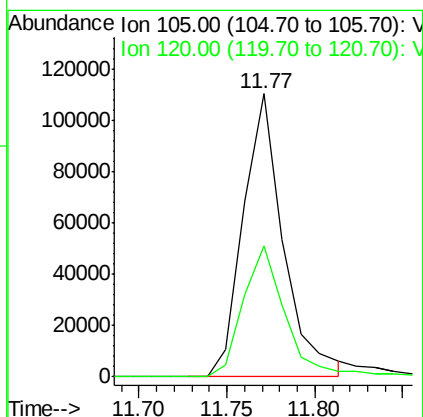
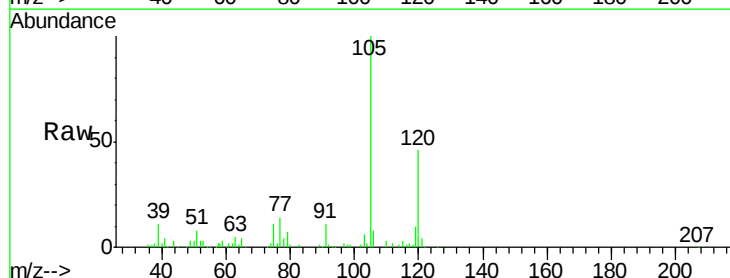
Acq: 17 Sep 2015 17:13

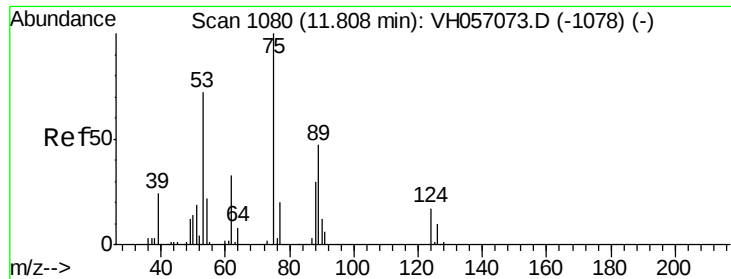
Tgt Ion: 105 Resp: 175002

Ion Ratio Lower Upper

105 100

120 46.4 23.6 71.0





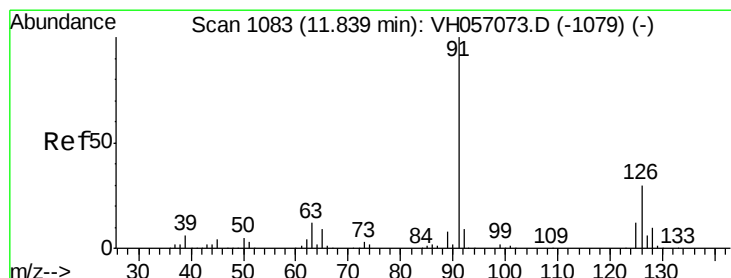
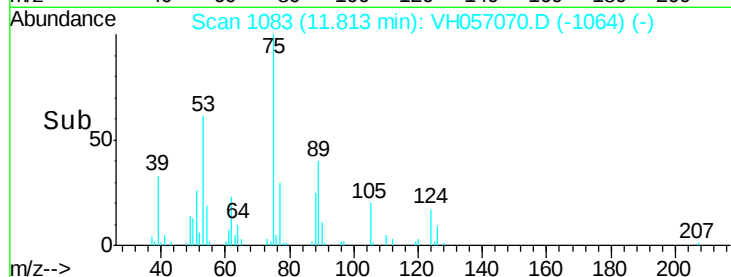
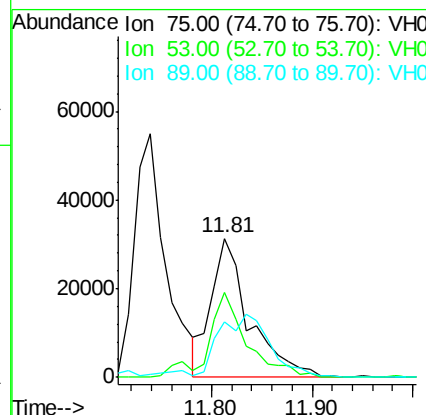
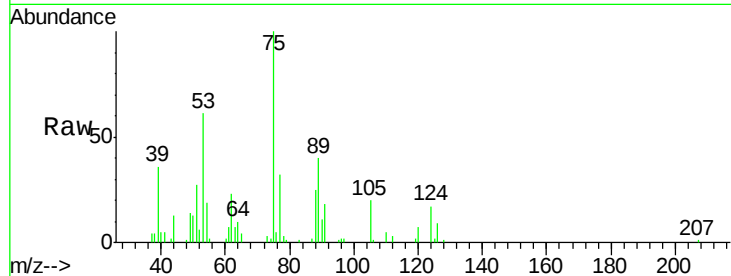
#81
trans-1,4-Dichloro-2-Butene
Concen: 10.50 ug/l
RT: 11.81 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	60.9	32.0	96.2
89	40.1	21.1	63.3

