

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH091715\
 Data File : VH057075.D
 Acq On : 17 Sep 2015 21:18
 Operator : SY/FY
 Sample : VSTDICV050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ICSVH091715

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:41:19 PM

Quant Time: Sep 18 09:56:22 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:51:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	750900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1342372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	1112547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	344525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	670424	50.00	ug/l	0.00
Spiked Amount 50.000	Range 66 - 150		Recovery =	100.00%		
35) Dibromofluoromethane	4.08	113	534895	50.05	ug/l	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	100.10%		
48) Toluene-d8	7.51	98	1533179	49.89	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 121		Recovery =	99.78%		
62) 4-Bromofluorobenzene	11.35	95	562261	54.25	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	108.50%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	462315	48.67	ug/l	97
3) Chloromethane	1.02	50	586229	49.06	ug/l	99
4) Vinyl Chloride	1.09	62	481458	48.75	ug/l	97
5) Bromomethane	1.27	94	208576	47.98	ug/l	95
6) Chloroethane	1.35	64	201636	50.18	ug/l	95
7) Trichlorofluoromethane	1.40	101	476893m	51.63	ug/l	
8) Tert butyl alcohol	2.55	59	616262	255.97	ug/l #	95
9) Diethyl Ether	1.61	74	231024	50.59	ug/l	77
10) Diisopropyl ether	2.79	45	1643994	49.11	ug/l	98
11) 1,1-Dichloroethene	1.76	96	343432	49.58	ug/l	96
12) Methyl Iodide	1.87	142	588395m	48.20	ug/l	
13) Acrolein	1.97	56	404589	281.02	ug/l	93
14) 1,1,2-Trichlorotrifluoroet	1.80	101	335407	49.70	ug/l	98
15) Acrylonitrile	2.91	53	1075333	244.91	ug/l	93
16) Allyl Chloride	2.08	41	727742	50.96	ug/l	95
17) Acetone	2.22	43	1425893	258.62	ug/l	98
18) Carbon Disulfide	1.77	76	978702	47.91	ug/l #	94
19) Methyl Acetate	2.32	43	1742234	49.92	ug/l	98
20) Methyl tert-butyl Ether	2.41	73	1406150	50.70	ug/l	97
21) Methylene Chloride	2.15	84	371626m	49.03	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	376206	49.40	ug/l	91
23) Vinyl Acetate	3.17	43	3907715	246.65	ug/l	99
24) 1,1-Dichloroethane	2.85	63	834043	50.59	ug/l	100
25) 2-Butanone	4.31	43	3016949	242.20	ug/l	99
26) 2,2-Dichloropropane	3.57	77	485435	46.91	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	528495	49.69	ug/l	98
28) Bromochloromethane	3.69	128	189420	53.32	ug/l	94
29) Chloroform	3.83	83	996283	51.13	ug/l	93
30) Cyclohexane	3.67	56	655577	49.64	ug/l	93
31) Tetrahydrofuran	4.04	42	1758789	251.55	ug/l	95
32) 1,1,1-Trichloroethane	4.06	97	644200	45.92	ug/l	98
36) 1,1-Dichloropropene	4.25	75	757334	51.35	ug/l	98
37) Ethyl acetate	4.08	43	1439149	51.97	ug/l	96
38) Carbon Tetrachloride	3.97	117	591112	51.47	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:51:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.60	78	1808773	51.50	ug/l	100
40) Methacrylonitrile	4.71	41	636361	51.93	ug/l	93
41) 1,2-Dichloroethane	4.91	62	796162	51.36	ug/l	98
42) Isopropyl Acetate	5.46	43	1828993	50.59	ug/l	97
43) Trichloroethene	5.48	130	474516	53.17	ug/l	100
44) Methylcyclohexane	5.43	83	441952	51.99	ug/l	95
45) 1,2-Dichloropropane	6.20	63	579893	52.08	ug/l	96
46) Dibromomethane	6.06	93	368794	50.93	ug/l	99
47) Bromodichloromethane	6.35	83	781199	52.67	ug/l	98
49) 4-Methyl-2-Pentanone	8.21	43	5581692	254.87	ug/l	100
50) Toluene	7.58	92	1170869	52.06	ug/l	95
51) t-1,3-Dichloropropene	8.24	75	916639	53.90	ug/l	99
52) Methyl Methacrylate	6.69	69	591309	53.66	ug/l	96
53) 1,4-Dioxane	6.67	88	144162	1115.43	ug/l	88
54) cis-1,3-Dichloropropene	7.27	75	944642	52.31	ug/l	97
55) 1,1,2-Trichloroethane	8.44	97	497928	52.16	ug/l	96
56) Ethyl Methacrylate	8.58	69	1018895	54.04	ug/l	94
57) 1,3-Dichloropropane	8.80	76	1072249	55.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.26	63	2990691	320.81	ug/l	98
59) 2-Hexanone	9.44	43	4338824	253.56	ug/l	100
60) Dibromochloromethane	8.66	129	603467	55.76	ug/l	98
61) 1,2-Dibromoethane	8.93	107	624456	56.84	ug/l	96
64) Tetrachloroethene	8.12	164	335482	53.22	ug/l	98
65) Chlorobenzene	9.74	112	1265522	52.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.88	131	433019	51.84	ug/l	97
67) Ethyl Benzene	9.84	106	620290	53.53	ug/l	95
68) m/p-Xylenes	10.08	106	1462568	103.76	ug/l	99
69) o-Xylene	10.66	106	732300	54.11	ug/l	99
70) Styrene	10.73	104	1224806	51.81	ug/l	99
71) Bromoform	10.72	173	379568	53.10	ug/l	97
73) Isopropylbenzene	11.07	105	1610354	51.18	ug/l	100
74) n-Amyl Acetate	11.32	43	1619714	48.45	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.64	83	793972	48.13	ug/l	98
76) 1,2,3-Trichloropropane	11.73	75	643779	49.74	ug/l	95
77) Bromobenzene	11.44	156	456253	50.95	ug/l	89
78) n-propylbenzene	11.54	91	1721632	51.18	ug/l	98
79) 2-Chlorotoluene	11.66	91	984358	48.51	ug/l	97
80) 1,3,5-Trimethylbenzene	11.77	105	991831	48.24	ug/l	96
81) trans-1,4-Dichloro-2-Buten	11.81	75	465811	49.38	ug/l	93
82) 4-Chlorotoluene	11.85	91	1206170	49.21	ug/l	100
83) tert-Butylbenzene	12.07	119	936097	48.23	ug/l	98
84) 1,2,4-Trimethylbenzene	12.14	105	1052638	49.61	ug/l	95
85) sec-Butylbenzene	12.25	105	1009759	48.64	ug/l	98
86) p-Isopropyltoluene	12.39	119	804582	51.05	ug/l	98
87) 1,3-Dichlorobenzene	12.42	146	566183	52.99	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	575430	52.00	ug/l	97
89) n-Butylbenzene	12.79	91	649968	51.59	ug/l	96
90) Hexachloroethane	12.85	117	162272	48.64	ug/l	94
91) 1,2-Dichlorobenzene	12.88	146	488161	50.71	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.57	75	83025	44.88	ug/l	93

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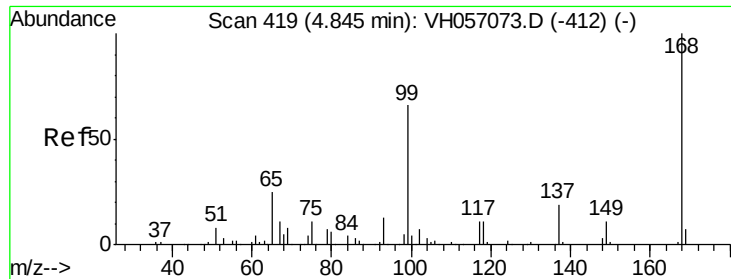
Manual Integrations
APPROVED

MMDadoda
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Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	99134	46.23	ug/l	90
94) Hexachlorobutadiene	14.12	225	51133	51.34	ug/l	98
95) Naphthalene	14.38	128	388595	44.94	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	66052	45.40	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 419

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion:168 Resp: 750900

Ion Ratio Lower Upper

168 100

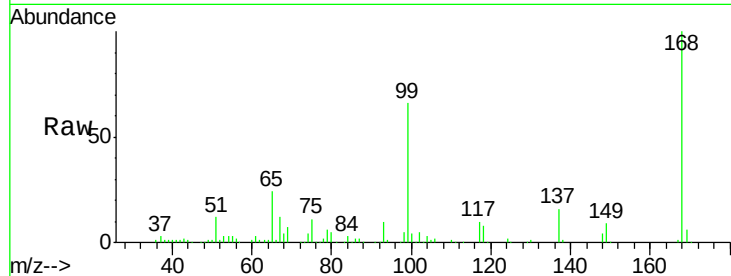
99 65.9 55.8 83.6

Manual Integrations

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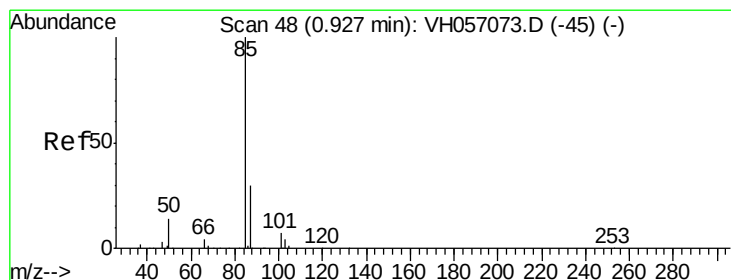
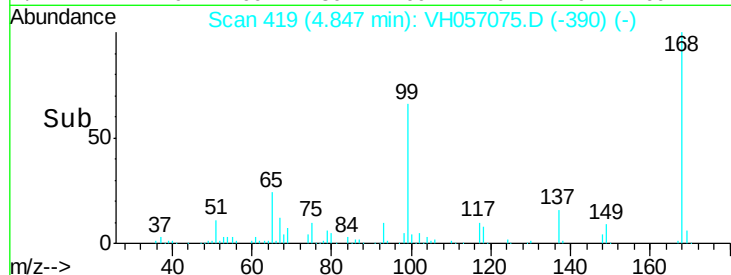
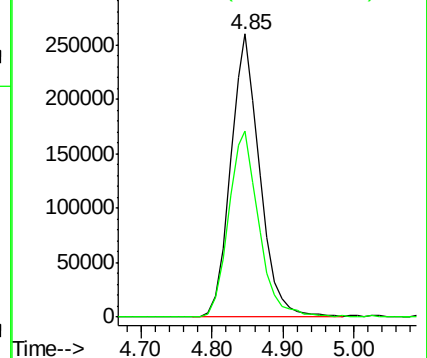
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VHC



#2

Dichlorodifluoromethane

Concen: 48.67 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057075.D

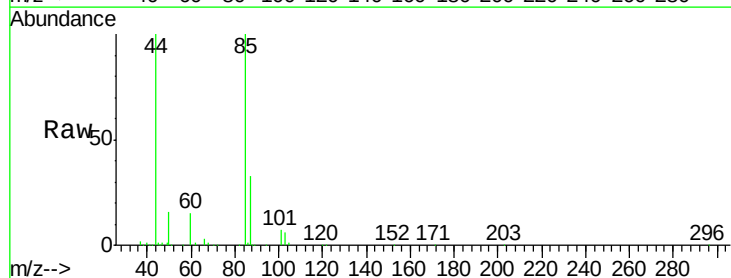
Acq: 17 Sep 2015 21:18

Tgt Ion: 85 Resp: 462315

Ion Ratio Lower Upper

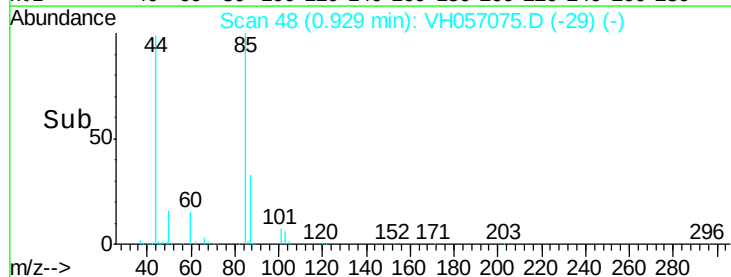
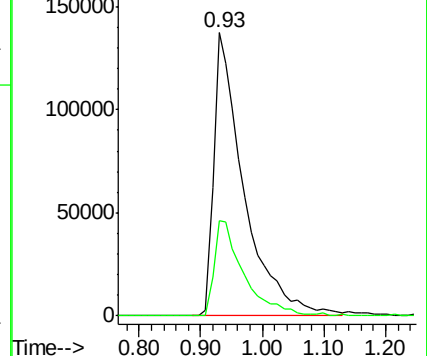
85 100

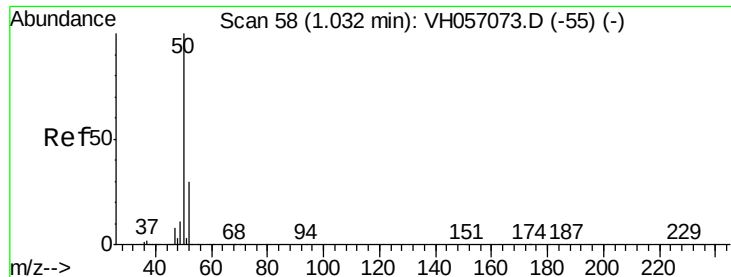
87 33.4 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VHC

Ion 87.00 (86.70 to 87.70): VHC





#3

Chloromethane

Concen: 49.06 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 50 Resp: 586229

Ion Ratio Lower Upper

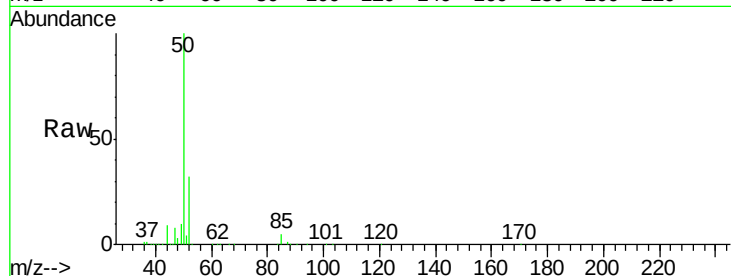
50 100

52 31.9 25.8 38.8

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Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0

1.02

400000

300000

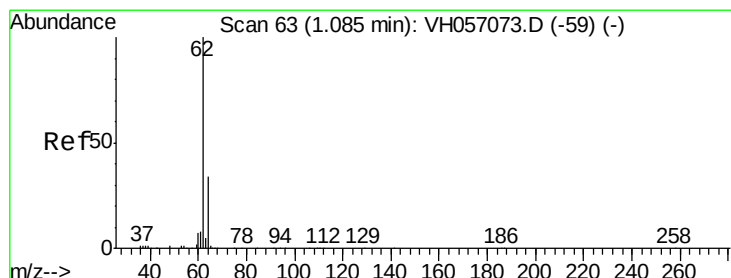
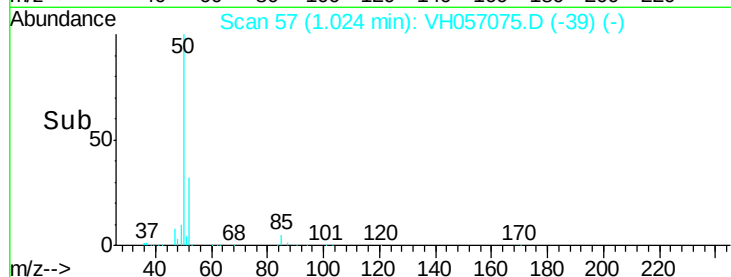
200000

100000

0

1.00 1.10 1.20

Time-->



#4

Vinyl Chloride

Concen: 48.75 ug/l

RT: 1.09 min Scan# 63

Delta R.T. 0.00 min

Lab File: VH057075.D

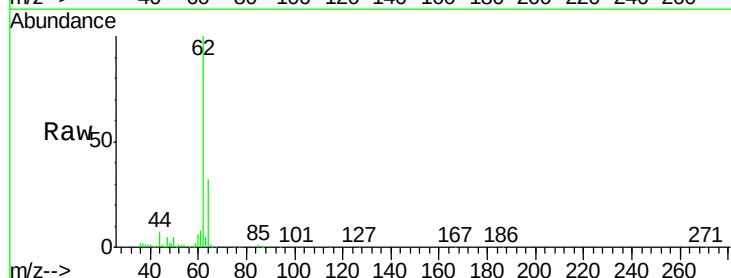
Acq: 17 Sep 2015 21:18

Tgt Ion: 62 Resp: 481458

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 64.00 (63.70 to 64.70): VH0

1.09

300000

250000

200000

150000

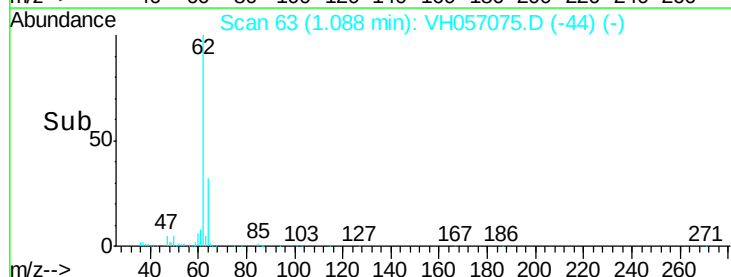
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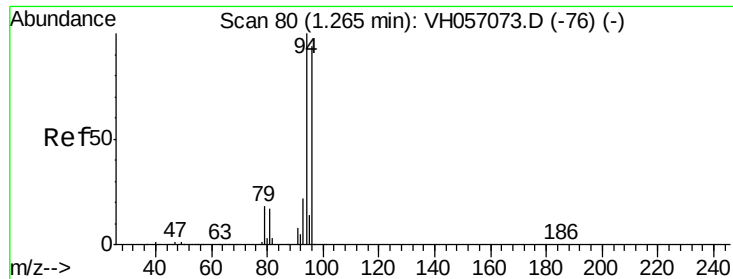
50000

0

1.00 1.10 1.20

Time-->





#5

Bromomethane

Concen: 47.98 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 94 Resp: 208576

Ion Ratio Lower Upper

94 100

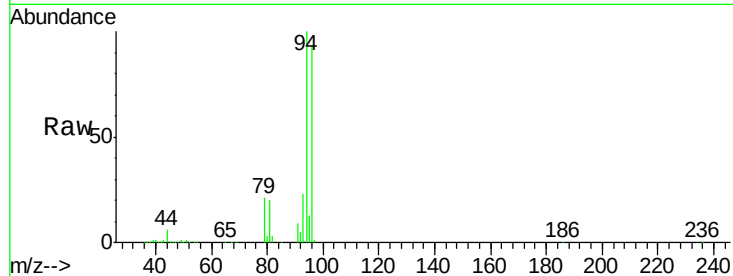
96 92.9 78.5 117.7

Manual Integrations

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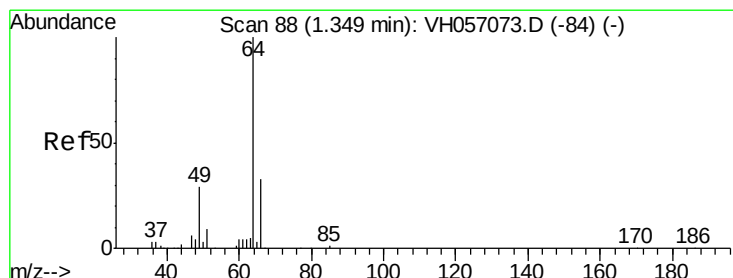
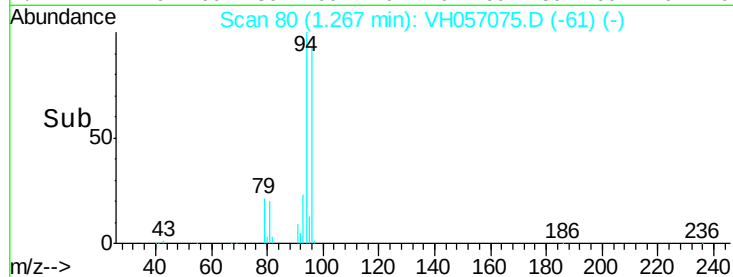
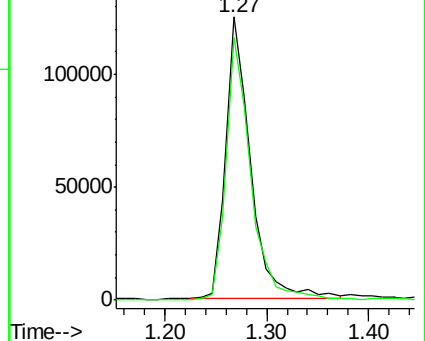
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Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 50.18 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057075.D

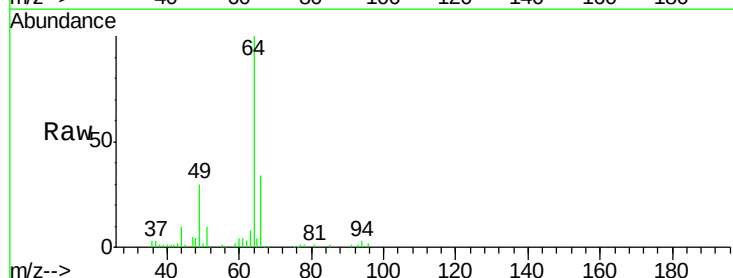
Acq: 17 Sep 2015 21:18

Tgt Ion: 64 Resp: 201636

Ion Ratio Lower Upper

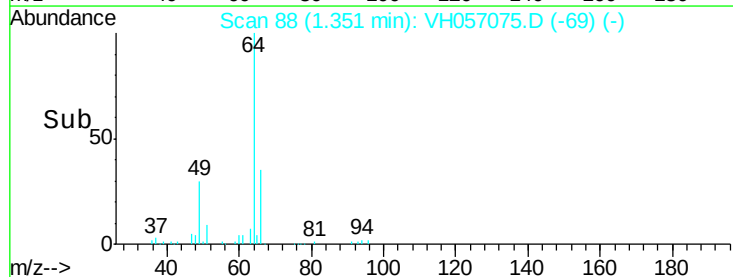
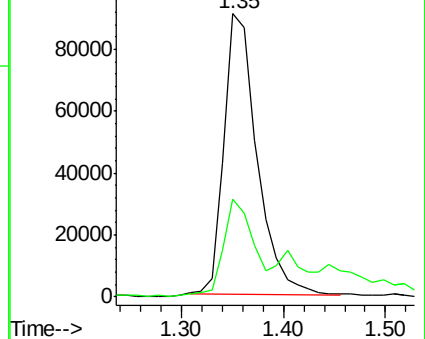
64 100

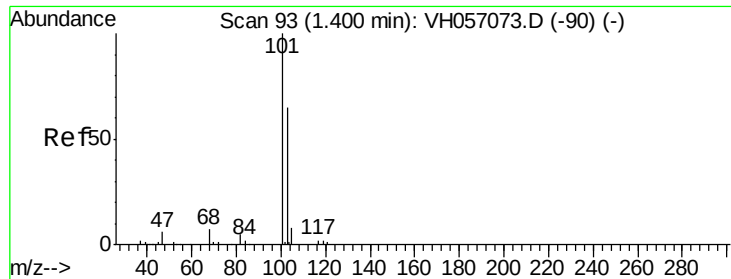
66 34.4 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

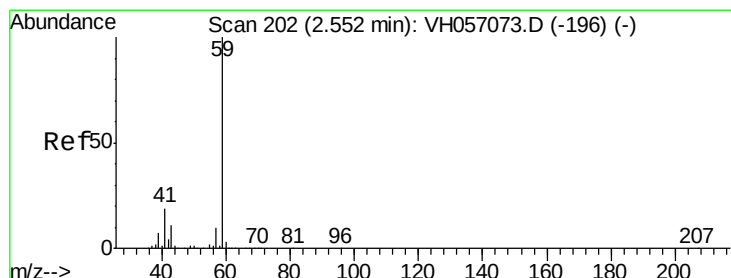
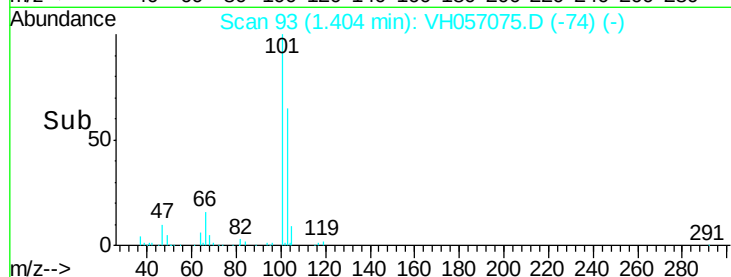
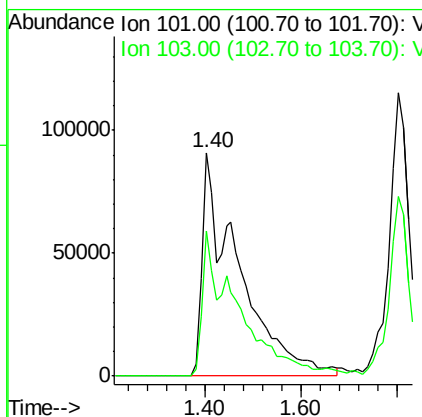
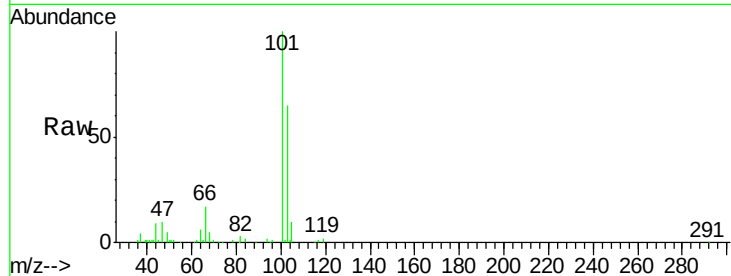
Trichlorofluoromethane
Concen: 51.63 ug/l m
RT: 1.40 min Scan# 93
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
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ClientSampleId :
ICVVH091715

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	54.9	82.3

Manual Integrations
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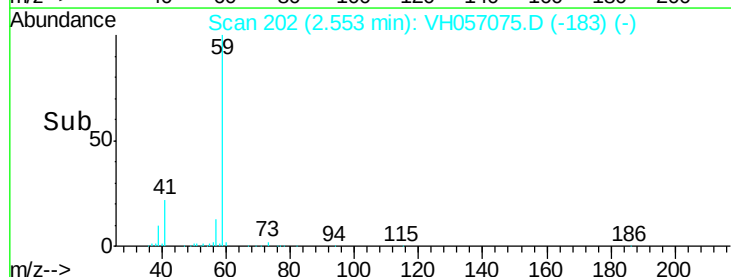
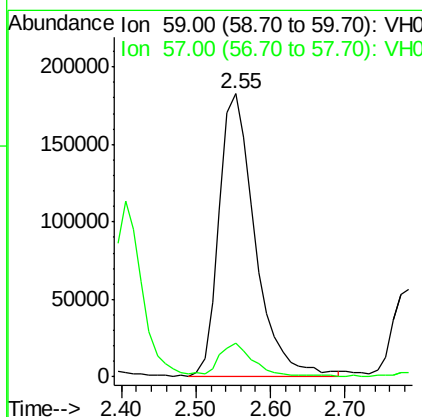
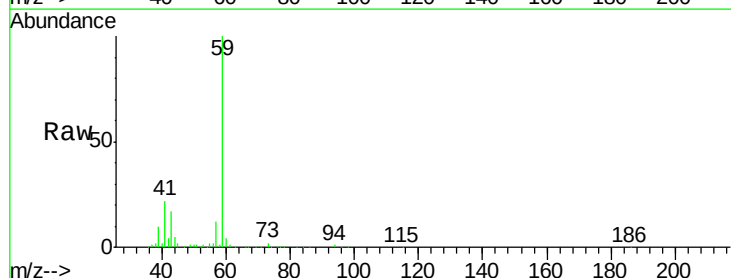
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9/18/2015 3:41:19 PM

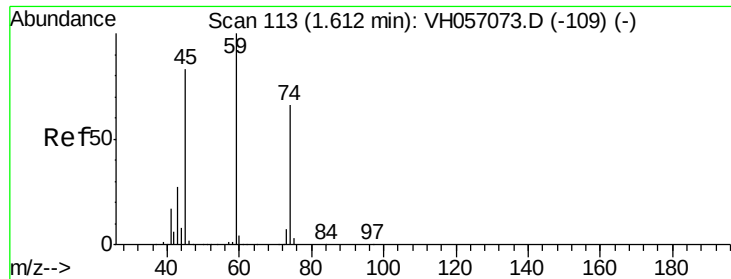


#8

Tert butyl alcohol
Concen: 255.97 ug/l
RT: 2.55 min Scan# 202
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.0	11.0#





#9

Diethyl Ether

Concen: 50.59 ug/l

RT: 1.61 min Scan# 113

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 74 Resp: 231024

Ion Ratio Lower Upper

74 100

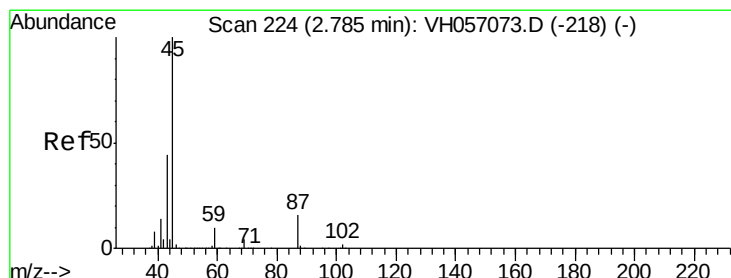
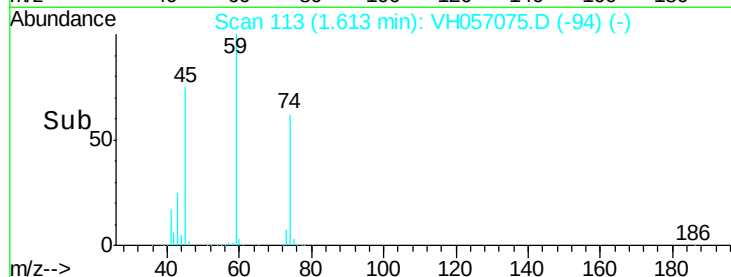
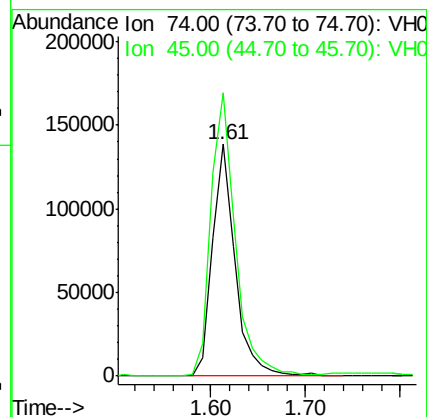
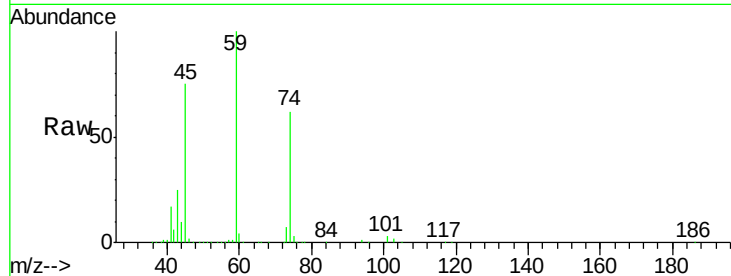
45 122.2 0.0 304.4

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#10

Diisopropyl ether

Concen: 49.11 ug/l

RT: 2.79 min Scan# 224

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion: 45 Resp: 1643994

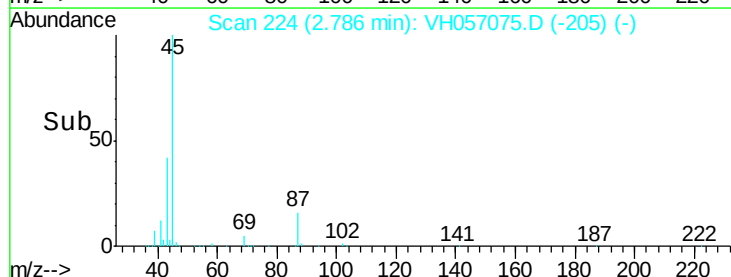
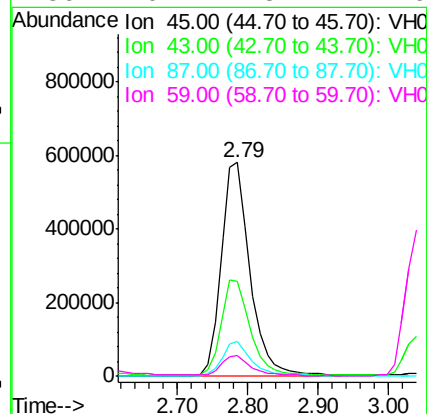
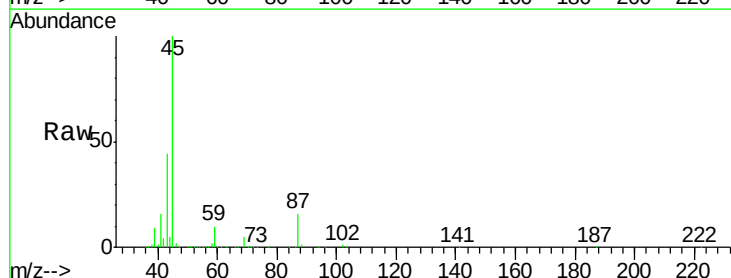
Ion Ratio Lower Upper

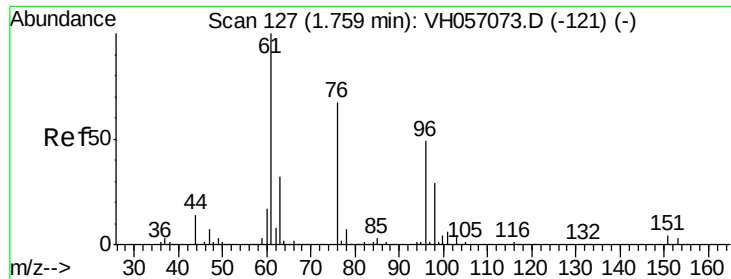
45 100

43 44.5 34.6 52.0

87 16.1 12.6 19.0

59 9.7 8.4 12.6





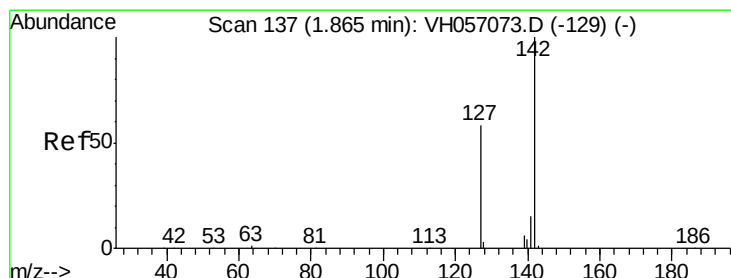
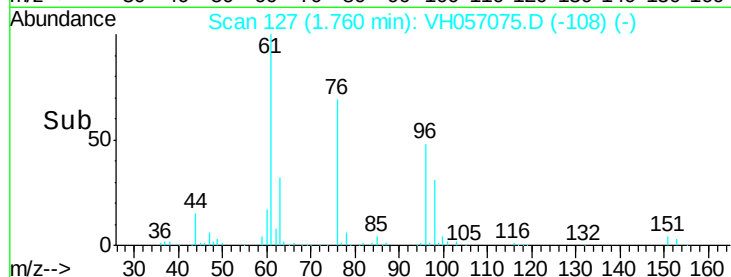
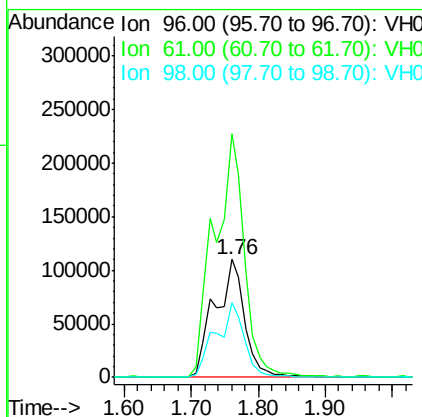
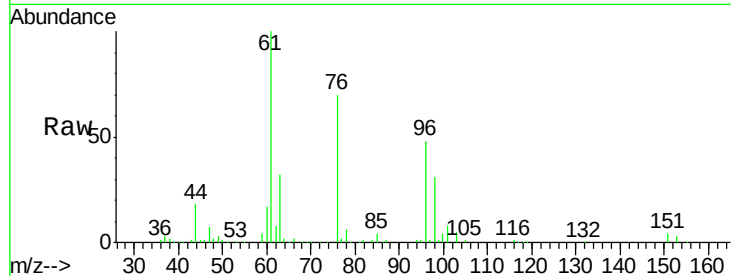
#11
 1,1-Dichloroethene
 Concen: 49.58 ug/l
 RT: 1.76 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion	Ratio	Lower	Upper
96	100		
61	206.7	158.4	237.6
98	63.4	50.6	75.8

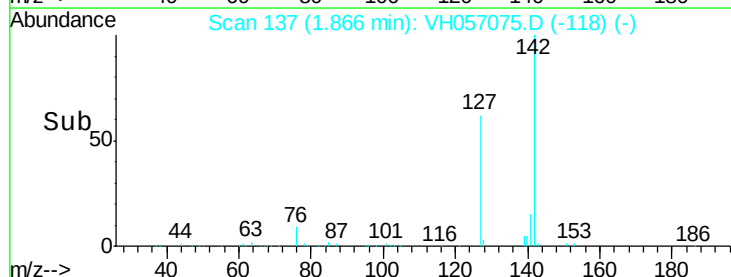
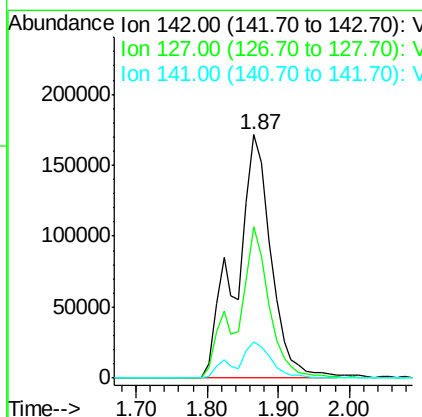
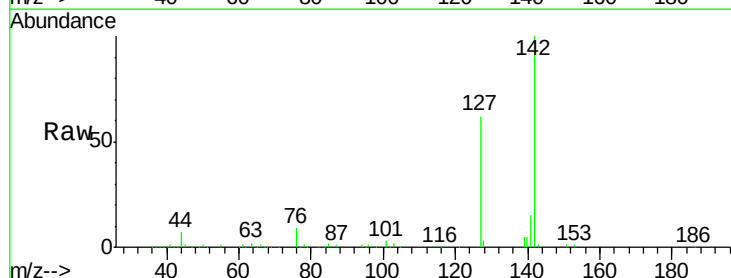
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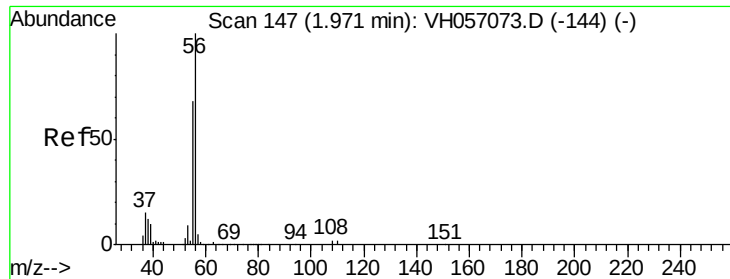
MMDadoda
 9/18/2015 3:41:19 PM



#12
 Methyl Iodide
 Concen: 48.20 ug/l m
 RT: 1.87 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	62.2	30.0	90.1
141	15.1	7.1	21.4





#13

Acrolein

Concen: 281.02 ug/l

RT: 1.97 min Scan# 147

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 56 Resp: 404589

Ion Ratio Lower Upper

56 100

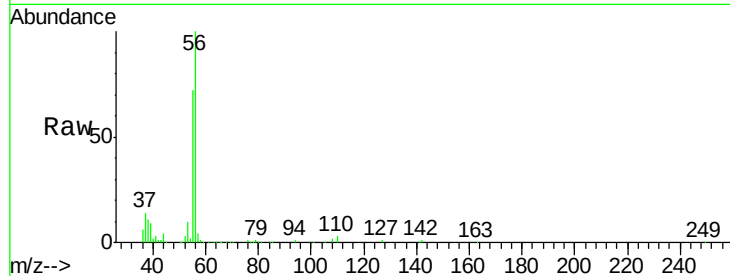
55 71.7 52.9 79.3

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Abundance Ion 56.00 (55.70 to 56.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

1.97

200000

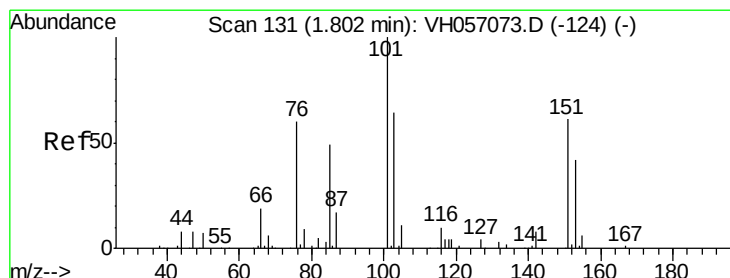
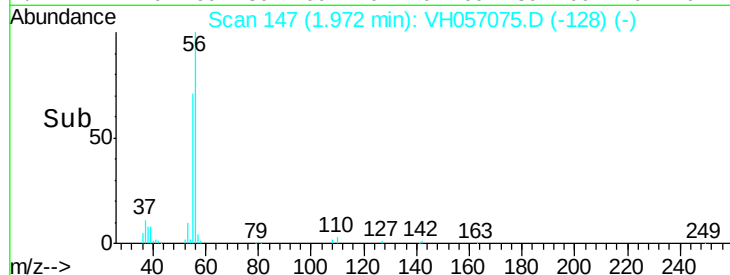
150000

100000

50000

0

Time-->



#14

1,1,2-Trichlorotrifluoroethane

Concen: 49.70 ug/l

RT: 1.80 min Scan# 131

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

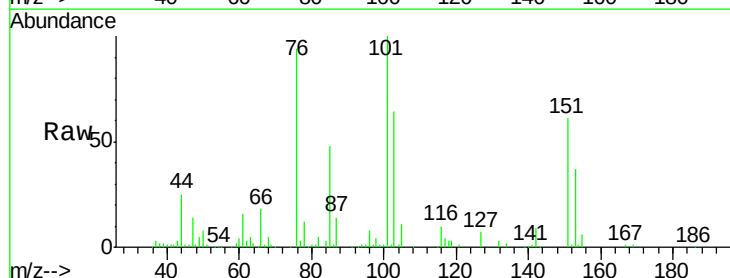
Tgt Ion:101 Resp: 335407

Ion Ratio Lower Upper

101 100

85 47.9 37.9 56.9

151 61.0 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VH0

Ion 151.00 (150.70 to 151.70): V

1.80

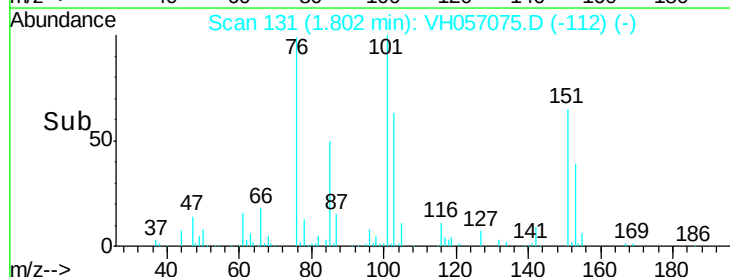
150000

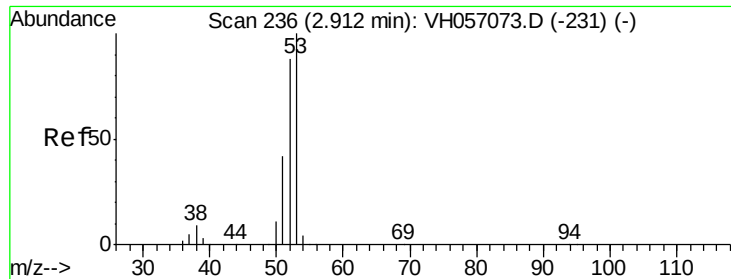
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 244.91 ug/l