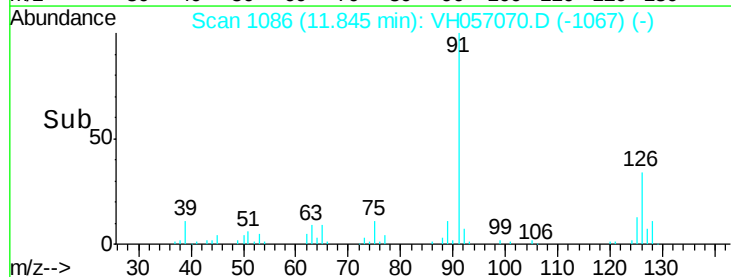
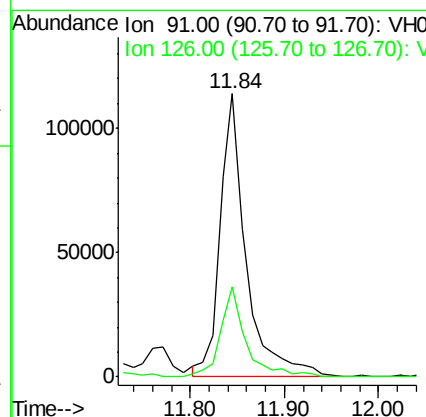
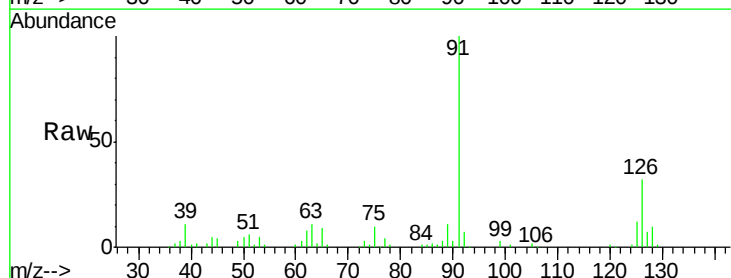
Manual Integrations
APPROVED

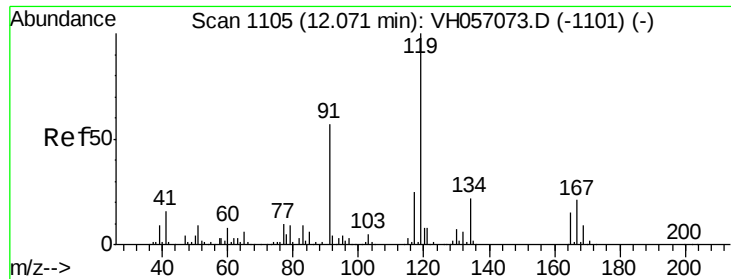
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#82
4-Chlorotoluene
Concen: 11.12 ug/l
RT: 11.84 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.0	51.0





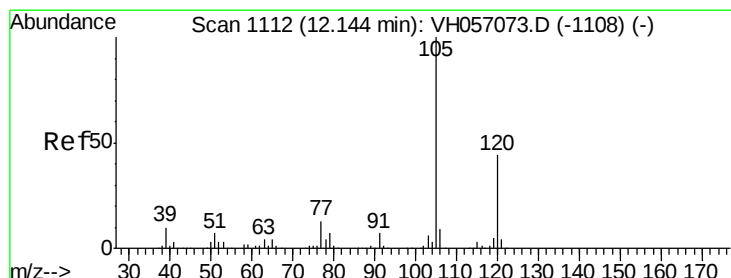
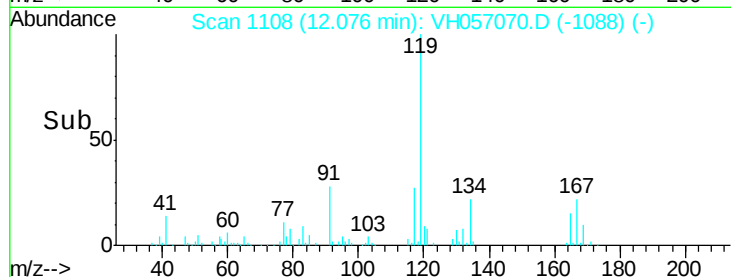
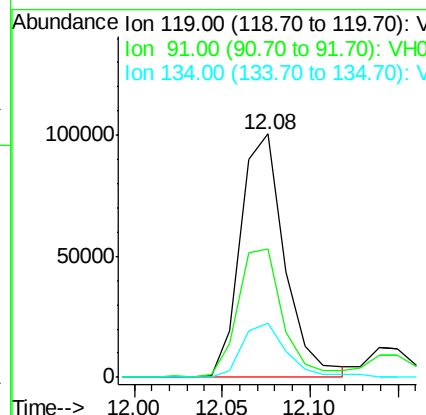
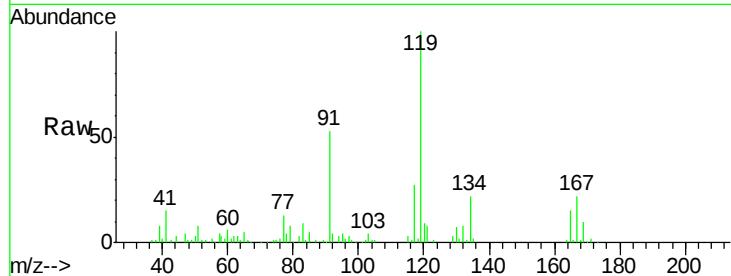
#83
 tert-Butylbenzene
 Concen: 11.83 ug/l
 RT: 12.08 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Instrument :
 MSVOA_H
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176089		
91	52.8		28.5	85.6
134	22.1		11.5	34.5

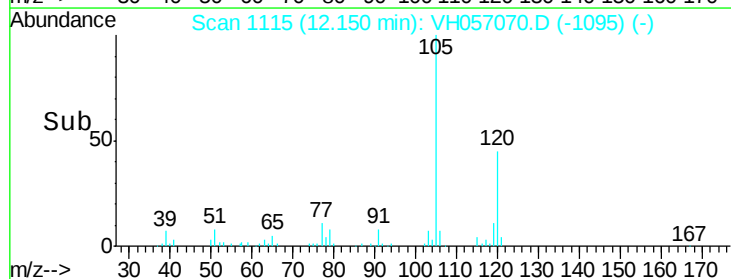
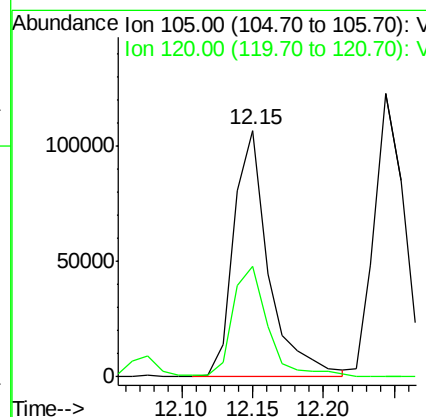
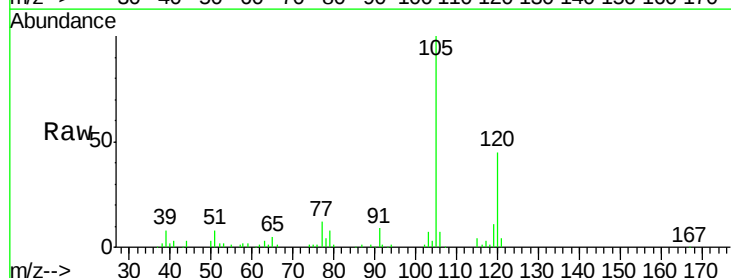
Manual Integrations
 APPROVED

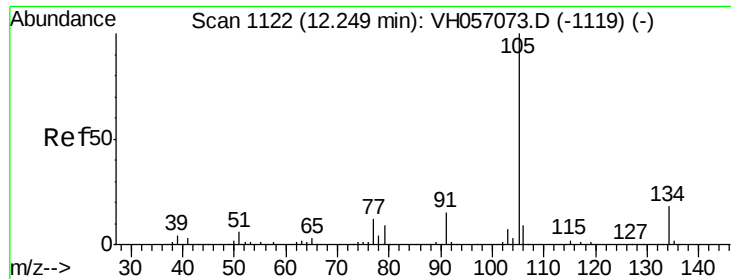
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.46 ug/l
 RT: 12.15 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	183281		
120	44.8		22.6	67.7





#85

sec-Butylbenzene

Concen: 10.94 ug/l

RT: 12.24 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 173222

Ion Ratio Lower Upper

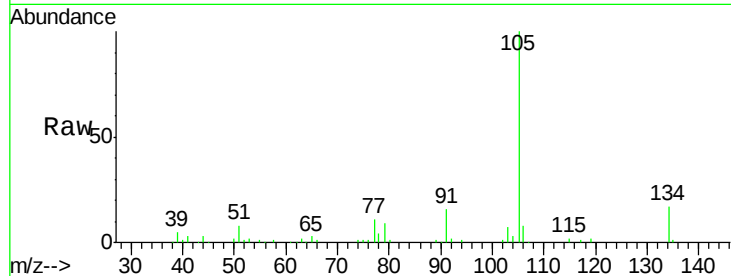
105 100

134 17.0 9.1 27.3

Manual Integrations
APPROVED

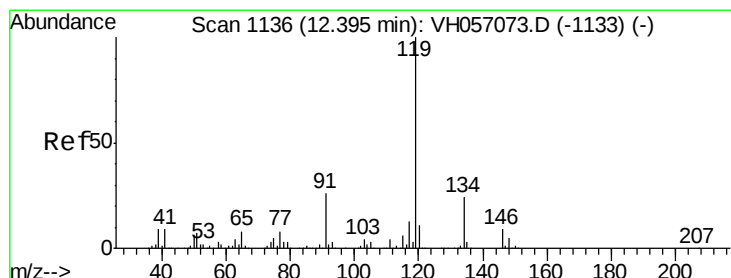
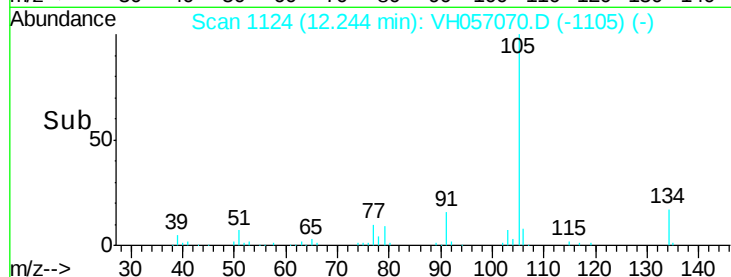
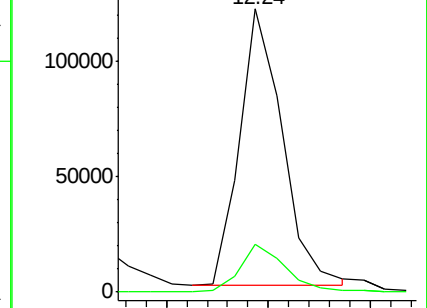
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 11.04 ug/l