RT: 2.91 min Scan# 236

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 53 Resp: 1075333

Ion Ratio Lower Upper

53 100

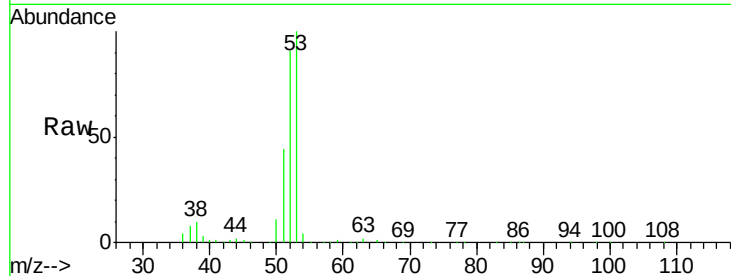
52 91.4 67.6 101.4

51 43.5 31.8 47.6

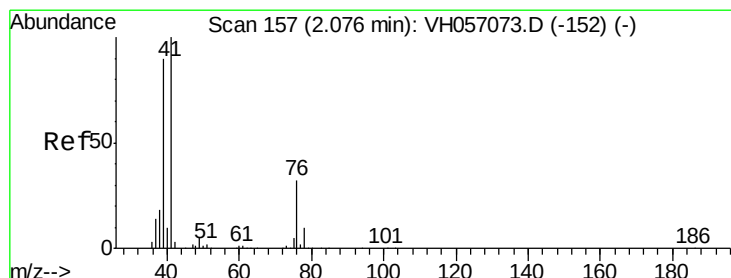
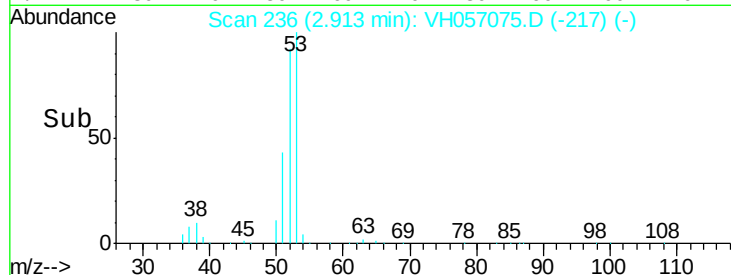
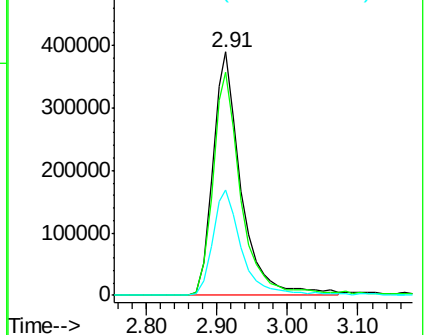
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Abundance Ion 53.00 (52.70 to 53.70): VH0
Ion 52.00 (51.70 to 52.70): VH0
Ion 51.00 (50.70 to 51.70): VH0



#16

Allyl Chloride

Concen: 50.96 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

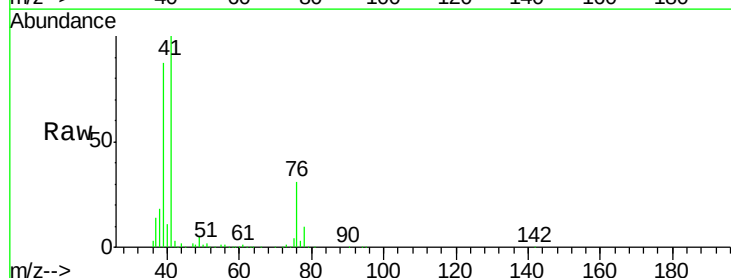
Tgt Ion: 41 Resp: 727742

Ion Ratio Lower Upper

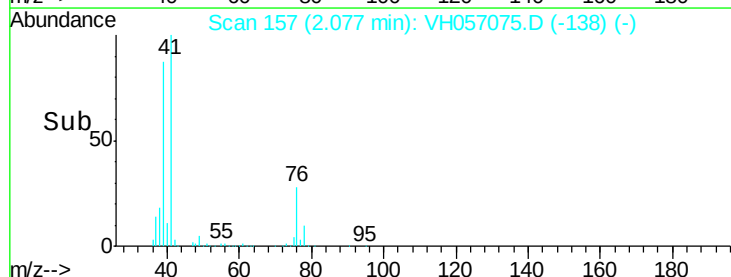
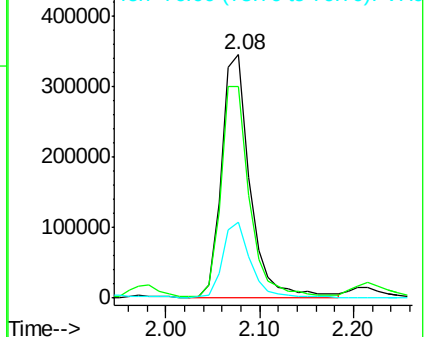
41 100

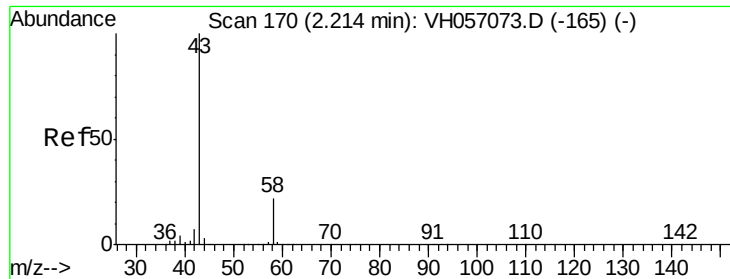
39 87.1 41.0 123.2

76 31.3 14.3 42.9



Abundance Ion 41.00 (40.70 to 41.70): VH0
Ion 39.00 (38.70 to 39.70): VH0
Ion 76.00 (75.70 to 76.70): VH0





#17

Acetone

Concen: 258.62 ug/l

RT: 2.22 min Scan# 170

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 43 Resp: 1425893

Ion Ratio Lower Upper

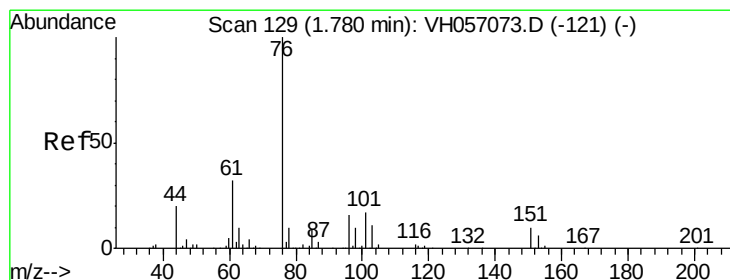
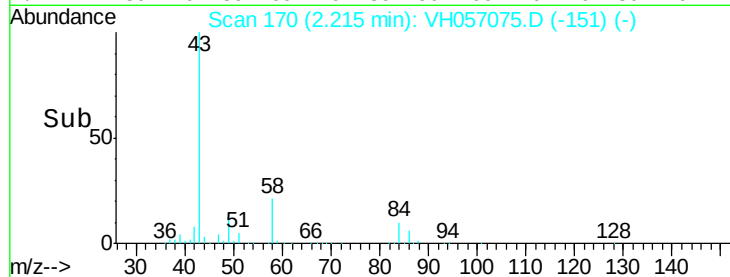
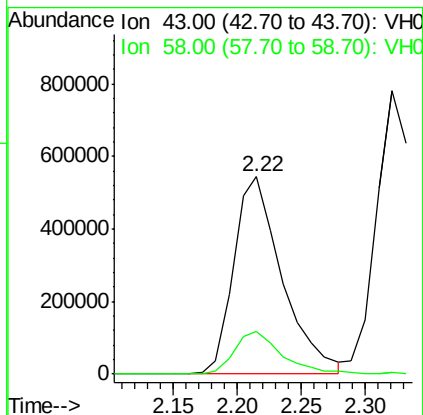
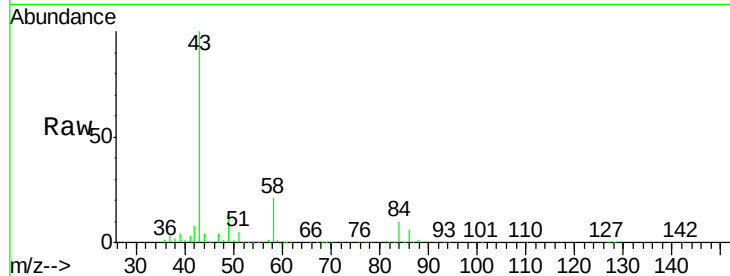
43 100

58 21.3 17.7 26.5

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#18

Carbon Disulfide

Concen: 47.91 ug/l

RT: 1.77 min Scan# 128

Delta R.T. -0.01 min

Lab File: VH057075.D

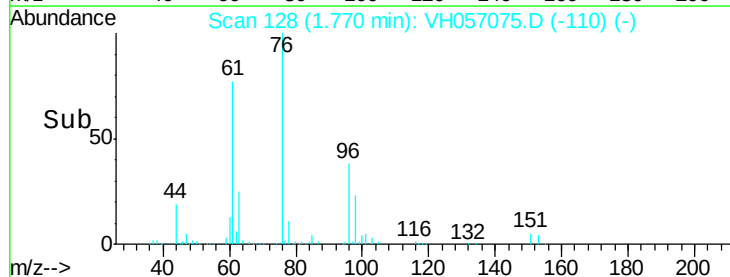
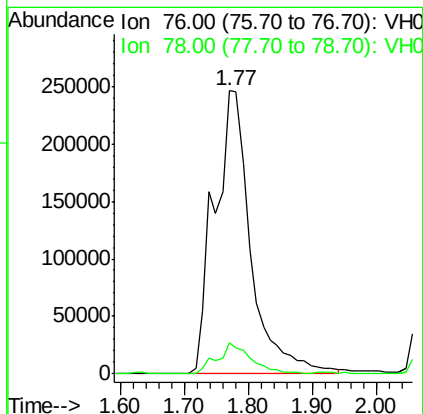
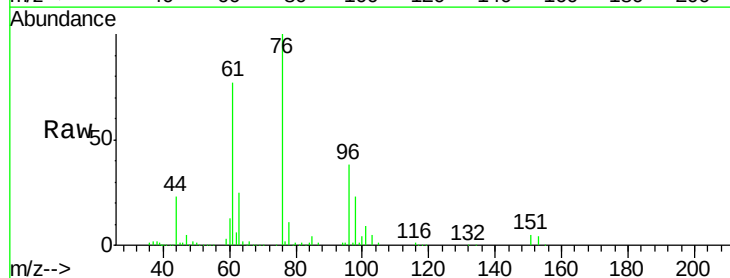
Acq: 17 Sep 2015 21:18

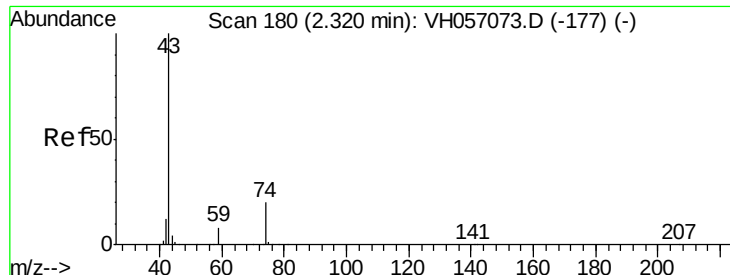
Tgt Ion: 76 Resp: 978702

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#





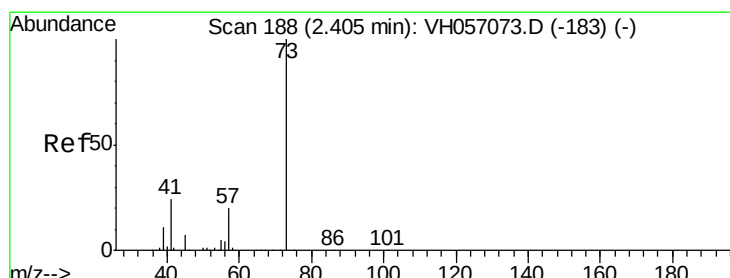
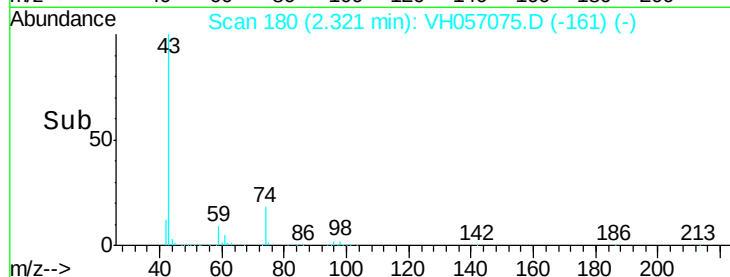
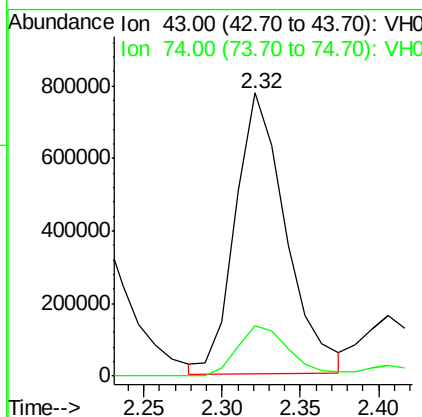
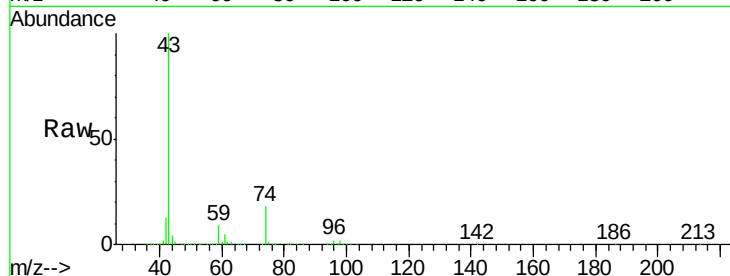
#19
Methyl Acetate
Concen: 49.92 ug/l
RT: 2.32 min Scan# 180
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion: 43 Resp: 1742234
Ion Ratio Lower Upper
43 100
74 17.9 13.3 24.7

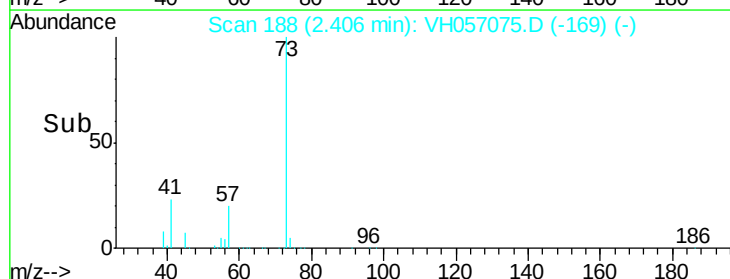
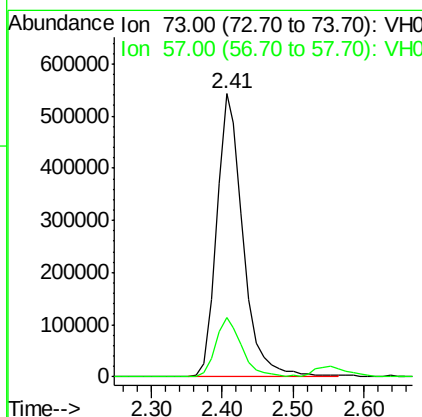
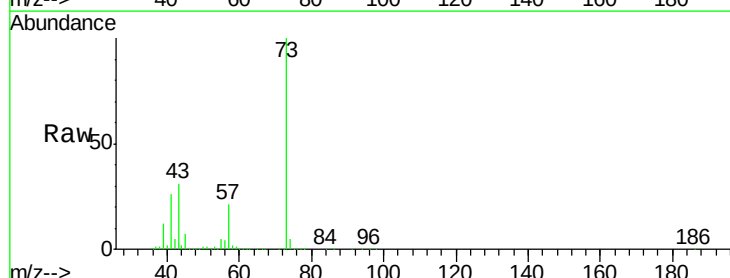
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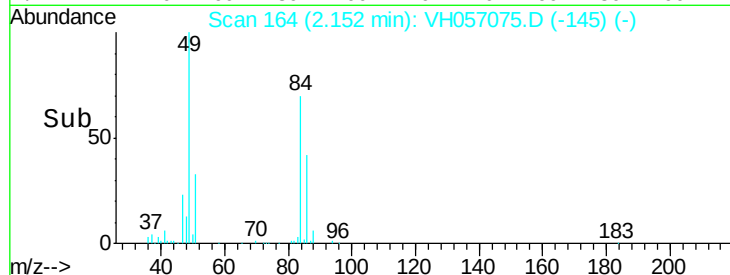
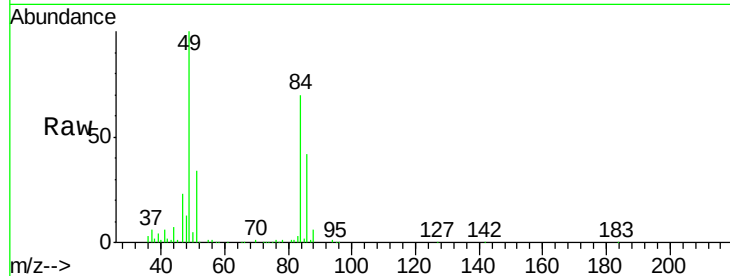
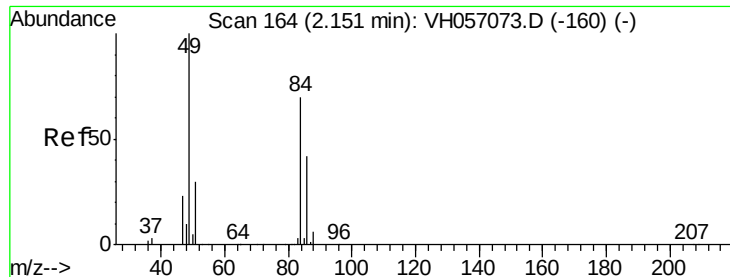
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#20
Methyl tert-butyl Ether
Concen: 50.70 ug/l
RT: 2.41 min Scan# 188
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion: 73 Resp: 1406150
Ion Ratio Lower Upper
73 100
57 20.9 18.0 27.0





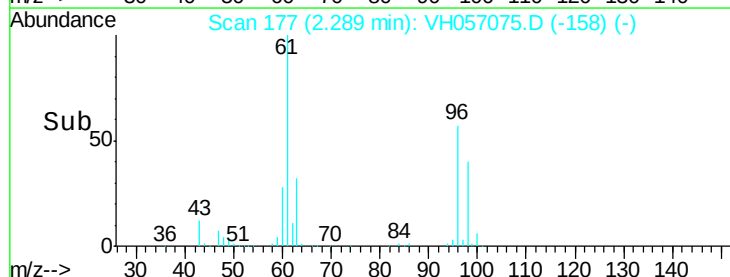
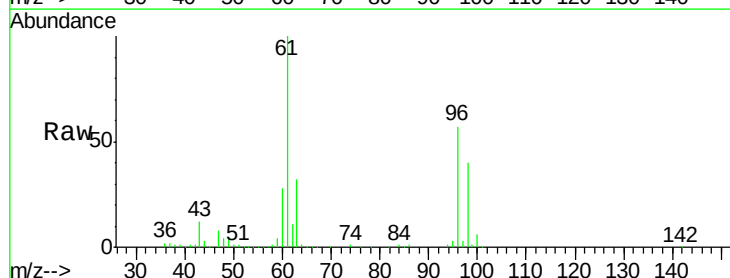
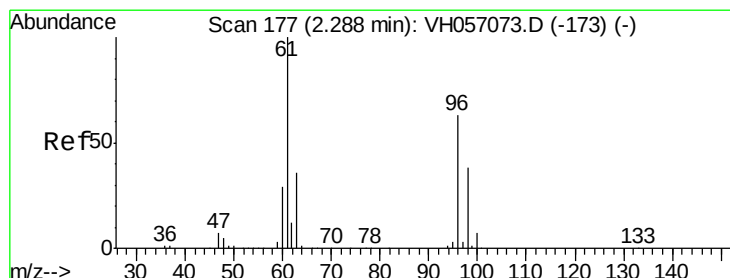
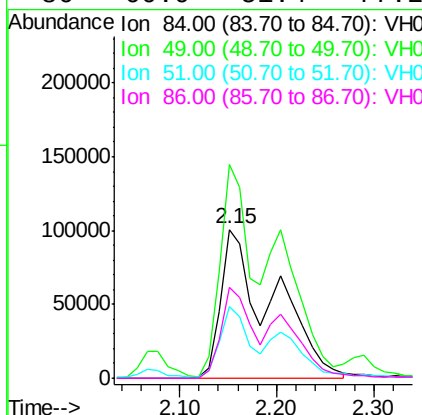
#21
Methylene Chloride
Concen: 49.03 ug/l m
RT: 2.15 min Scan# 164
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tot Ion:	84	Resp:	371626
Ion	Ratio	Lower	Upper
84	100		
49	143.4	132.8	199.2
51	48.3	39.5	59.3
86	60.9	51.4	77.2

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

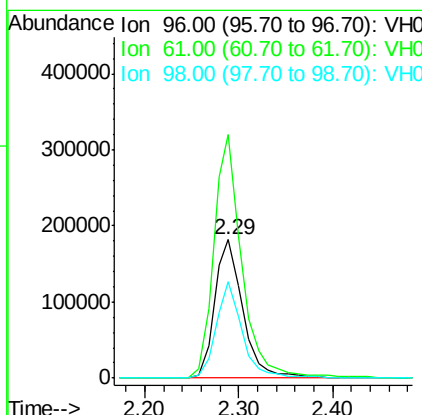
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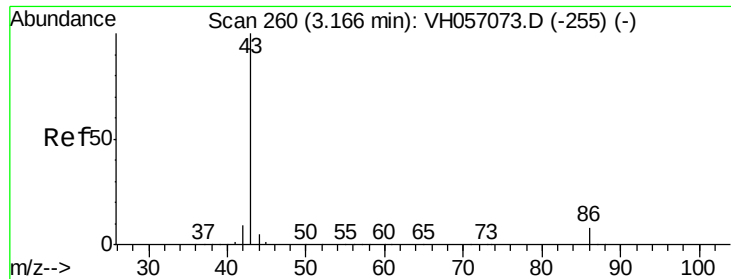
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 49.40 ug/l
RT: 2.29 min Scan# 177
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion:	96	Resp:	376206
Ion	Ratio	Lower	Upper
96	100		
61	176.1	131.7	197.5
98	70.1	49.5	74.3





#23

Vinyl Acetate

Concen: 246.65 ug/l

RT: 3.17 min Scan# 260

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 43 Resp: 3907715

Ion Ratio Lower Upper

43 100

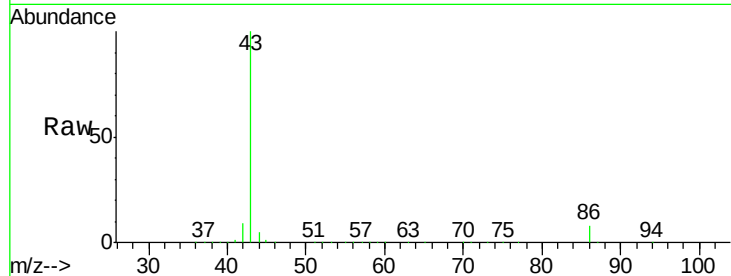
86 8.1 6.2 9.2

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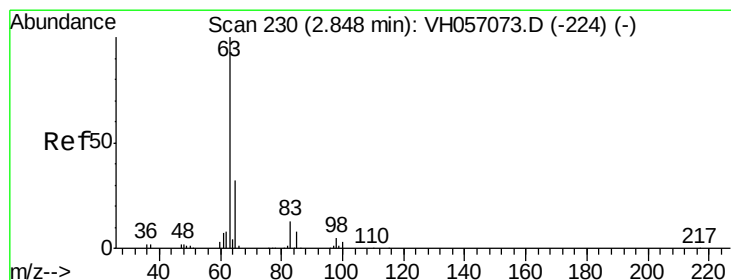
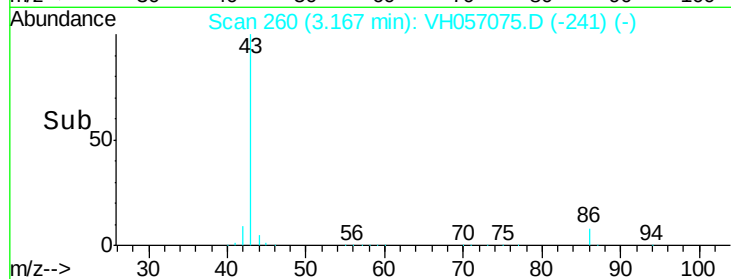
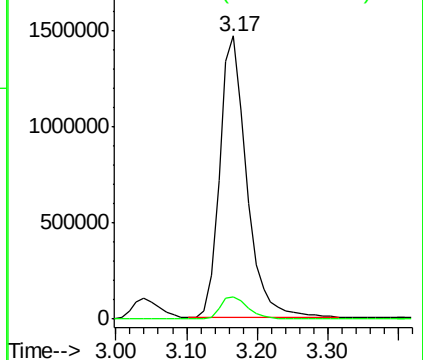
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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 86.00 (85.70 to 86.70): VH0