RT: 12.40 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

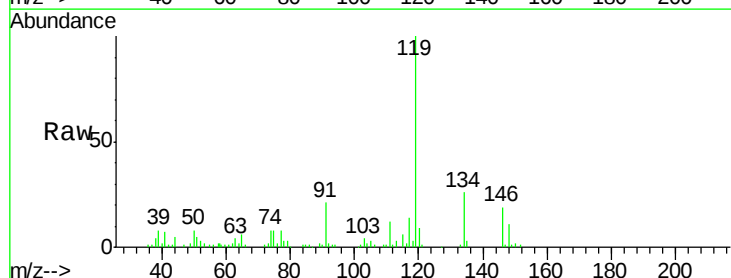
Tgt Ion:119 Resp: 134100

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

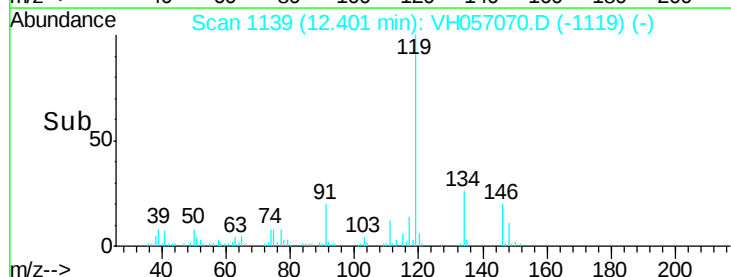
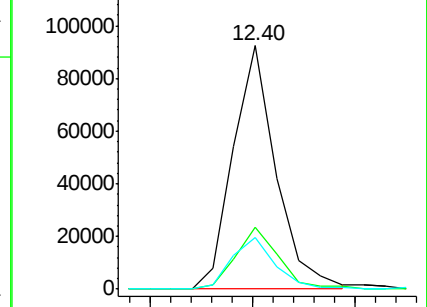
91 21.0 12.5 37.5

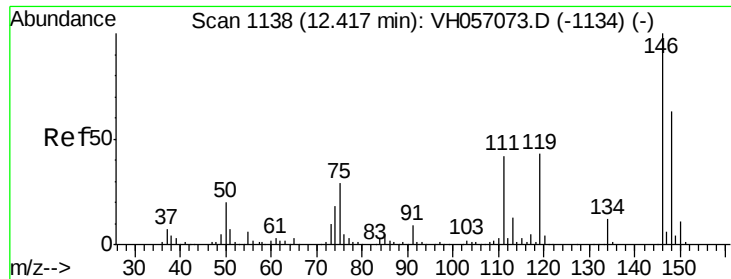


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 11.06 ug/l

RT: 12.41 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Instrument :

MSVOA_H

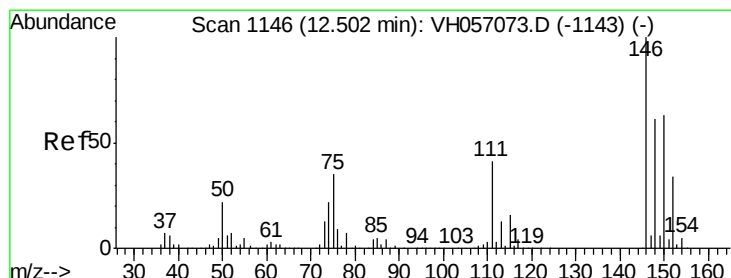
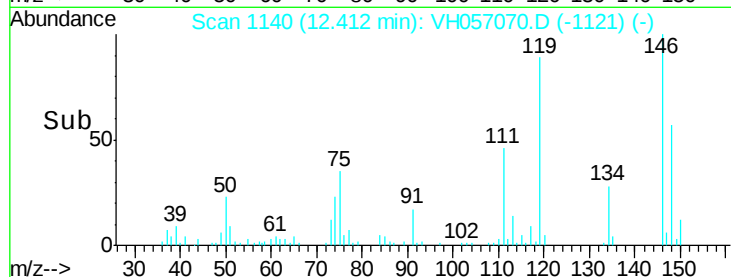
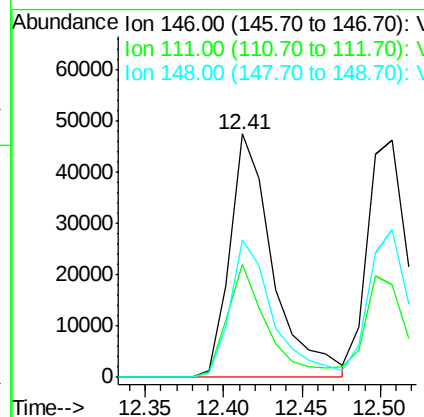
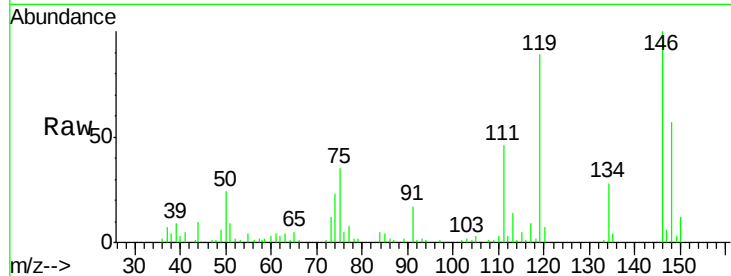
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	91066
Ion Ratio	Lower	Upper	
146	100		
111	46.4	21.0	63.0
148	56.6	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.98 ug/l

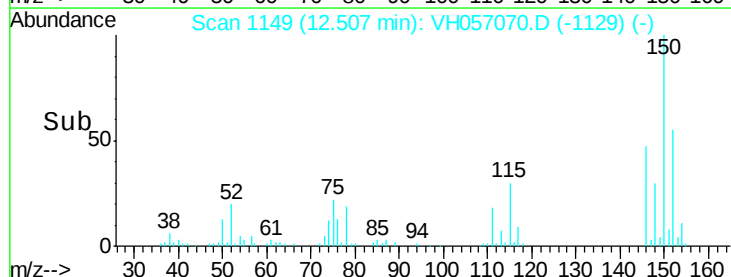
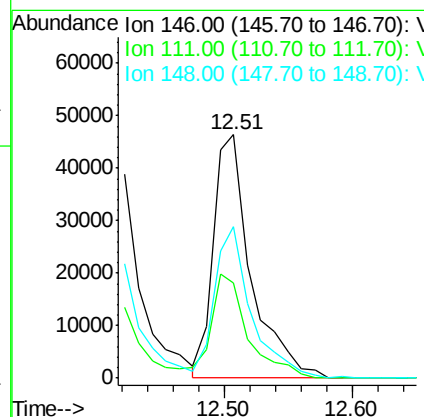
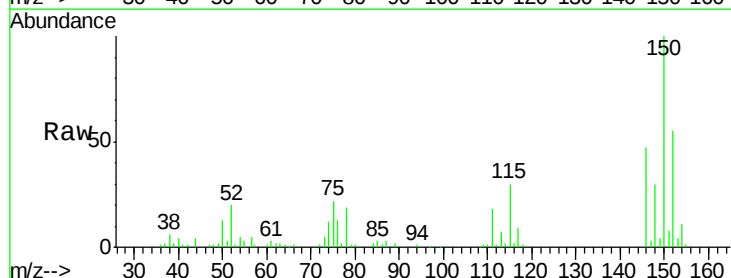
RT: 12.51 min Scan# 1149

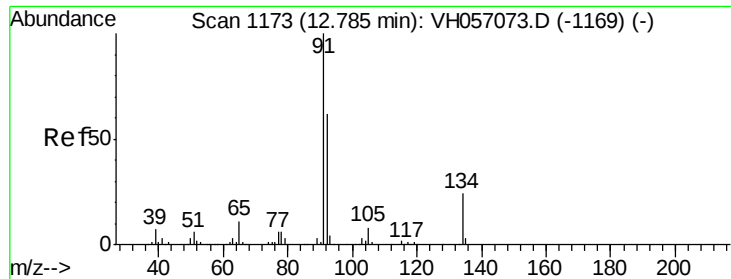
Delta R.T. 0.01 min

Lab File: VH057070.D

Acq: 17 Sep 2015 17:13

Tgt Ion:	146	Resp:	95150
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.8	59.3
148	62.3	30.3	90.9





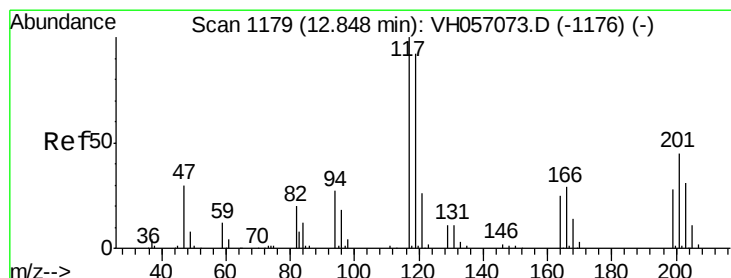
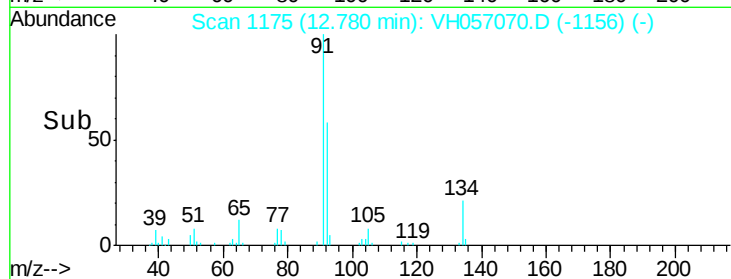
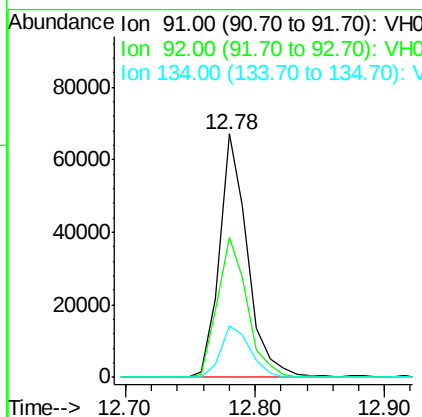
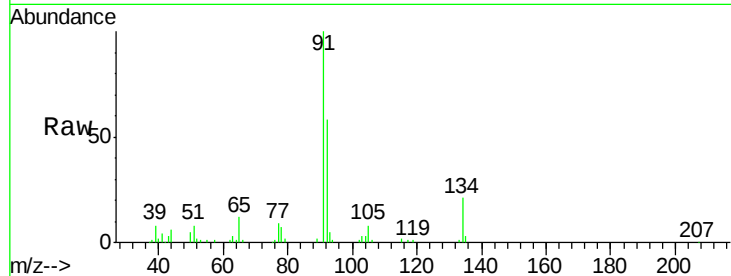
#89
n-Butylbenzene
Concen: 10.60 ug/l
RT: 12.78 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	100825		
92	57.6		31.3	93.9
134	21.3		10.5	31.6