#24

1,1-Dichloroethane

Concen: 50.59 ug/l

RT: 2.85 min Scan# 230

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

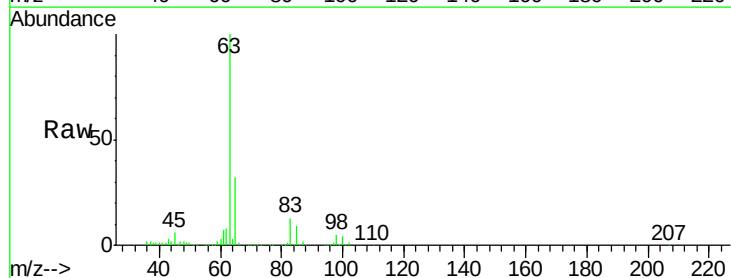
Tgt Ion: 63 Resp: 834043

Ion Ratio Lower Upper

63 100

98 5.1 2.6 7.8

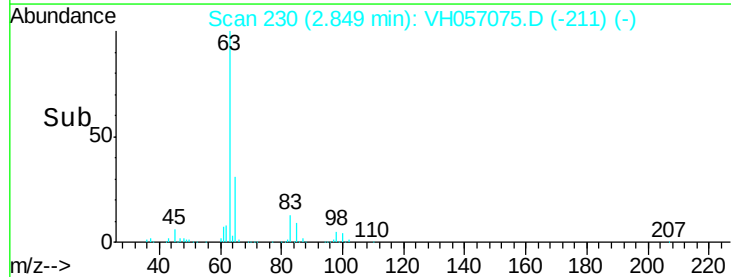
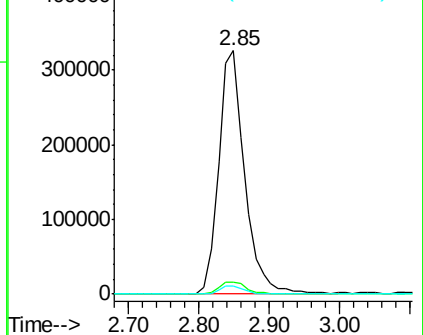
100 3.6 1.7 5.0

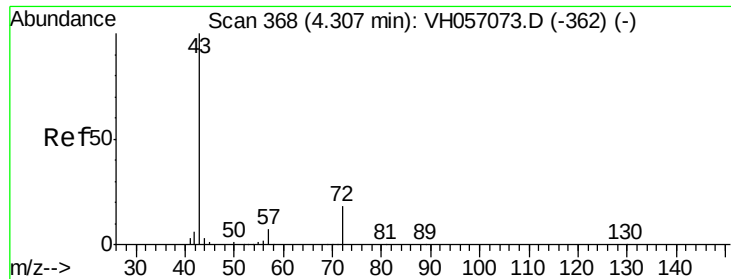


Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH0





#25

2-Butanone

Concen: 242.20 ug/l

RT: 4.31 min Scan# 368

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 43 Resp: 3016949

Ion Ratio Lower Upper

43 100

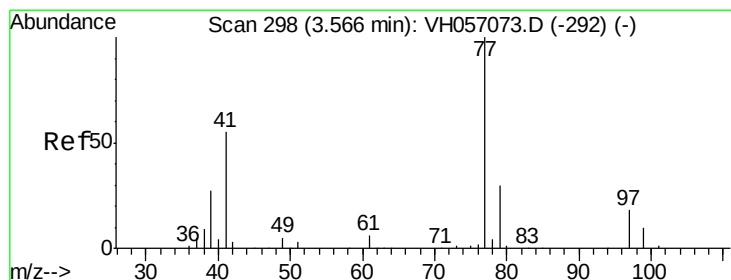
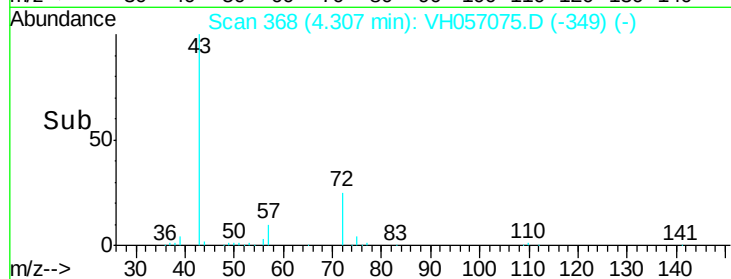
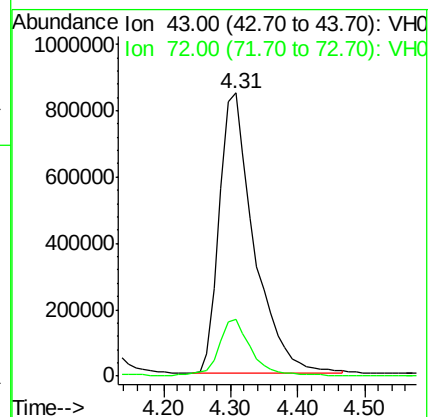
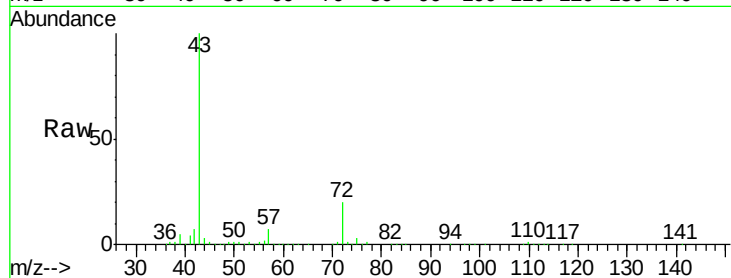
72 20.2 0.0 39.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.91 ug/l

RT: 3.57 min Scan# 298

Delta R.T. 0.00 min

Lab File: VH057075.D

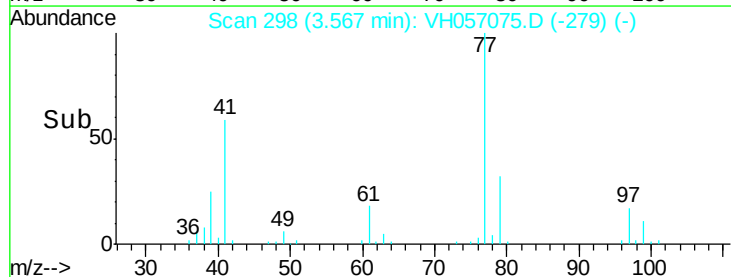
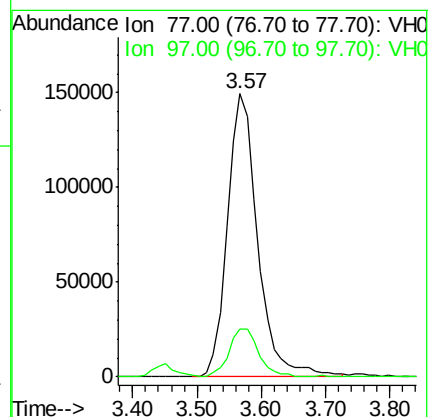
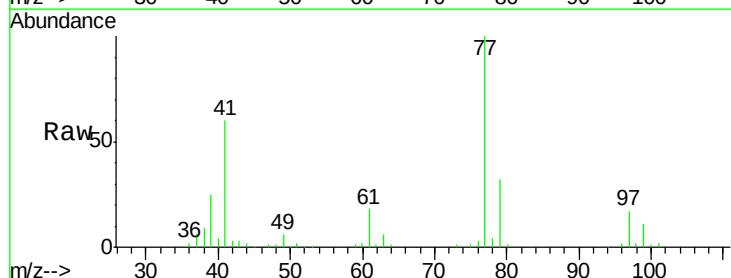
Acq: 17 Sep 2015 21:18

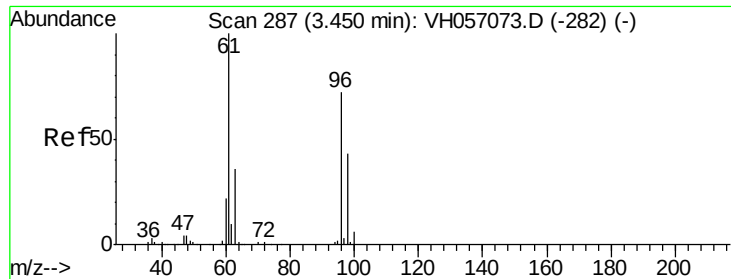
Tgt Ion: 77 Resp: 485435

Ion Ratio Lower Upper

77 100

97 17.0 8.8 26.4





#27

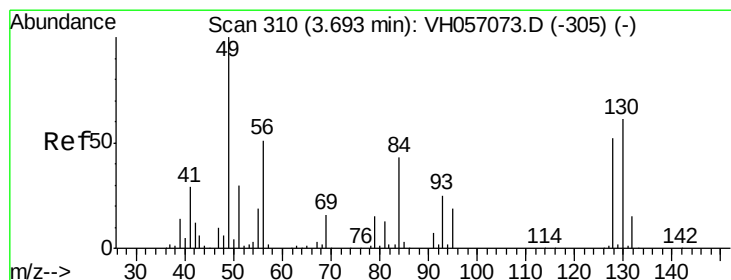
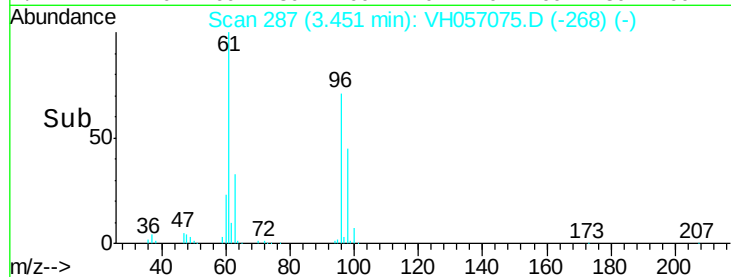
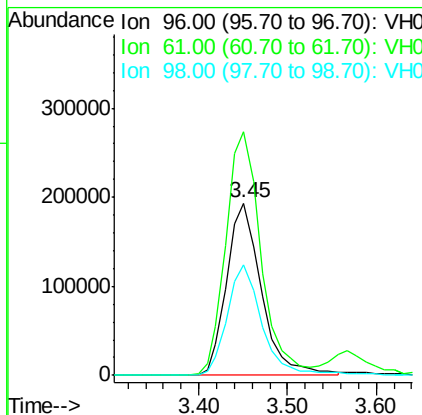
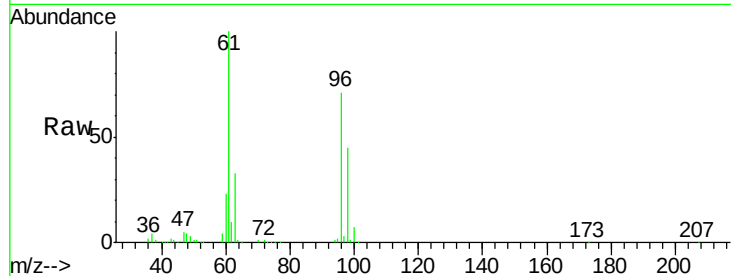
cis-1,2-Dichloroethene
Concen: 49.69 ug/l
RT: 3.45 min Scan# 287
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.4	173.0
98	64.1	49.7	74.5

Manual Integrations
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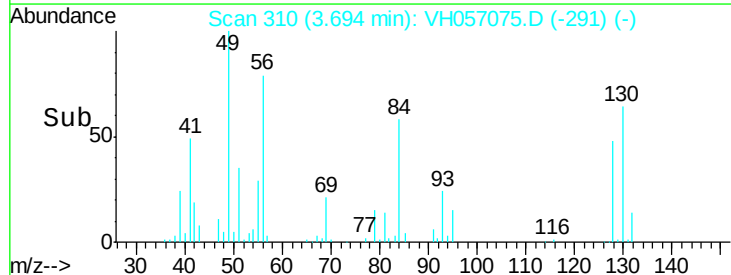
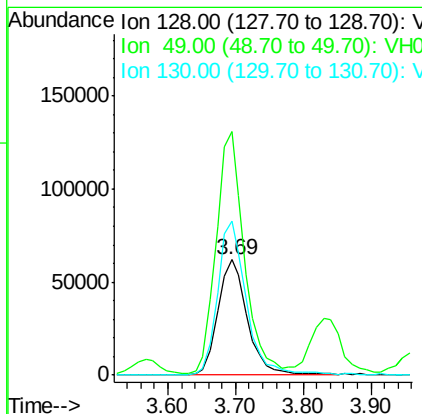
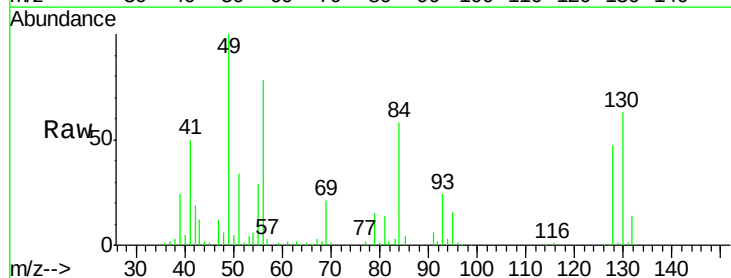
MMDadoda
9/18/2015 3:41:19 PM

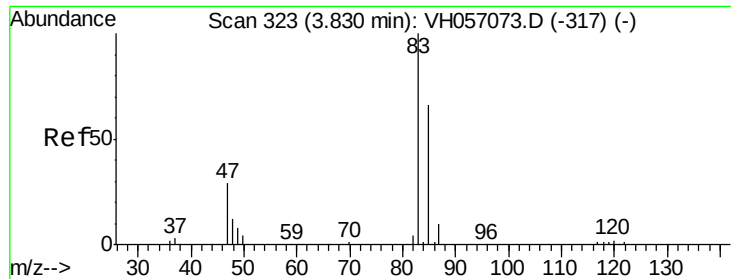


#28

Bromochloromethane
Concen: 53.32 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	211.4	0.0	441.4
130	133.3	100.7	151.1





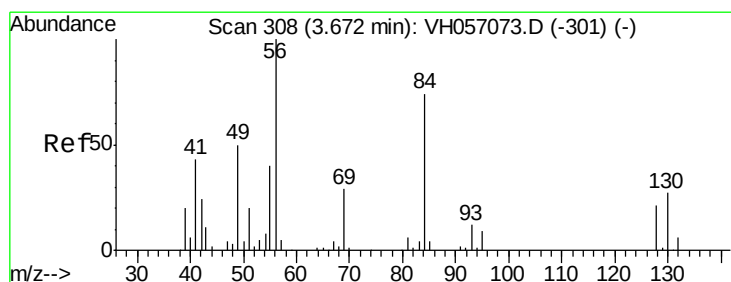
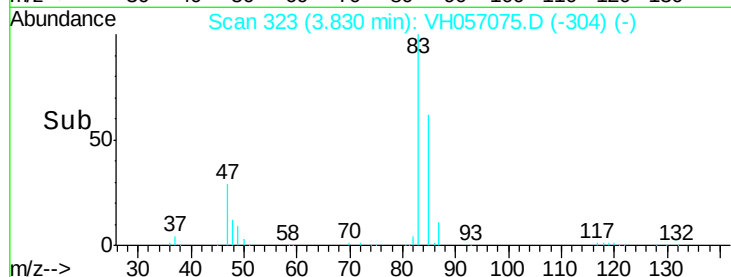
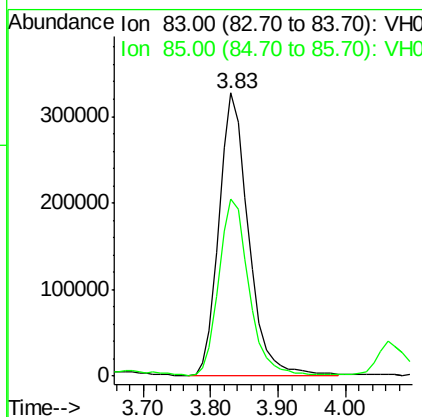
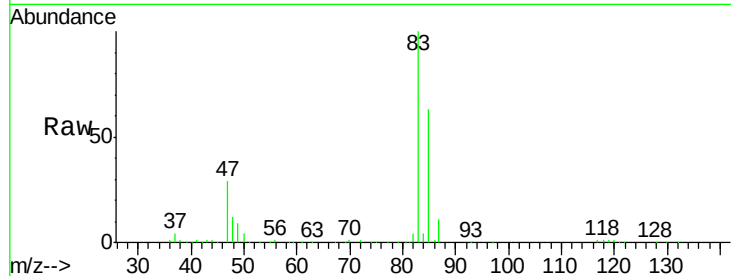
#29
Chloroform
Concen: 51.13 ug/l
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	83	Resp	996283
Ion Ratio	100	Lower	Upper
85	62.6	54.3	81.5

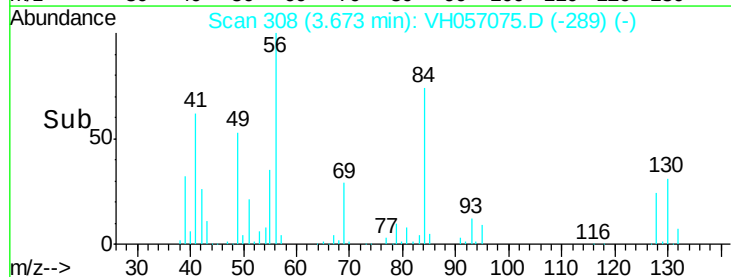
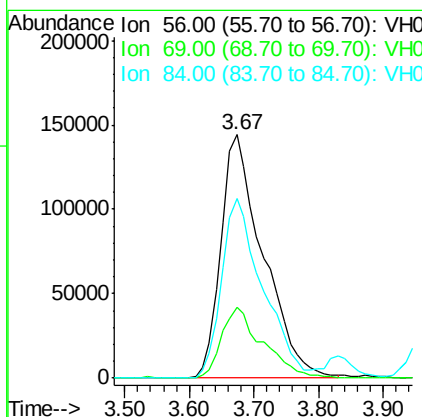
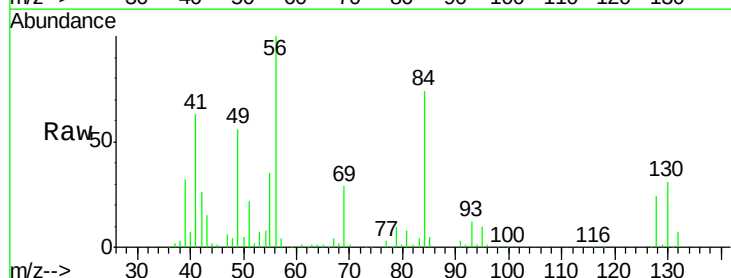
Manual Integrations
APPROVED

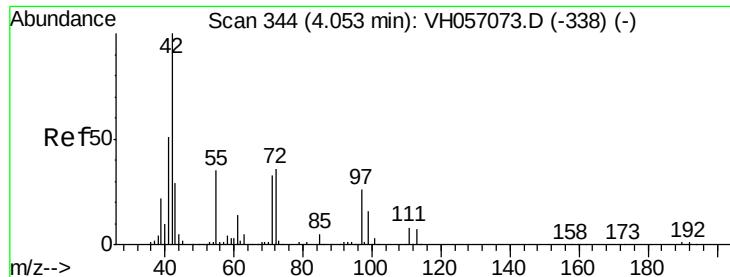
MMDadoda
9/18/2015 3:41:19 PM



#30
Cyclohexane
Concen: 49.64 ug/l
RT: 3.67 min Scan# 308
Delta R.T. 0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	56	Resp	655577
Ion Ratio	100	Lower	Upper
69	29.3	18.1	33.7
84	74.0	0.0	136.8





#31

Tetrahydrofuran

Concen: 251.55 ug/l

RT: 4.04 min Scan# 343

Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 42 Resp: 1758789

Ion Ratio Lower Upper

42 100

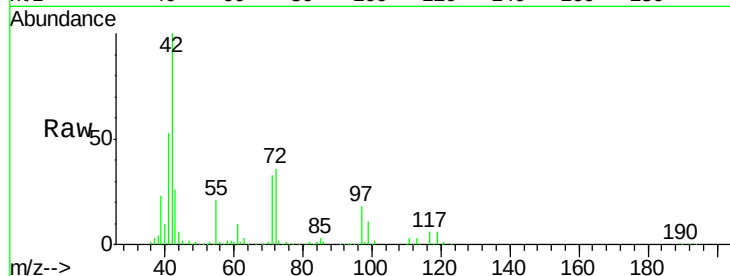
72 35.0 25.5 38.3

71 34.1 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

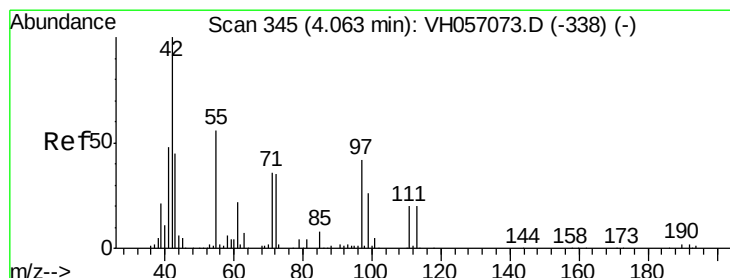
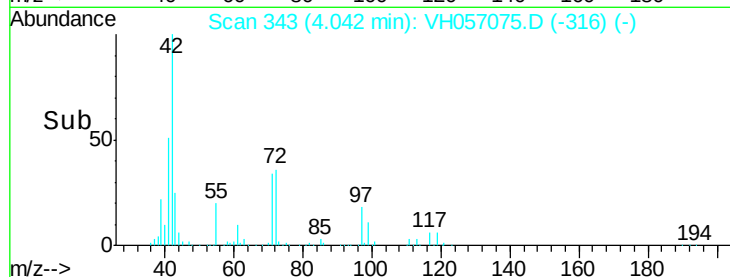
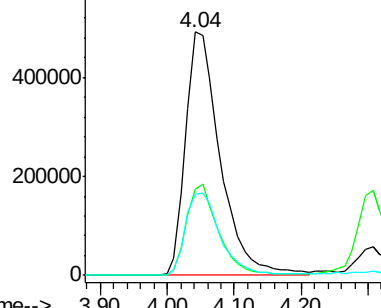
9/18/2015 3:41:19 PM