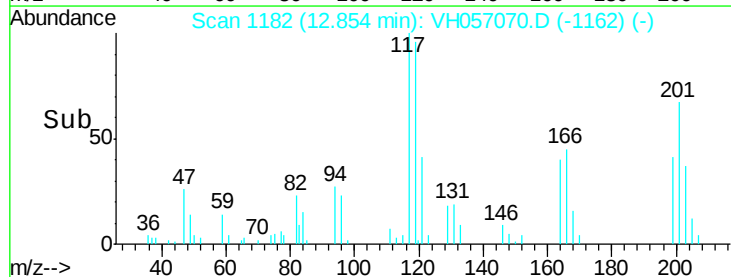
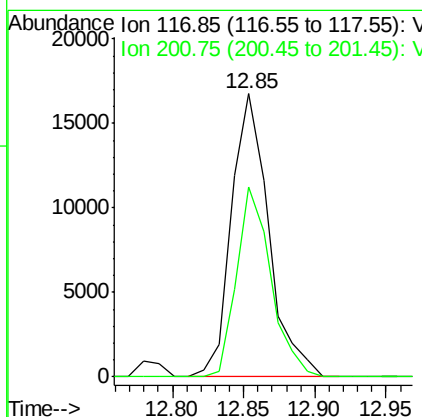
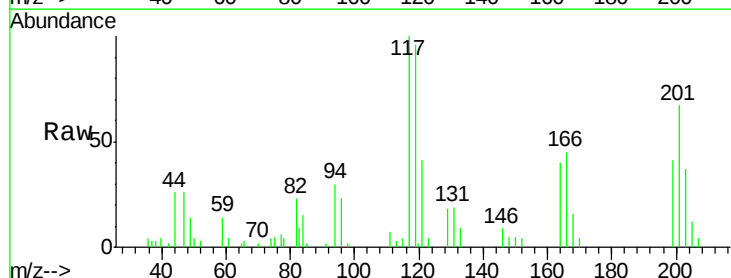
Manual Integrations
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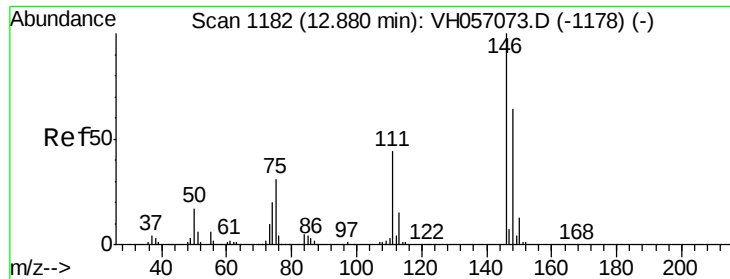
MMDadoda
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#90
Hexachloroethane
Concen: 11.97 ug/l
RT: 12.85 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30940		
201	67.0		14.0	80.8





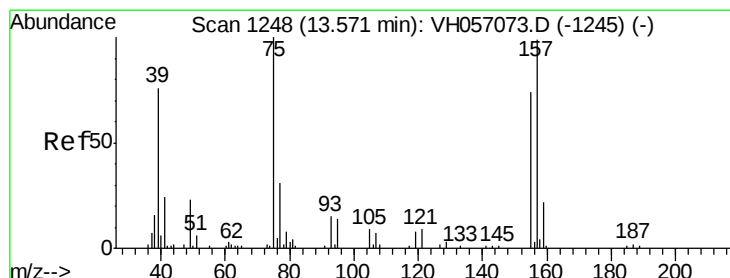
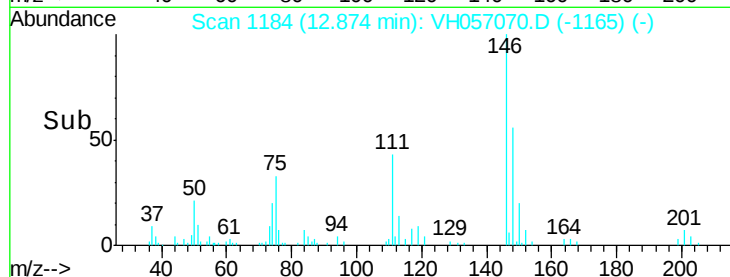
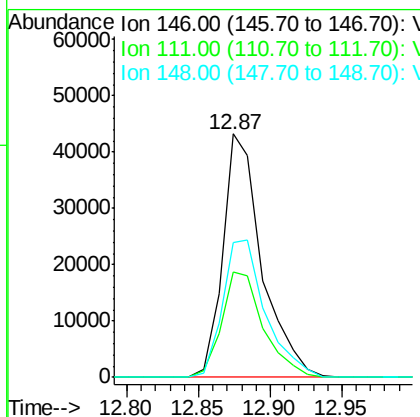
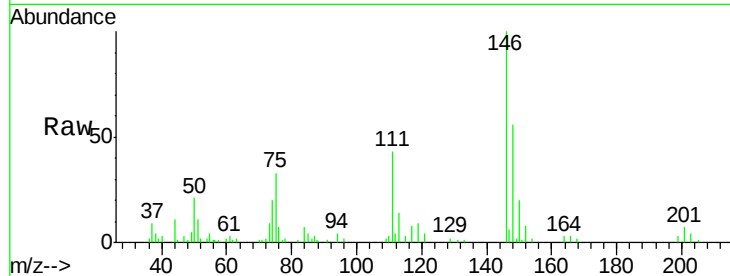
#91
 1,2-Dichlorobenzene
 Concen: 11.71 ug/l
 RT: 12.87 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.1
148	55.5	31.4	94.3

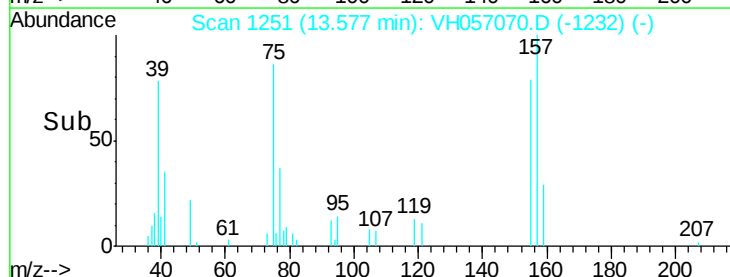
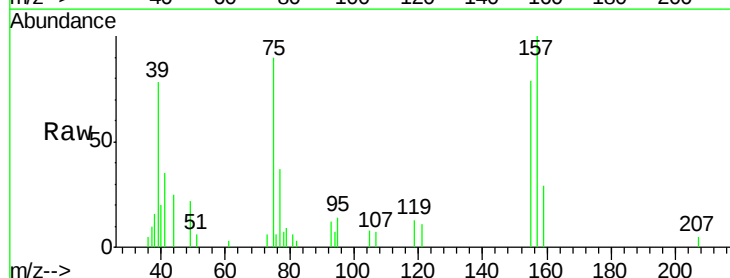
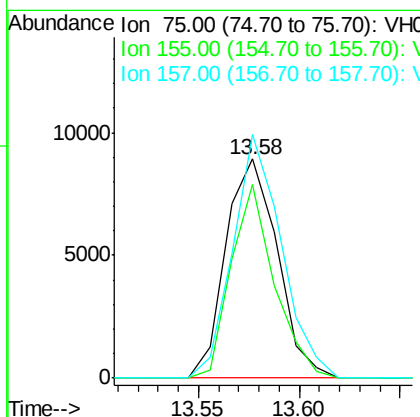
Manual Integrations
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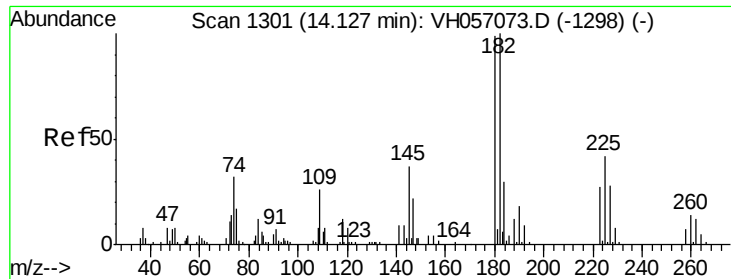
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.80 ug/l
 RT: 13.58 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.4	130.2
157	111.3	62.8	188.4





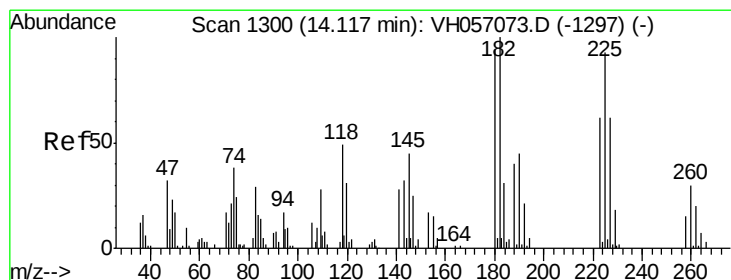
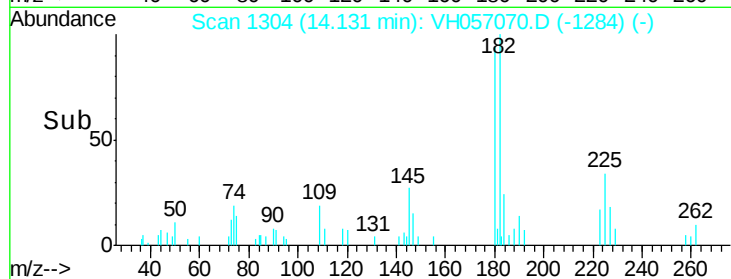
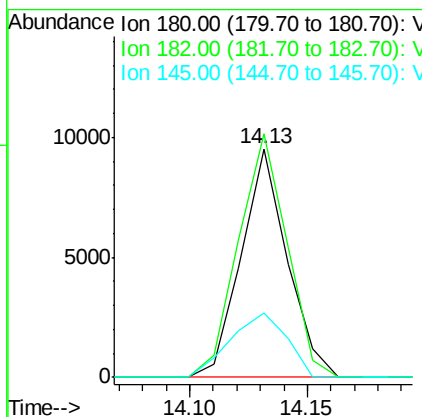
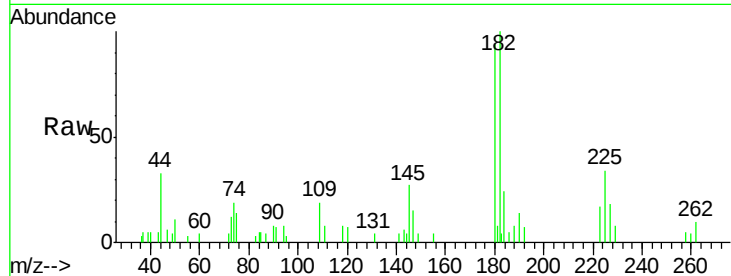
#93
 1,2,4-Trichlorobenzene
 Concen: 10.25 ug/l
 RT: 14.13 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	106.5	43.0	129.2	
145	28.4	17.3	52.0	