Abundance Ion 42.00 (41.70 to 42.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

Ion 71.00 (70.70 to 71.70): VH0



#32

1,1,1-Trichloroethane

Concen: 45.92 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

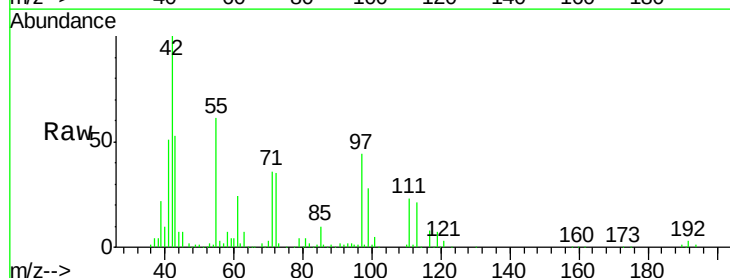
Tgt Ion: 97 Resp: 644200

Ion Ratio Lower Upper

97 100

99 64.1 49.8 74.6

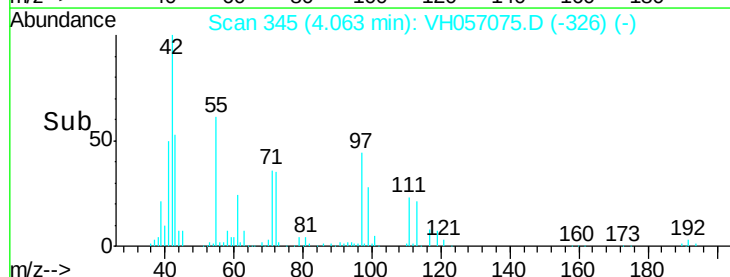
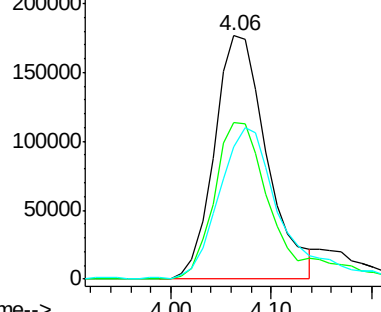
61 54.5 45.0 67.4

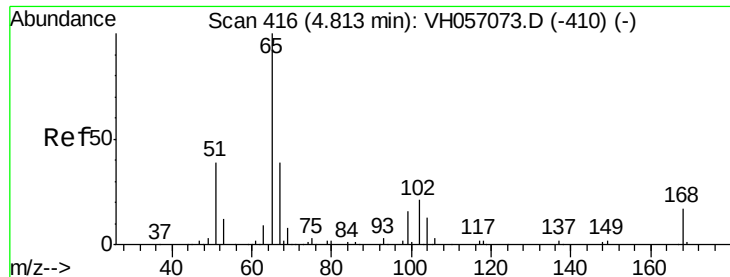


Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 99.00 (98.70 to 99.70): VH0

Ion 61.00 (60.70 to 61.70): VH0





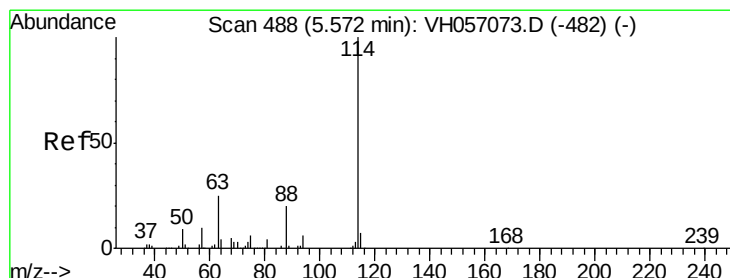
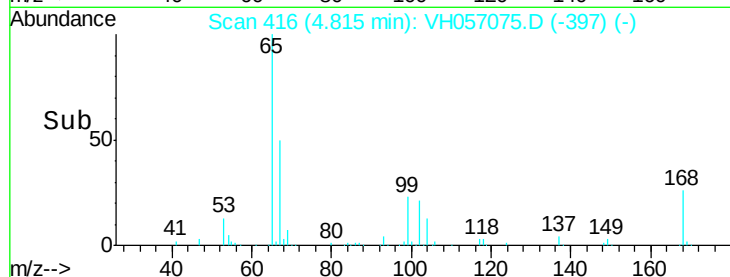
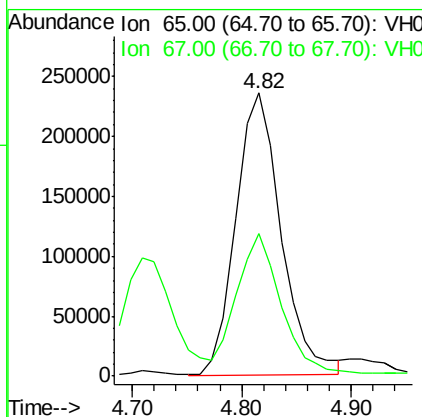
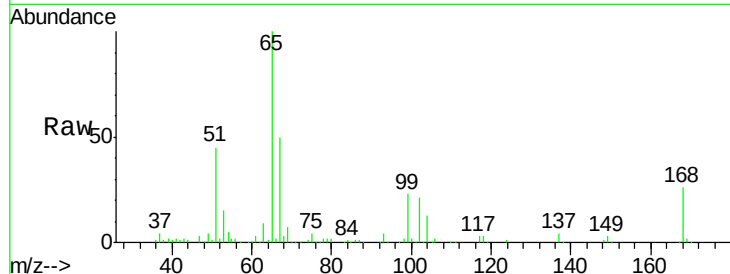
#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 4.82 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampled :
 ICVVH091715

Tot Ion: 65 Resp: 670424
 Ion Ratio Lower Upper
 65 100
 67 50.2 43.2 64.8

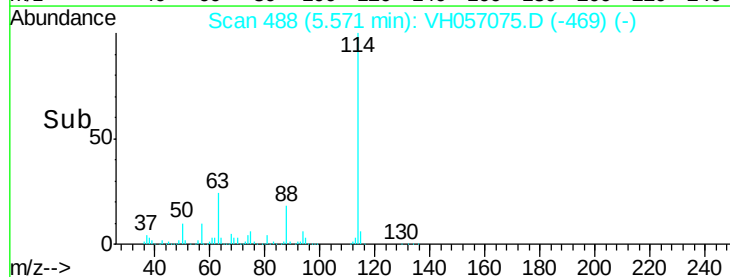
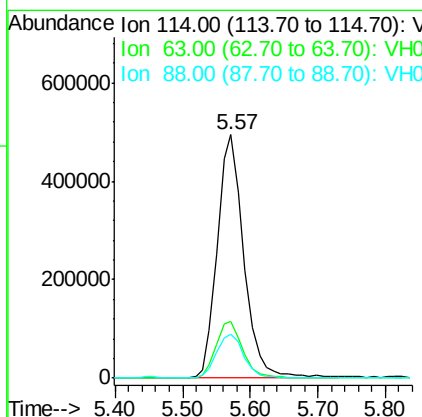
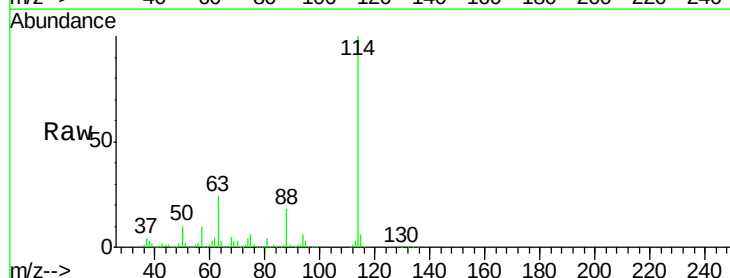
Manual Integrations
 APPROVED

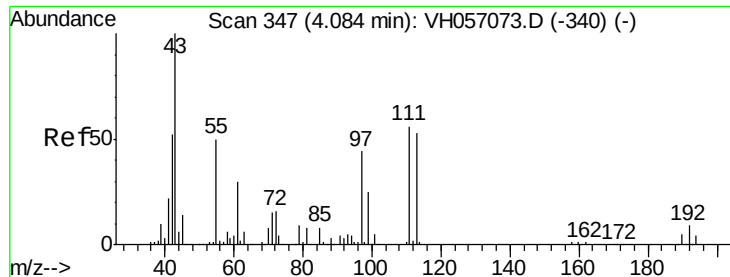
MMDadoda
 9/18/2015 3:41:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion:114 Resp: 1342372
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.0 28.4
 88 17.9 15.7 23.5





#35

Dibromofluoromethane

Concen: 50.05 ug/l

RT: 4.08 min Scan# 347

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

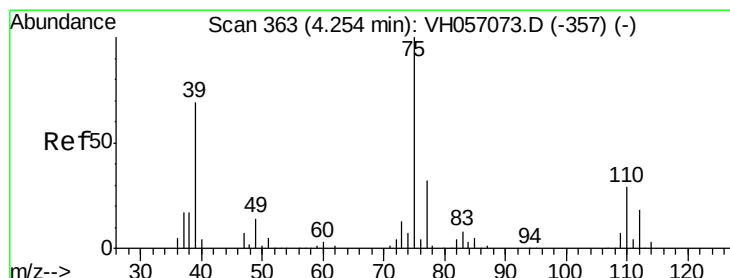
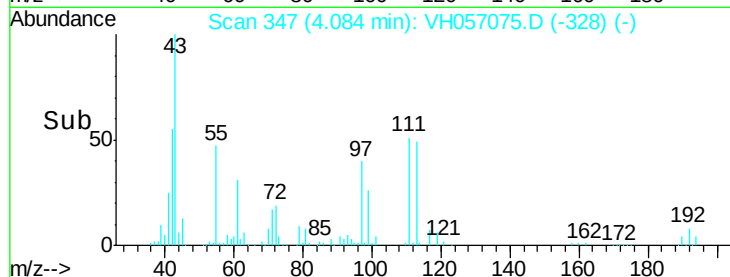
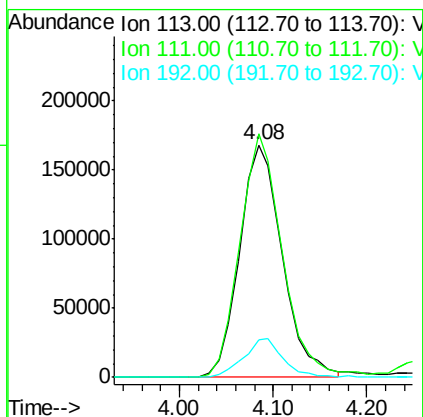
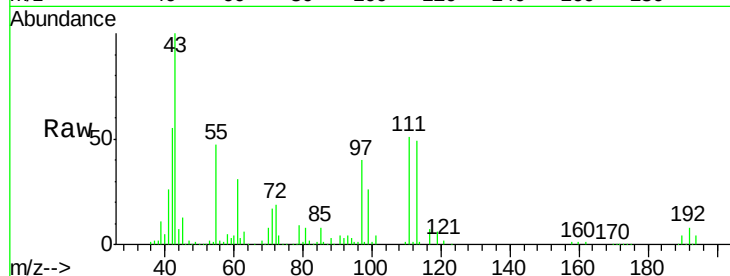
ClientSampleId :

ICVVH091715

Tot Ion:	113	Resp:	534895
Ion Ratio	Lower	Upper	
113	100		
111	104.7	84.0	126.0
192	15.9	13.6	20.4

Manual Integrations
APPROVED

MMDadoda
9/18/2015 3:41:19 PM



#36

1,1-Dichloropropene

Concen: 51.35 ug/l

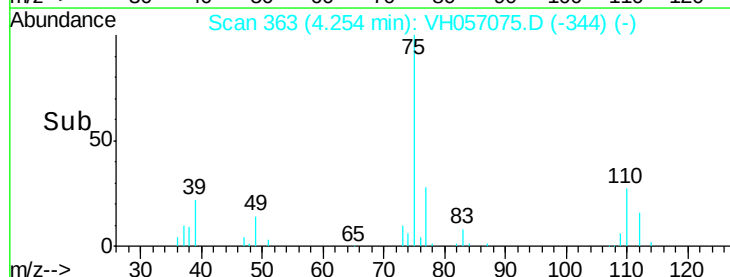
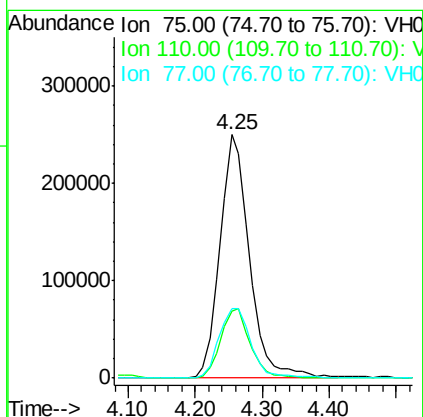
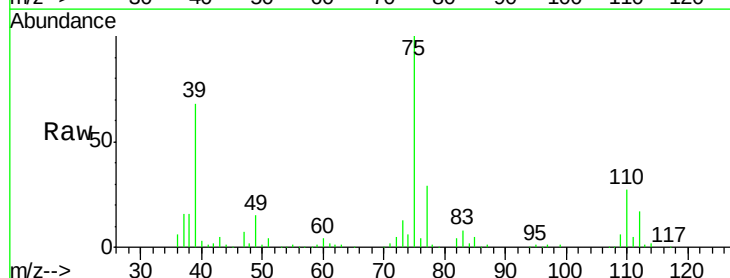
RT: 4.25 min Scan# 363

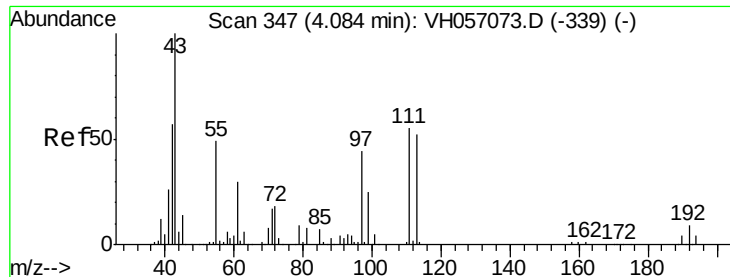
Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion:	75	Resp:	757334
Ion Ratio	Lower	Upper	
75	100		
110	27.3	13.7	41.1
77	28.5	24.0	36.0





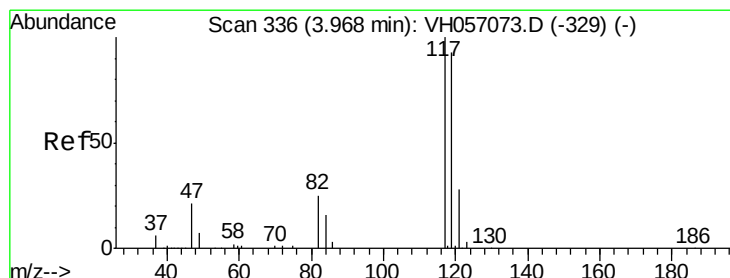
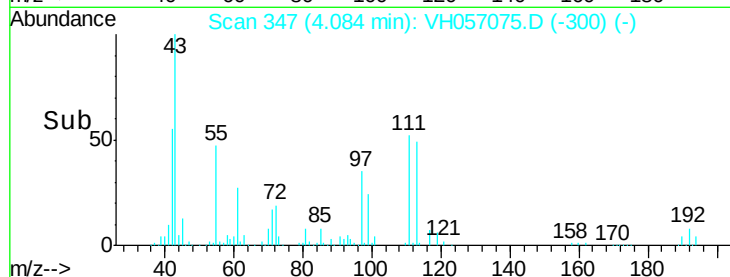
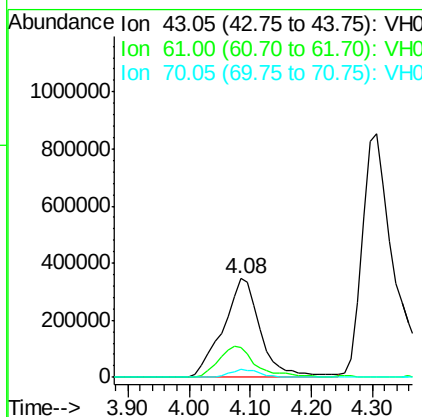
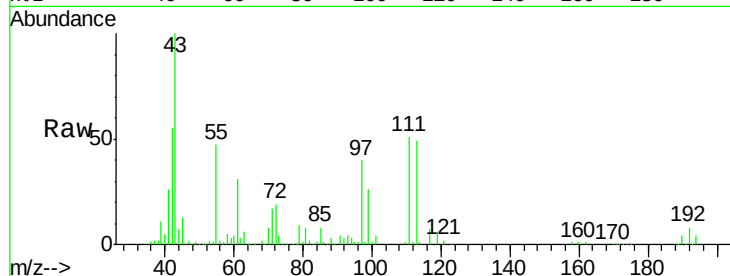
#37
Ethyl acetate
Concen: 51.97 ug/l
RT: 4.08 min Scan# 347
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion: 43 Resp: 1439149
Ion Ratio Lower Upper
43 100
61 32.6 23.9 35.9
70 6.5 5.4 8.0

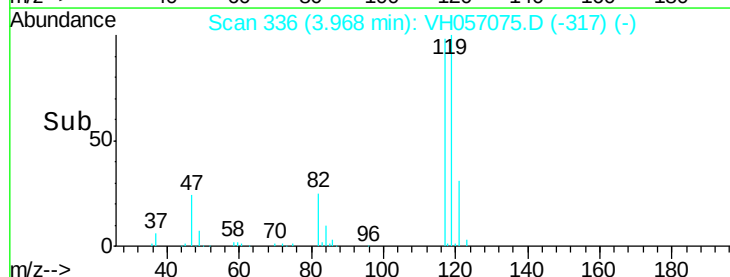
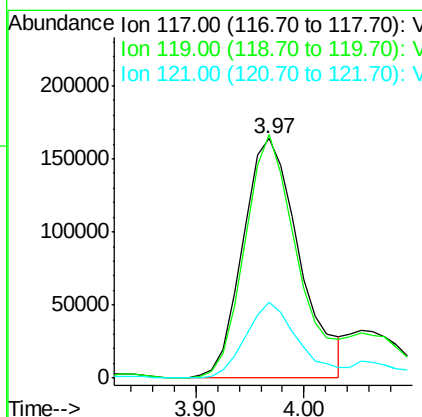
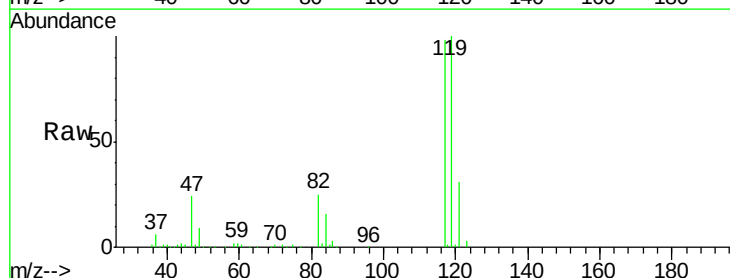
Manual Integrations
APPROVED

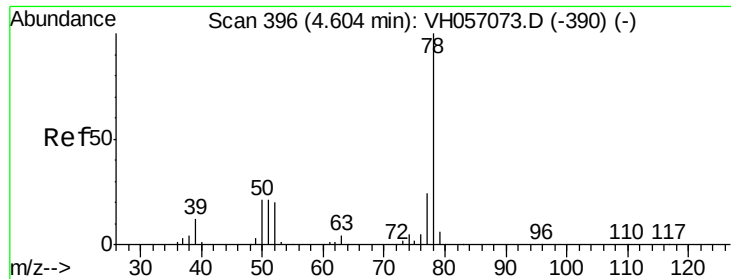
MMDadoda
9/18/2015 3:41:19 PM



#38
Carbon Tetrachloride
Concen: 51.47 ug/l
RT: 3.97 min Scan# 336
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion: 117 Resp: 591112
Ion Ratio Lower Upper
117 100
119 101.6 78.7 118.1
121 31.6 25.9 38.9





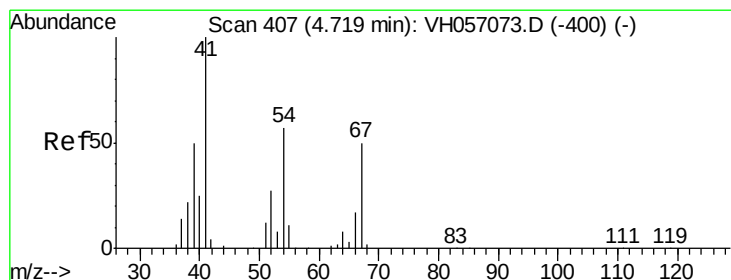
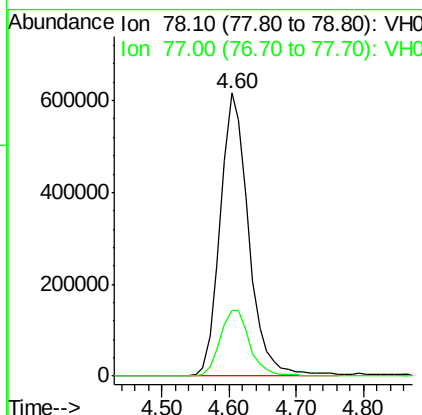
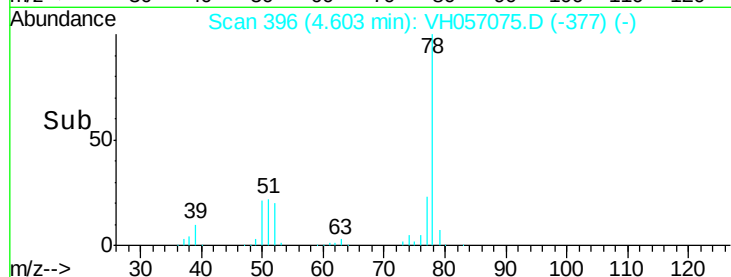
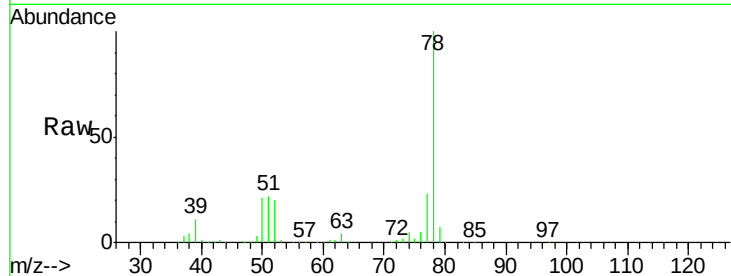
#39
Benzene
Concen: 51.50 ug/l
RT: 4.60 min Scan# 396
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion: 78 Resp: 1808773
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7