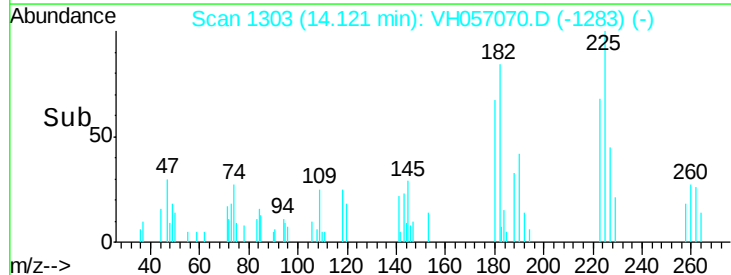
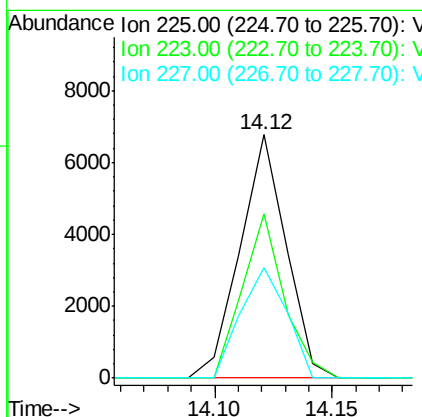
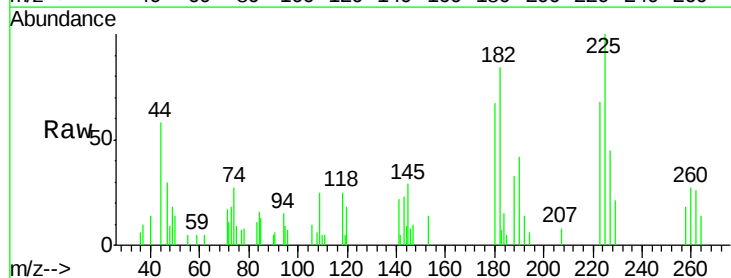
Manual Integrations
 APPROVED

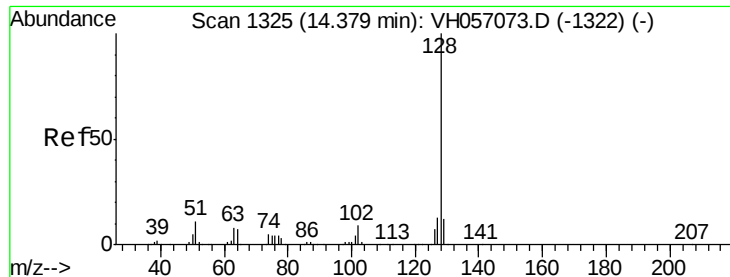
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 14.38 ug/l
 RT: 14.12 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: VH057070.D
 Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	67.7	30.3	90.8	
227	45.2	30.5	91.5	





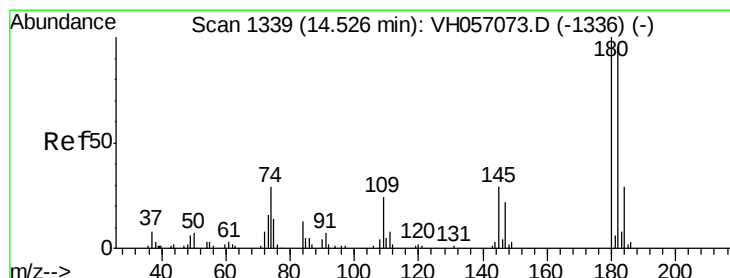
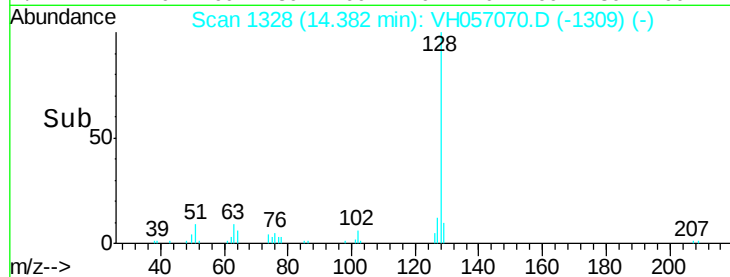
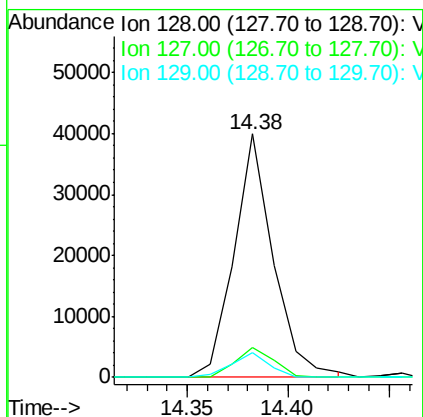
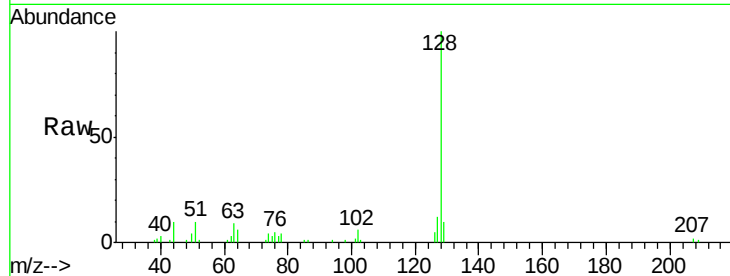
#95
Naphthalene
Concen: 9.87 ug/l
RT: 14.38 min Scan# 1328
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.6	14.4
129	10.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/18/2015 3:12:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.85 ug/l
RT: 14.53 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VH057070.D
Acq: 17 Sep 2015 17:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.3
145	37.8	12.5	37.5#