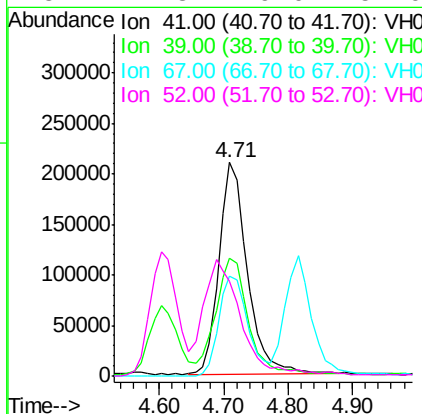
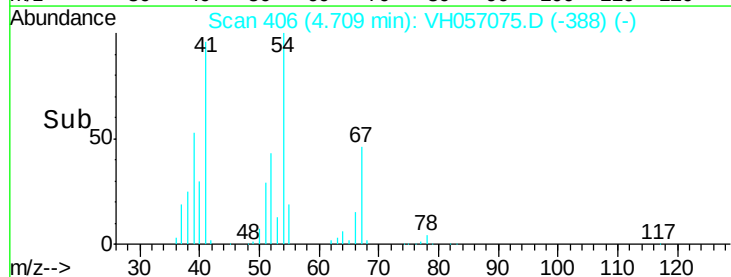
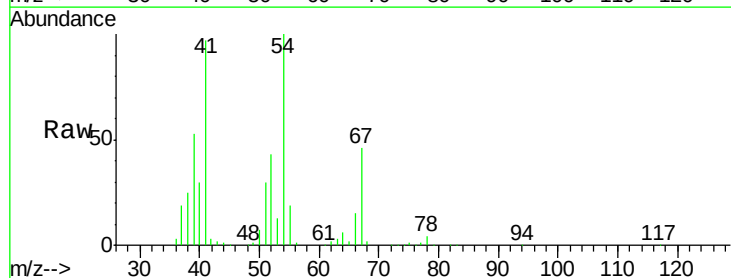
Manual Integrations
APPROVED

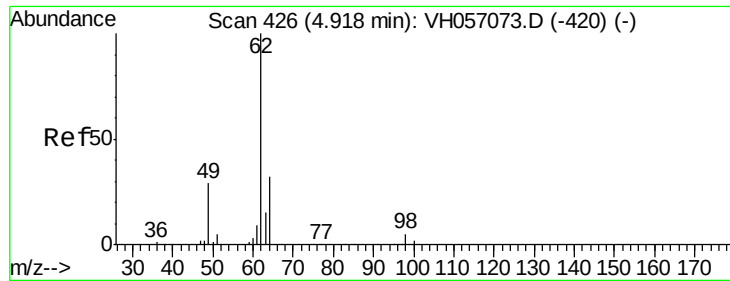
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#40
Methacrylonitrile
Concen: 51.93 ug/l
RT: 4.71 min Scan# 406
Delta R.T. -0.01 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion: 41 Resp: 636361
Ion Ratio Lower Upper
41 100
39 54.9 25.1 75.2
67 46.8 22.5 67.5
52 44.3 19.0 57.0





#41

1,2-Dichloroethane

Concen: 51.36 ug/l

RT: 4.91 min Scan# 425

Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 62 Resp: 796162

Ion Ratio Lower Upper

62 100

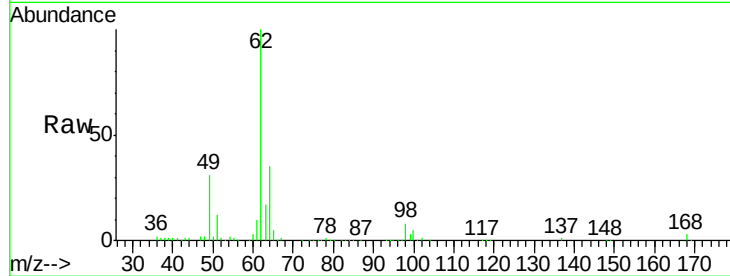
98 8.4 7.3 10.9

Manual Integrations

APPROVED

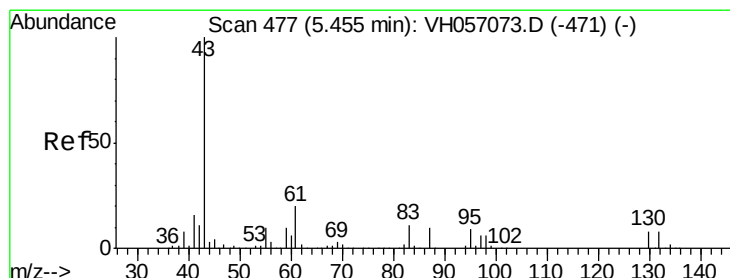
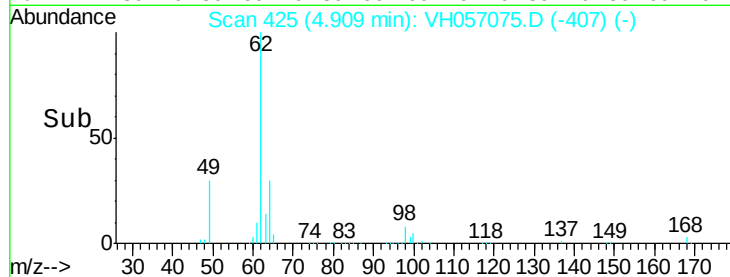
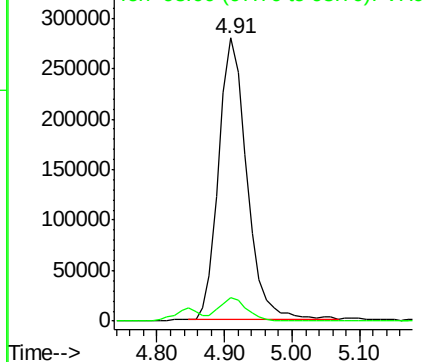
MMDadoda

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Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 98.00 (97.70 to 98.70): VH0



#42

Isopropyl Acetate

Concen: 50.59 ug/l

RT: 5.46 min Scan# 477

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

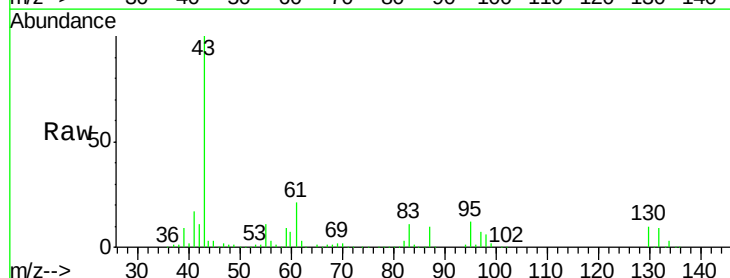
Tgt Ion: 43 Resp: 1828993

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.6

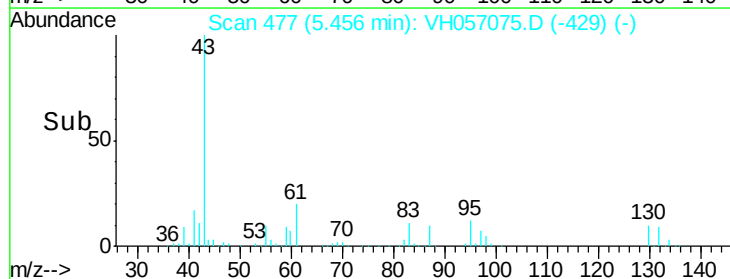
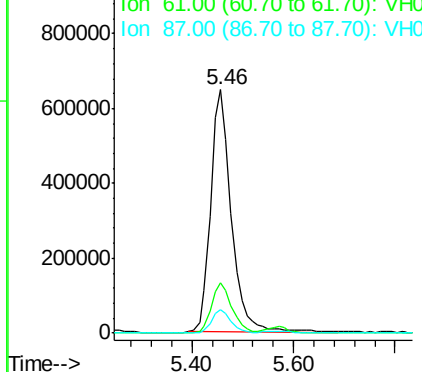
87 9.6 7.0 10.6

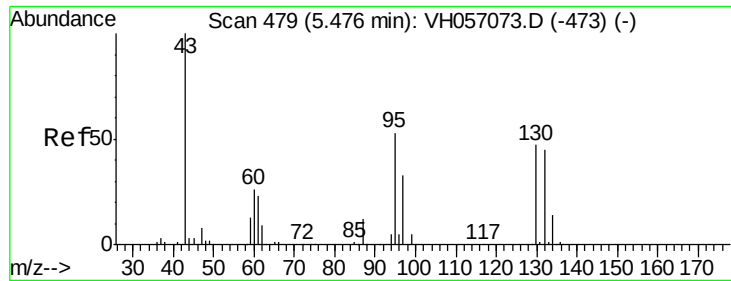


Abundance Ion 43.05 (42.75 to 43.75): VH0

Ion 61.00 (60.70 to 61.70): VH0

Ion 87.00 (86.70 to 87.70): VH0





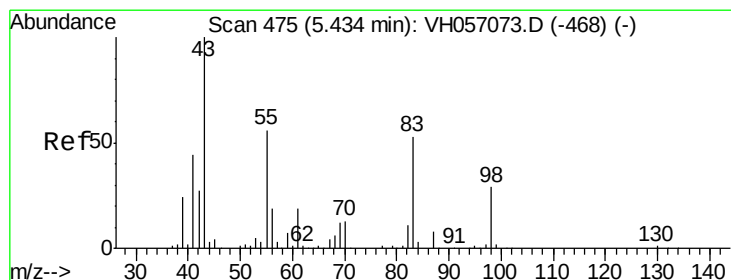
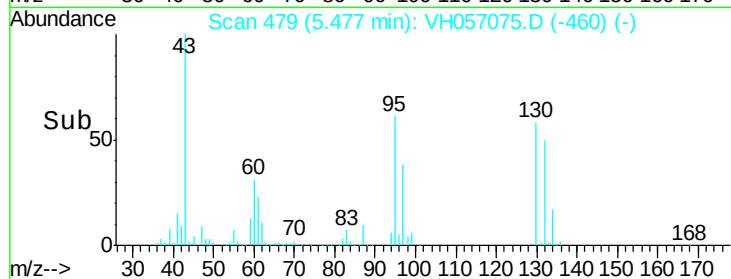
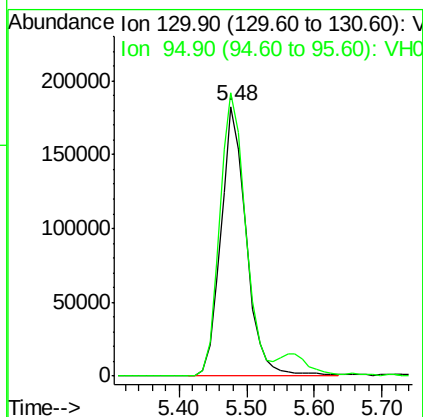
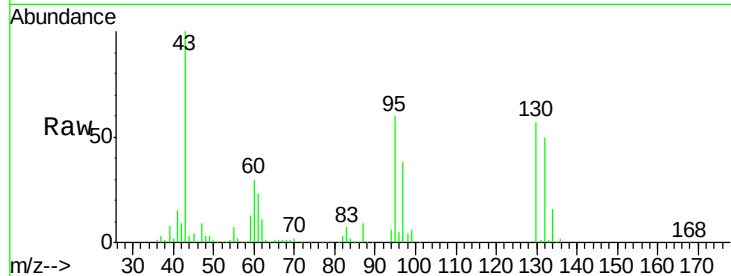
#43
 Trichloroethene
 Concen: 53.17 ug/l
 RT: 5.48 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion:130 Resp: 474516
 Ion Ratio Lower Upper
 130 100
 95 105.0 84.0 126.0

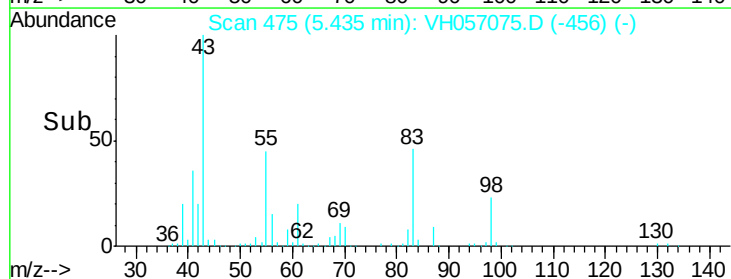
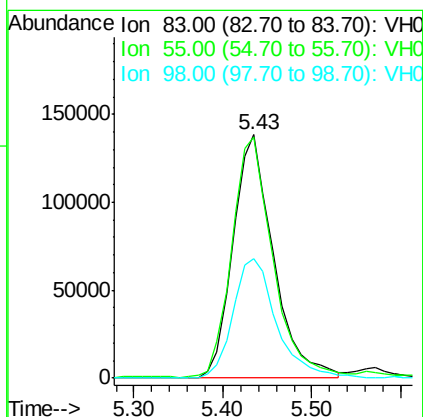
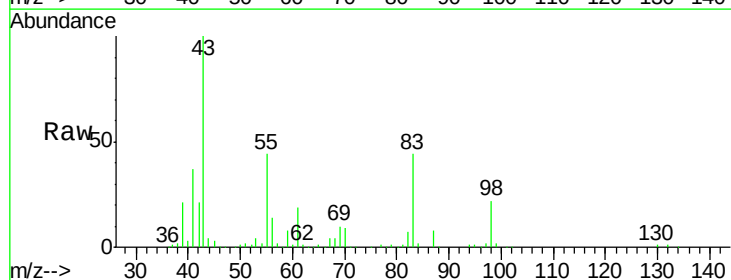
Manual Integrations
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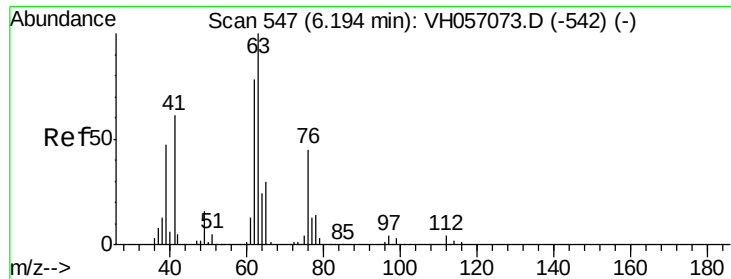
MMDadoda
 9/18/2015 3:41:19 PM



#44
 Methylcyclohexane
 Concen: 51.99 ug/l
 RT: 5.43 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion: 83 Resp: 441952
 Ion Ratio Lower Upper
 83 100
 55 99.2 0.0 207.2
 98 49.1 0.0 108.4





#45

1,2-Dichloropropane

Concen: 52.08 ug/l

RT: 6.20 min Scan# 548

Delta R.T. 0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 63 Resp: 579893

Ion Ratio Lower Upper

63 100

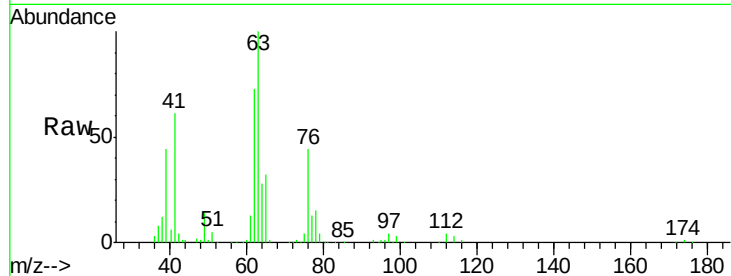
65 32.0 23.8 35.8

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 65.00 (64.70 to 65.70): VH0

250000

200000

150000

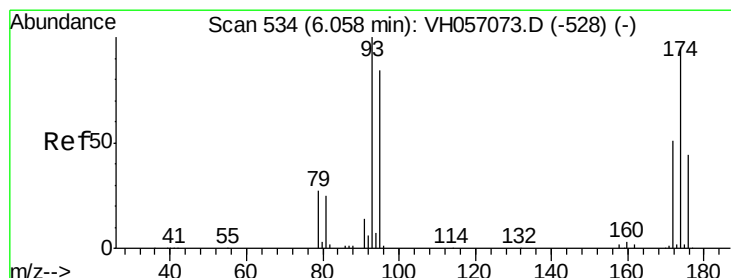
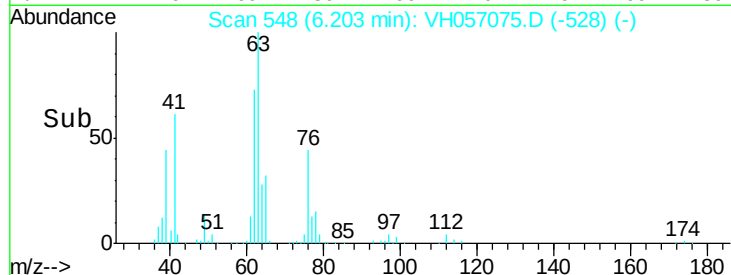
100000

50000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 50.93 ug/l

RT: 6.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

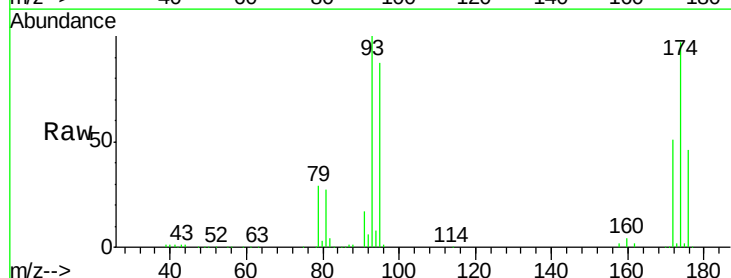
Tgt Ion: 93 Resp: 368794

Ion Ratio Lower Upper

93 100

95 87.1 69.5 104.3

174 96.8 75.8 113.6



Abundance Ion 93.00 (92.70 to 93.70): VH0

Ion 95.00 (94.70 to 95.70): VH0

Ion 174.00 (173.70 to 174.70): V

150000

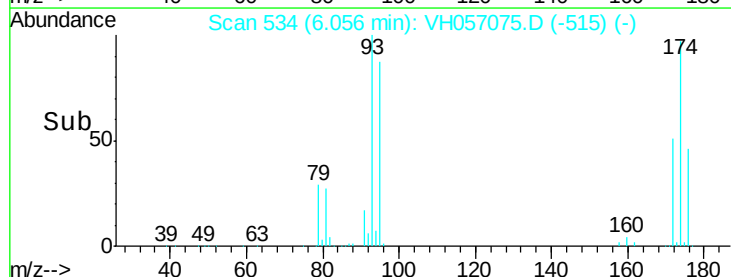
100000

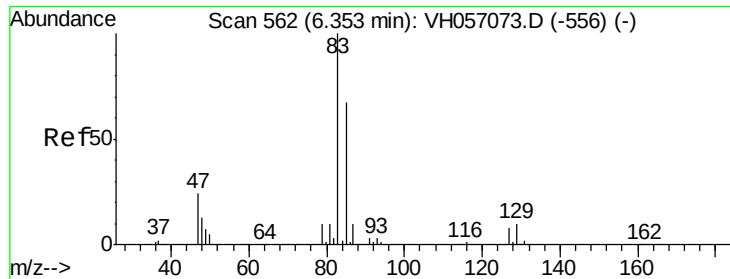
50000

0

5.90 6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 52.67 ug/l

RT: 6.35 min Scan# 562

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

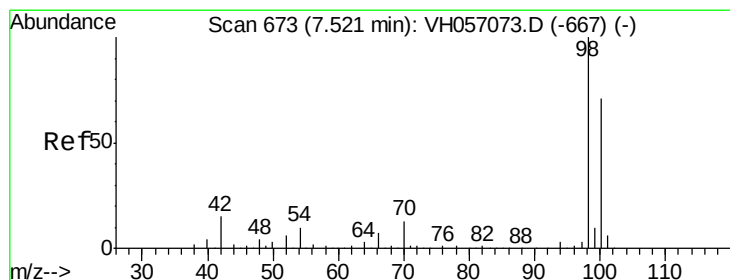
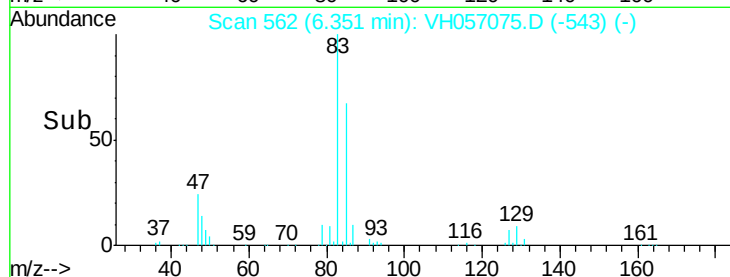
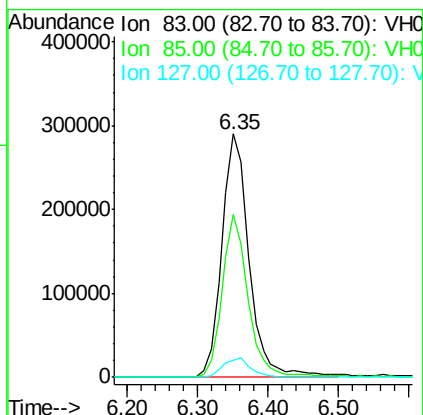
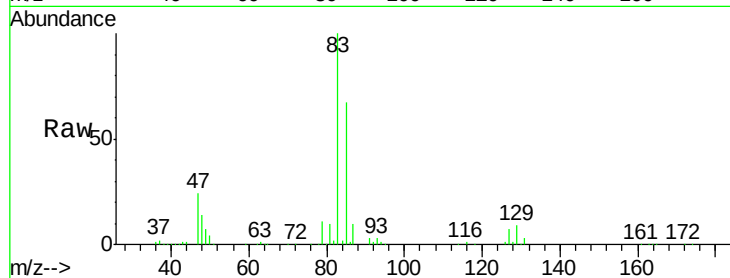
ClientSampleId :

ICVVH091715

Tot Ion:	83	Resp:	781199
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8
127	7.1	6.8	10.2

Manual Integrations
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MMDadoda
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#48

Toluene-d8

Concen: 49.89 ug/l

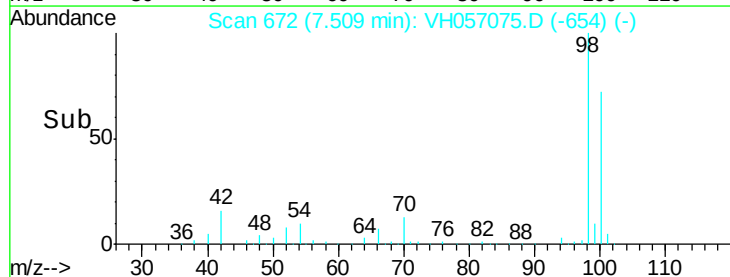
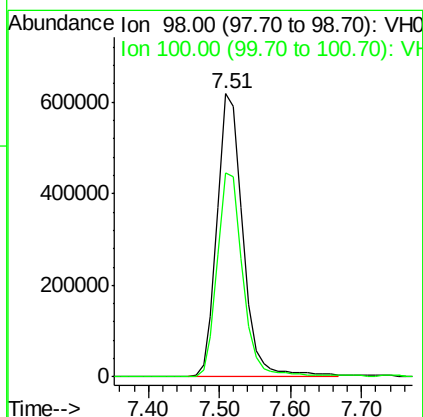
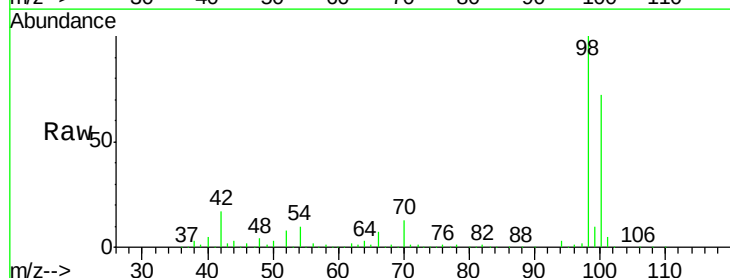
RT: 7.51 min Scan# 672

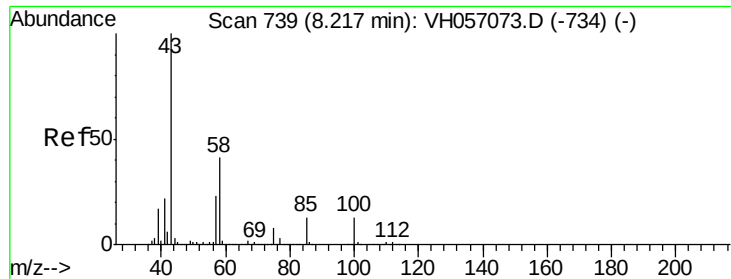
Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion:	98	Resp:	1533179
Ion	Ratio	Lower	Upper
98	100		
100	72.0	56.7	85.1





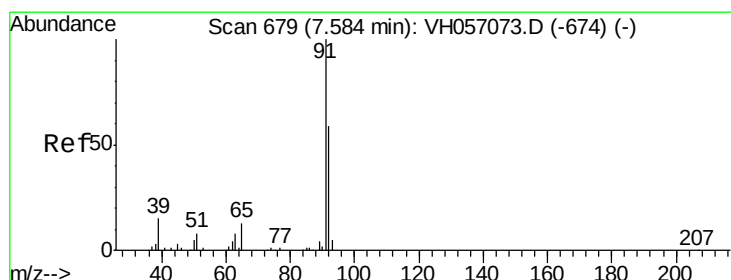
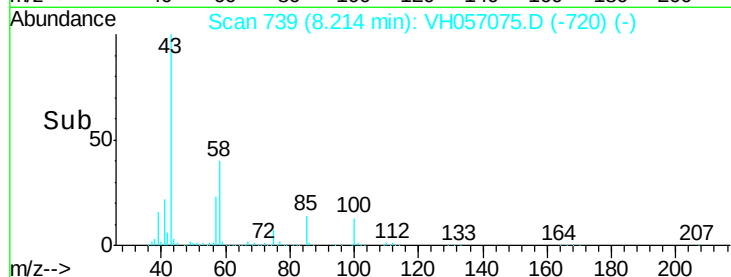
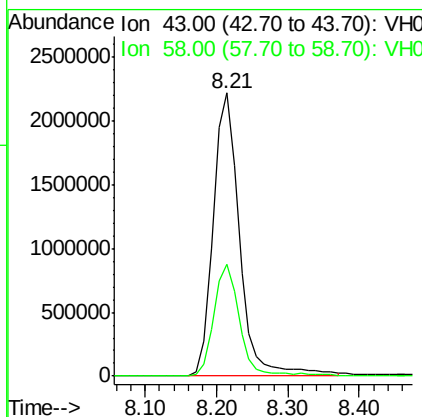
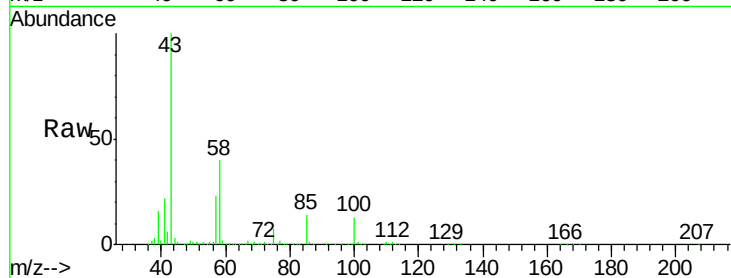
#49
 4-Methyl-2-Pentanone
 Concen: 254.87 ug/l
 RT: 8.21 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion: 43 Resp: 5581692
 Ion Ratio Lower Upper
 43 100
 58 39.7 20.0 60.0

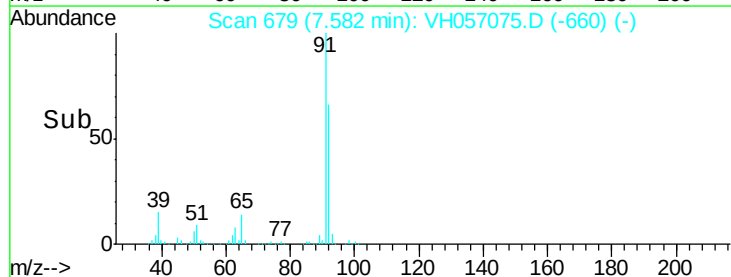
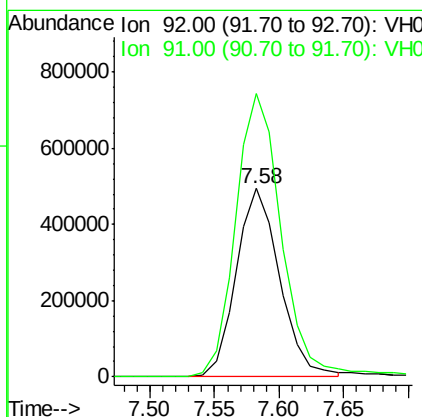
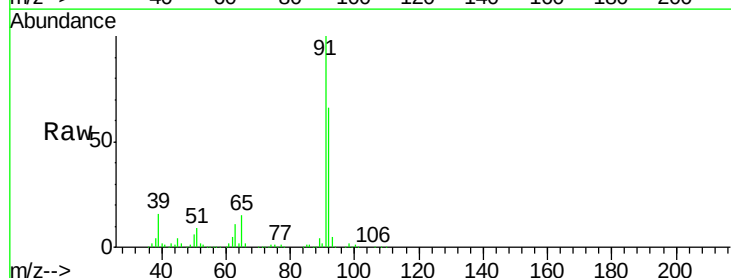
Manual Integrations
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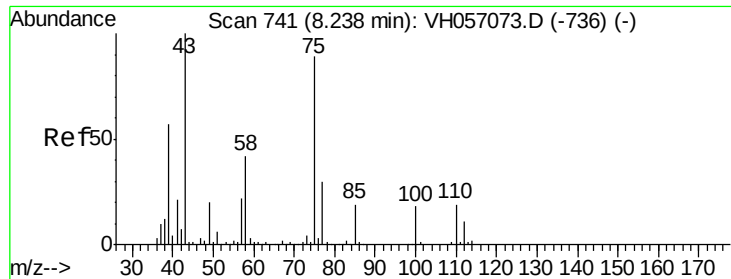
MMDadoda
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#50
 Toluene
 Concen: 52.06 ug/l
 RT: 7.58 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion: 92 Resp: 1170869
 Ion Ratio Lower Upper
 92 100
 91 150.5 125.8 188.6





#51

t-1,3-Dichloropropene

Concen: 53.90 ug/l

RT: 8.24 min Scan# 741

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tot Ion: 75 Resp: 916639

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

Instrument :

MSVOA_H

ClientSampleId :

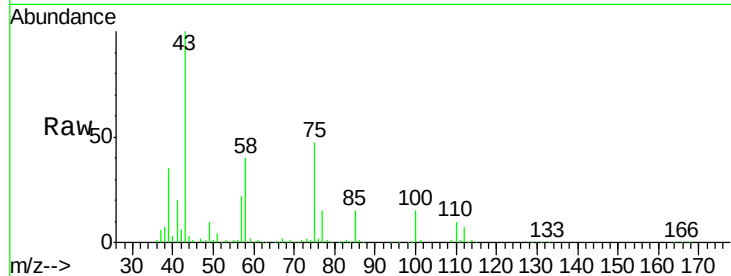
ICVVH091715

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0

8.24

400000

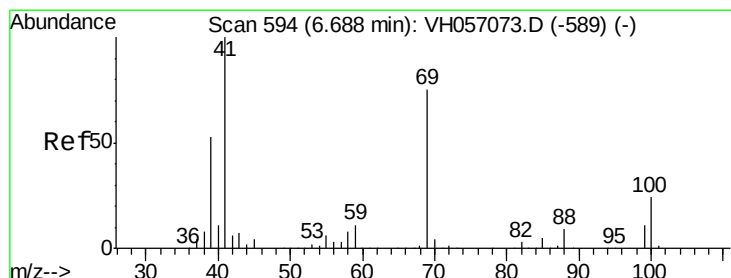
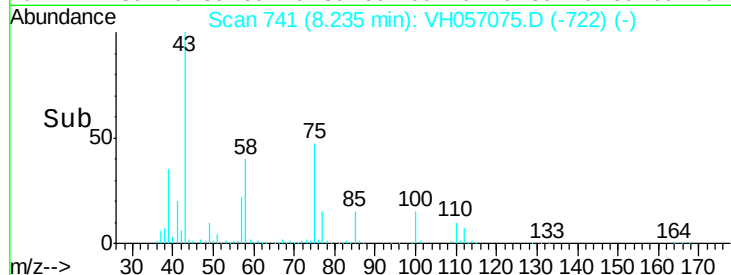
300000

200000

100000

0

Time-->



#52

Methyl Methacrylate

Concen: 53.66 ug/l

RT: 6.69 min Scan# 594

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

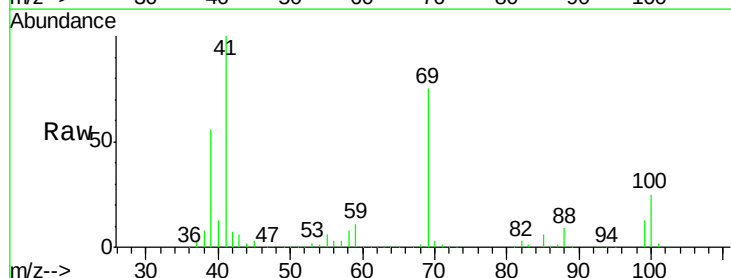
Tgt Ion: 69 Resp: 591309

Ion Ratio Lower Upper

69 100

41 133.6 70.0 209.8

39 74.2 37.5 112.5



Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

400000

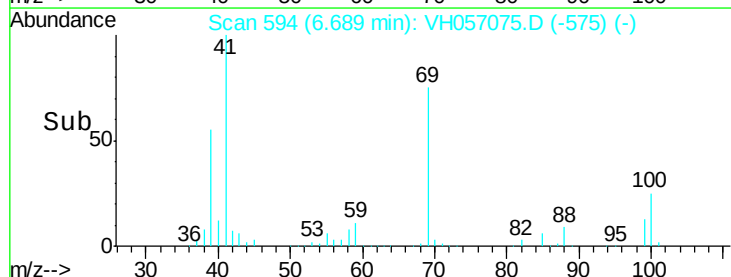
300000

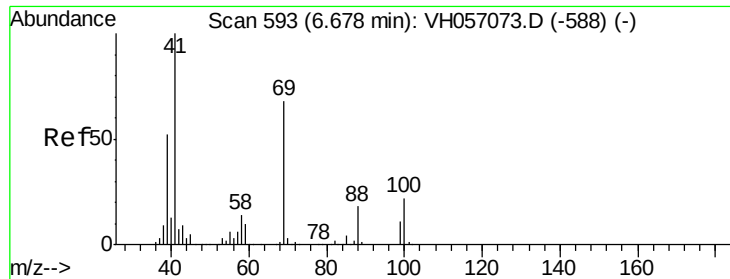
200000

100000

0

Time-->





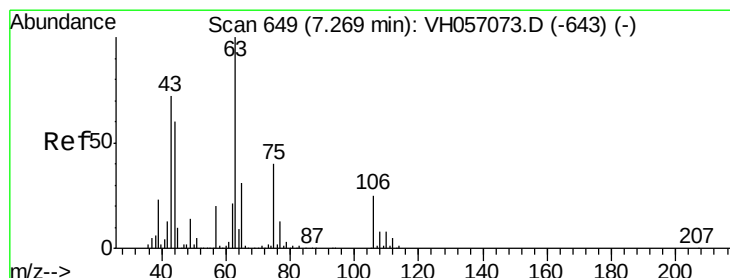
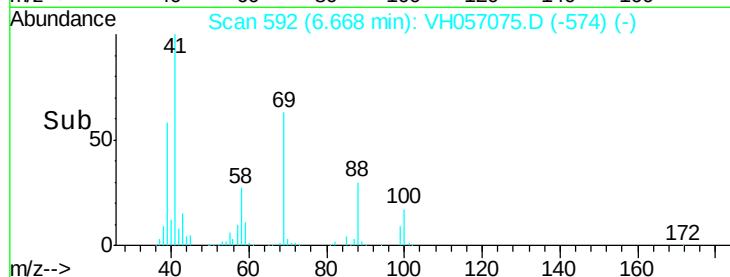
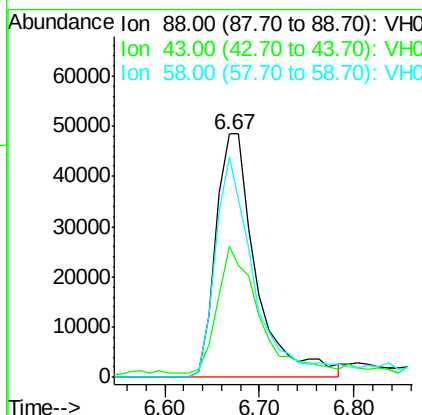
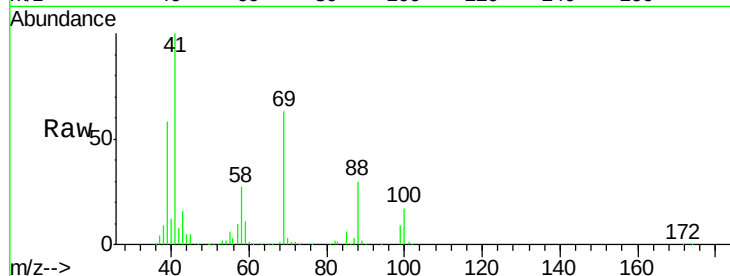
#53
1,4-Dioxane
Concen: 1115.43 ug/l
RT: 6.67 min Scan# 592
Delta R.T. -0.01 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	53.6	39.6	59.4	
58	90.7	61.4	92.2	

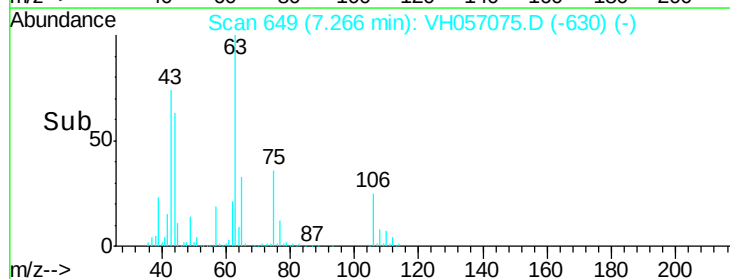
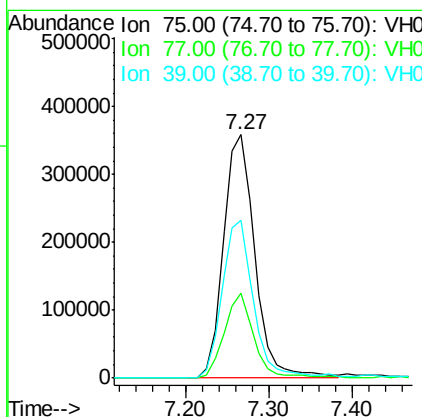
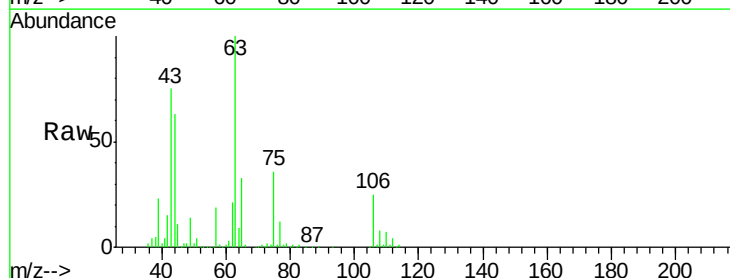
Manual Integrations
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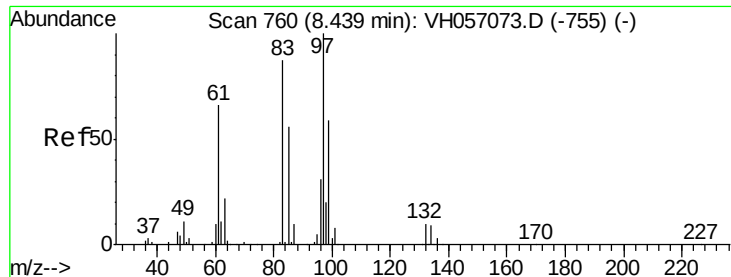
MMDadoda
9/18/2015 3:41:19 PM



#54
cis-1,3-Dichloropropene
Concen: 52.31 ug/l
RT: 7.27 min Scan# 649
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	34.7	25.2	37.8	
39	64.6	50.7	76.1	





#55

1,1,2-Trichloroethane

Concen: 52.16 ug/l

RT: 8.44 min Scan# 761

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

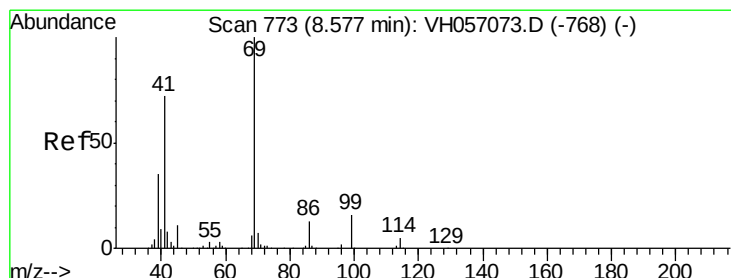
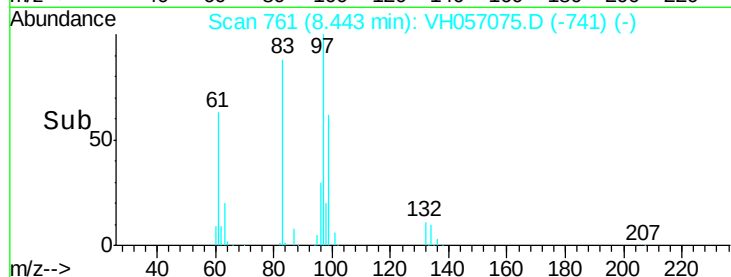
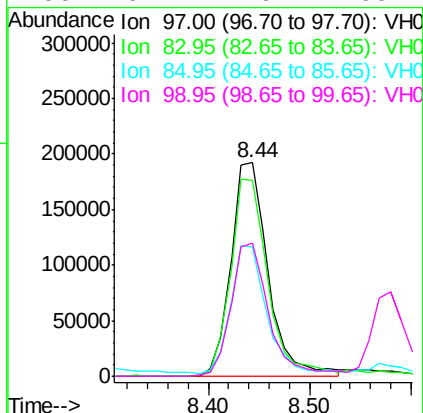
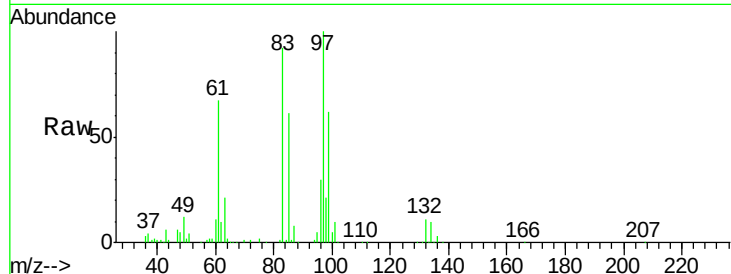
ClientSampleId :

ICVVH091715

Tot Ion	97	Resp	497928
Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.7	109.1
85	60.7	45.5	68.3
99	62.2	46.2	69.2

Manual Integrations
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#56

Ethyl Methacrylate

Concen: 54.04 ug/l

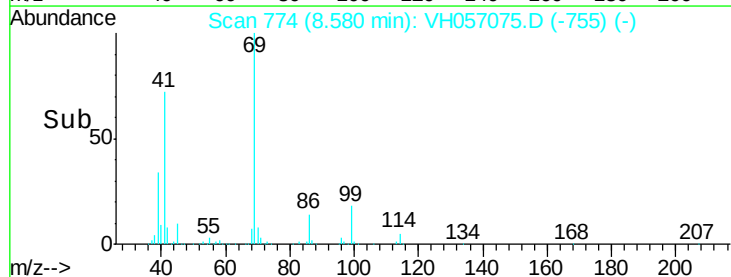
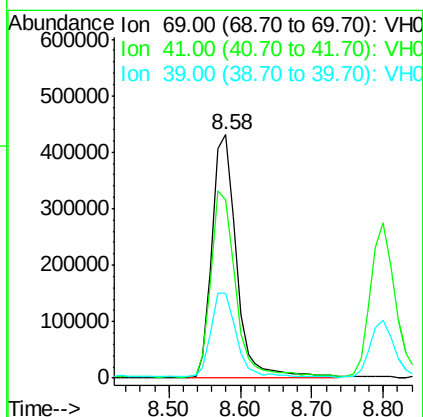
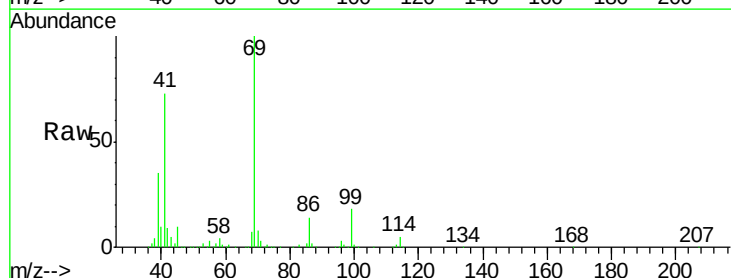
RT: 8.58 min Scan# 774

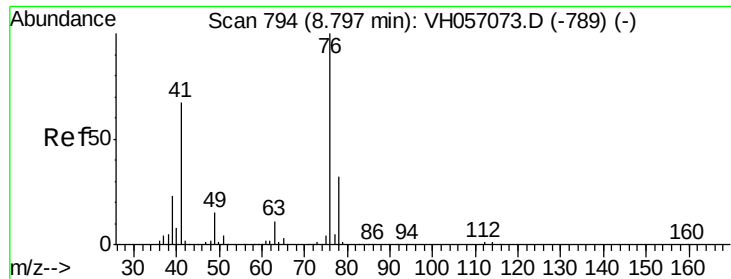
Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion	69	Resp	1018895
Ion	Ratio	Lower	Upper
69	100		
41	73.2	39.1	117.3
39	35.0	19.2	57.6





#57

1,3-Dichloropropane

Concen: 55.22 ug/l

RT: 8.80 min Scan# 795

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 76 Resp: 1072249

Ion Ratio Lower Upper

76 100

78 30.9

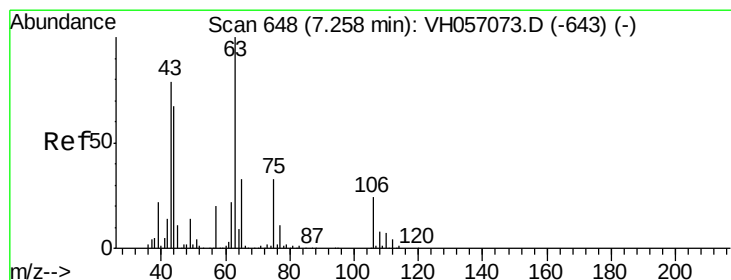
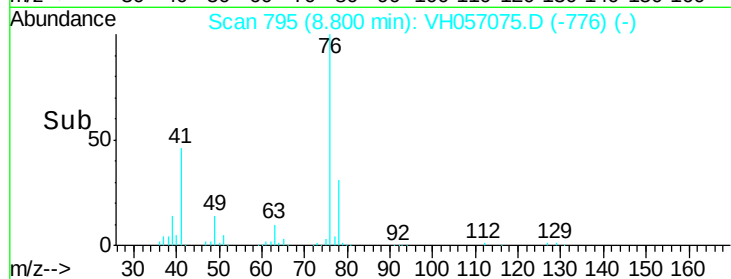
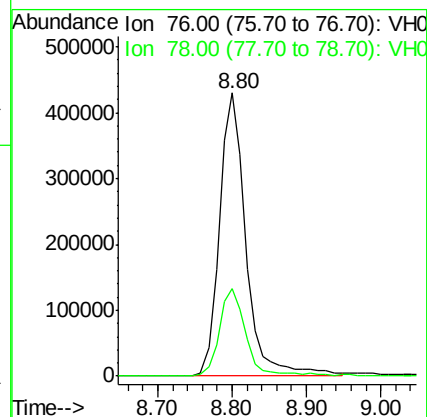
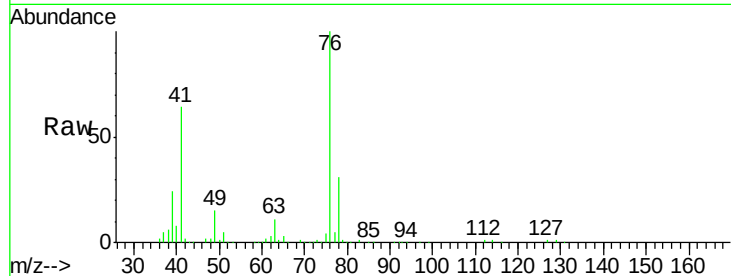
25.7

38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 320.81 ug/l

RT: 7.26 min Scan# 648

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion: 63 Resp: 2990691

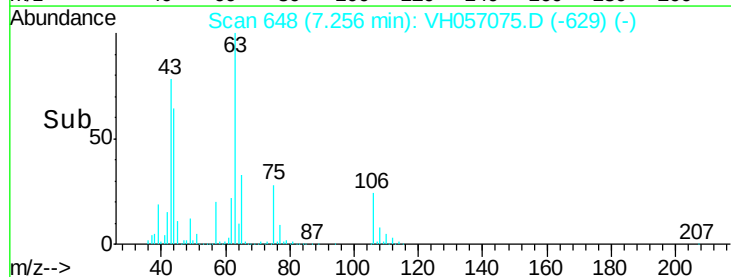
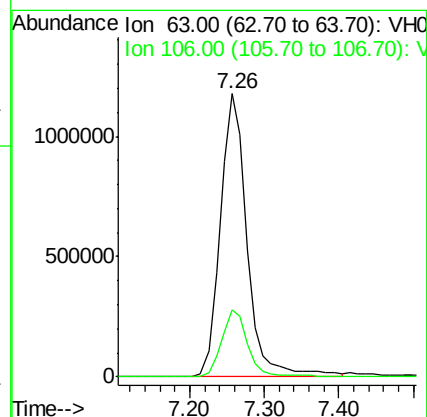
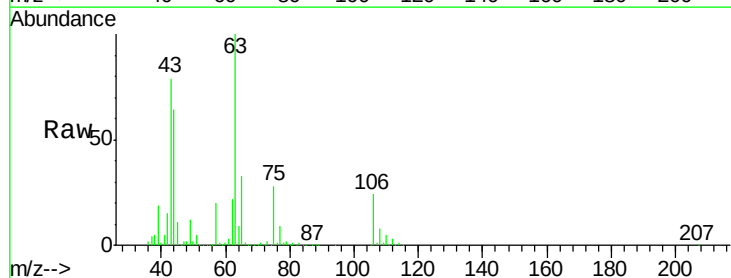
Ion Ratio Lower Upper

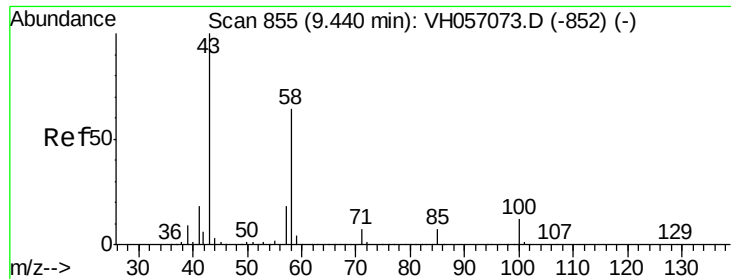
63 100

106 23.5

18.0

27.0





#59

2-Hexanone

Concen: 253.56 ug/l

RT: 9.44 min Scan# 856

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 43 Resp: 4338824

Ion Ratio Lower Upper

43 100

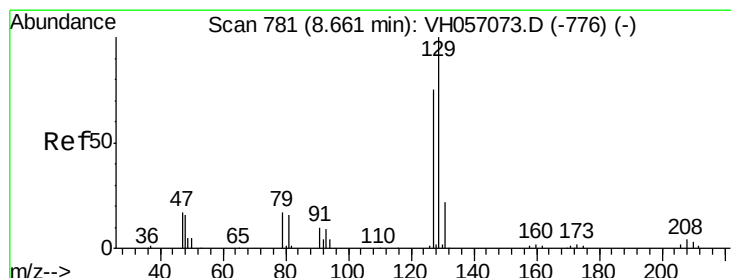
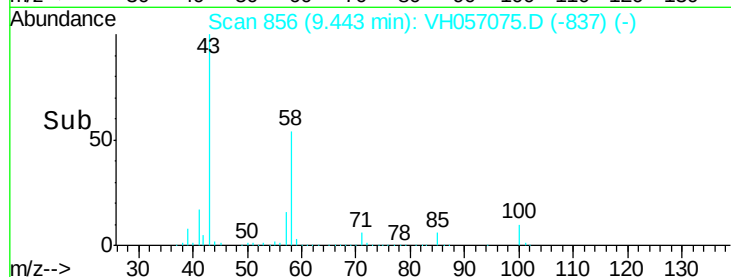
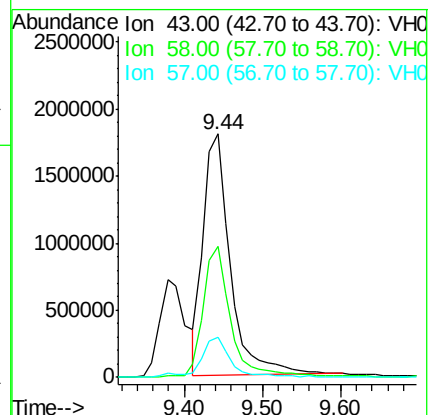
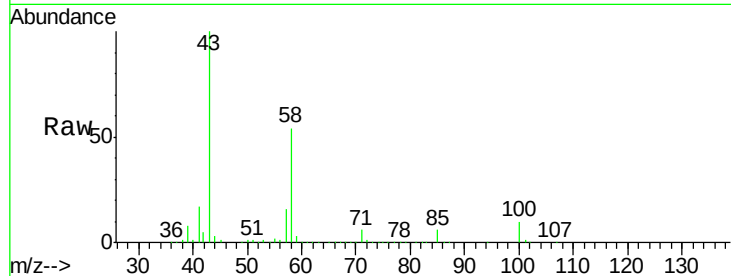
58 53.9 27.1 81.2

57 16.5 8.1 24.3

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#60

Dibromochloromethane

Concen: 55.76 ug/l

RT: 8.66 min Scan# 782

Delta R.T. 0.00 min

Lab File: VH057075.D

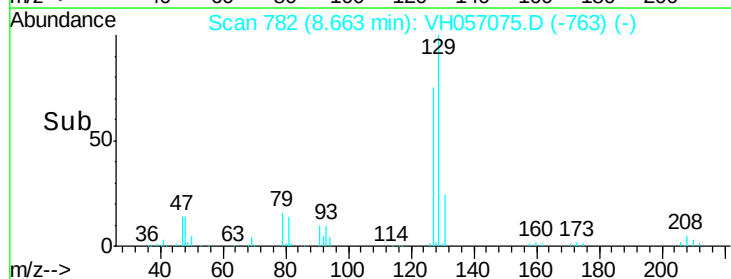
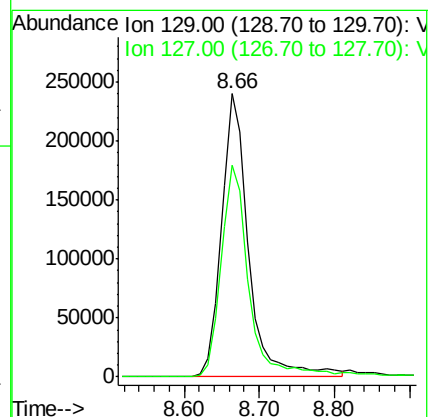
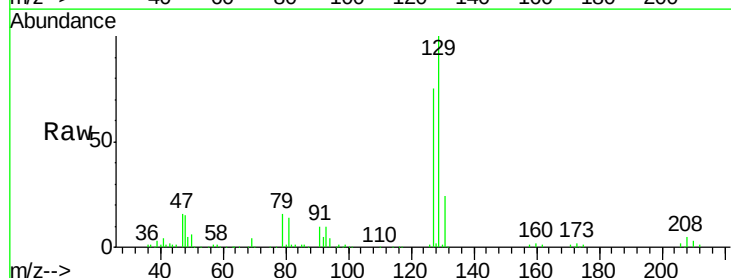
Acq: 17 Sep 2015 21:18

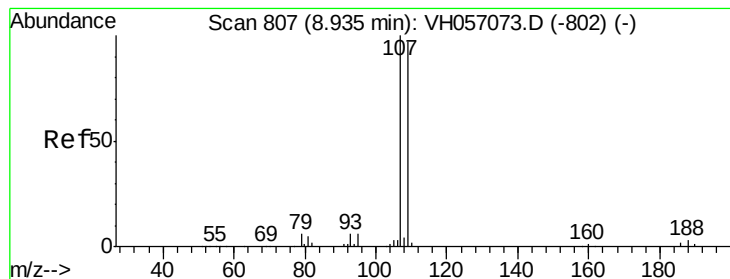
Tgt Ion: 129 Resp: 603467

Ion Ratio Lower Upper

129 100

127 74.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 56.84 ug/l

RT: 8.93 min Scan# 807

Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion:107 Resp: 624456

Ion Ratio Lower Upper

107 100

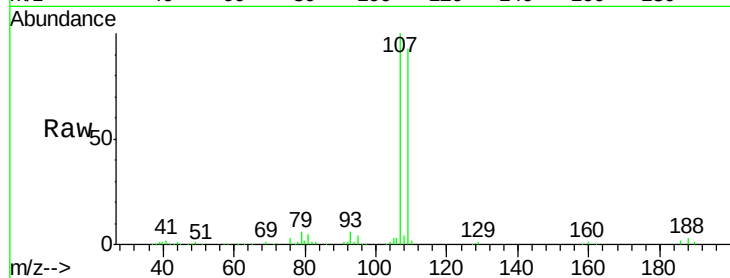
109 92.7 77.7 116.5

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.93

250000

200000

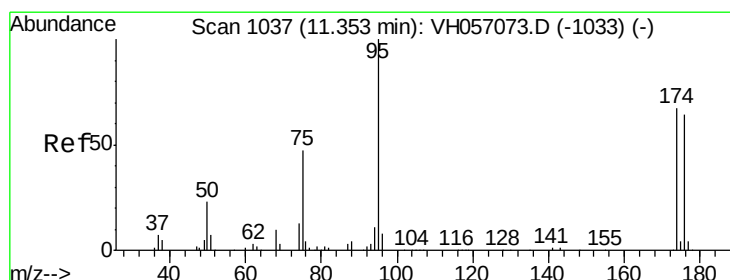
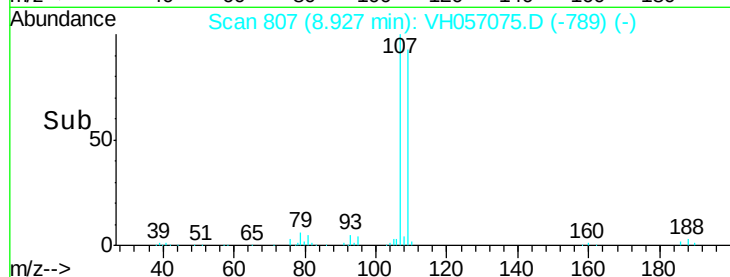
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.25 ug/l

RT: 11.35 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

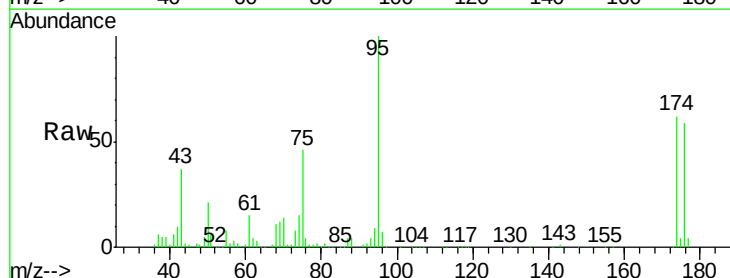
Tgt Ion: 95 Resp: 562261

Ion Ratio Lower Upper

95 100

174 62.2 58.4 87.6

176 59.3 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.35

400000

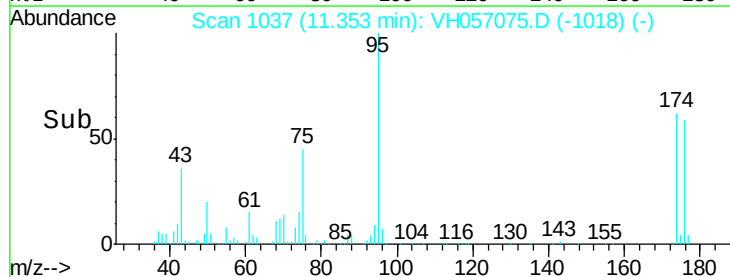
300000

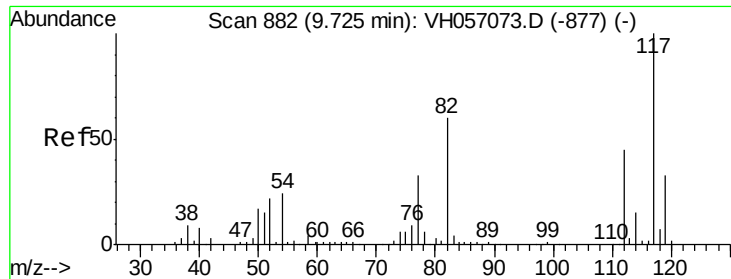
200000

100000

0

Time-->





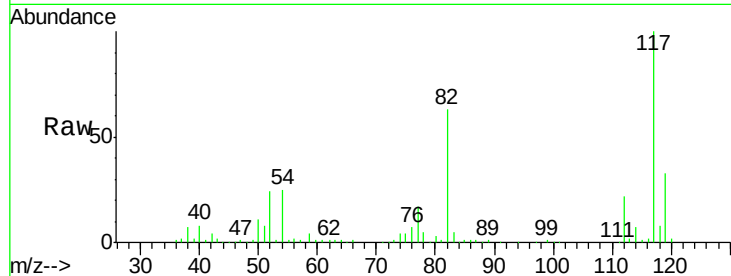
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 882
Delta R.T. -0.01 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

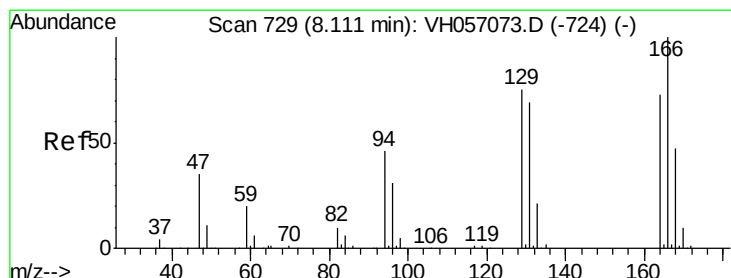
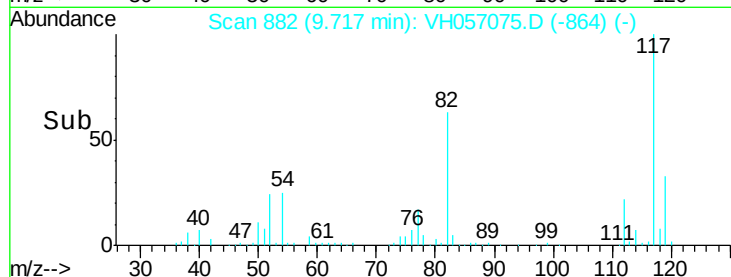
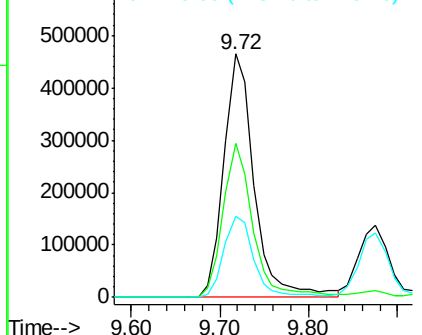
Tot Ion:117 Resp: 1112547
Ion Ratio Lower Upper
117 100
82 63.4 51.0 76.6
119 33.1 26.7 40.1

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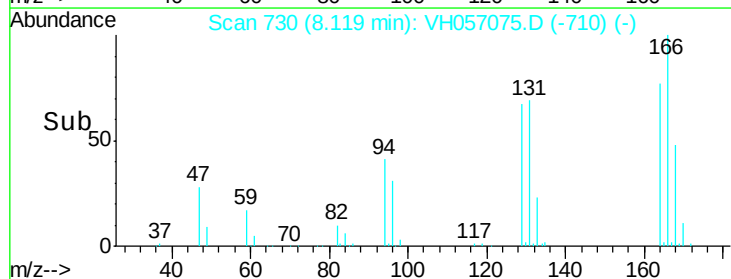
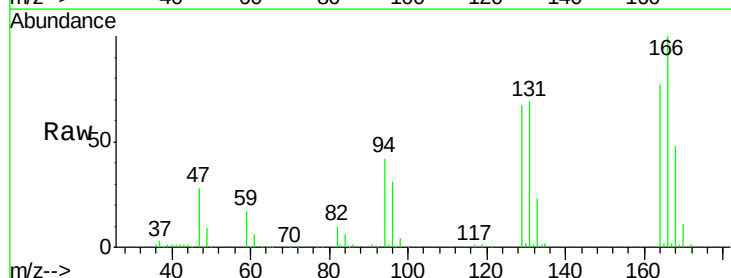
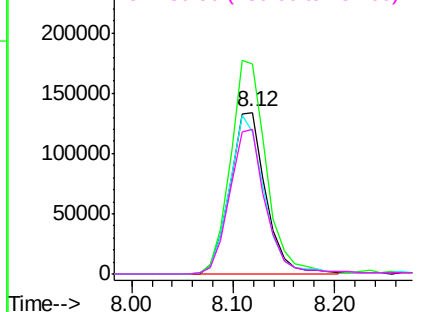
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

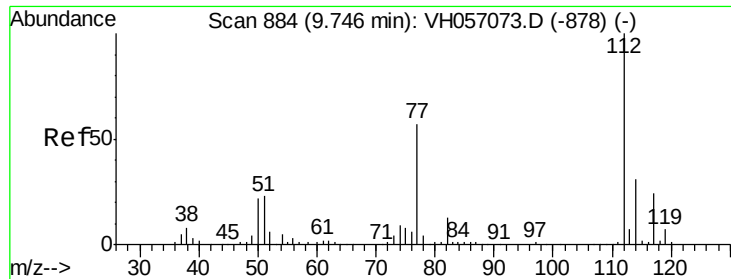


#64
Tetrachloroethene
Concen: 53.22 ug/l
RT: 8.12 min Scan# 730
Delta R.T. 0.01 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion:164 Resp: 335482
Ion Ratio Lower Upper
164 100
166 130.1 103.2 154.8
129 87.6 73.4 110.0
131 89.8 70.8 106.2

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





#65

Chlorobenzene

Concen: 52.28 ug/l

RT: 9.74 min Scan# 884

Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

ICVVH091715

Tot Ion:112 Resp: 1265522

Ion Ratio Lower Upper

112 100

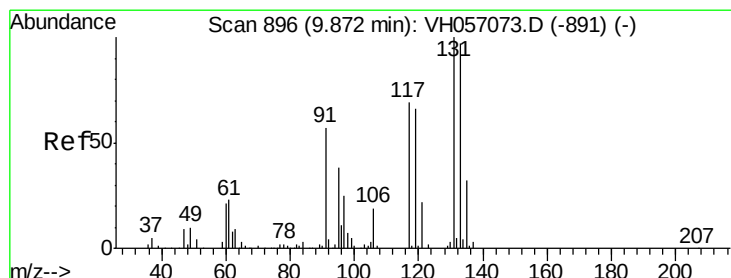
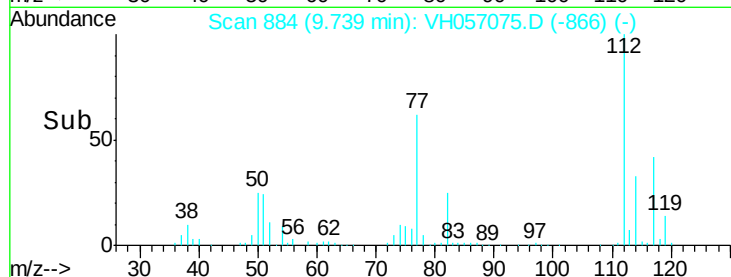
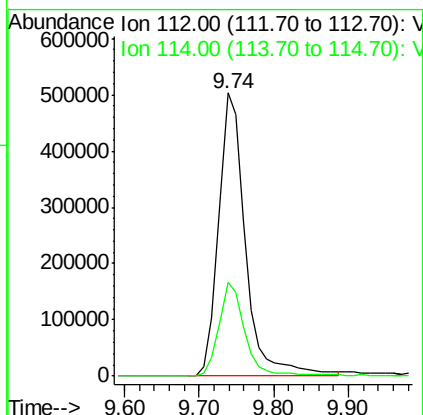
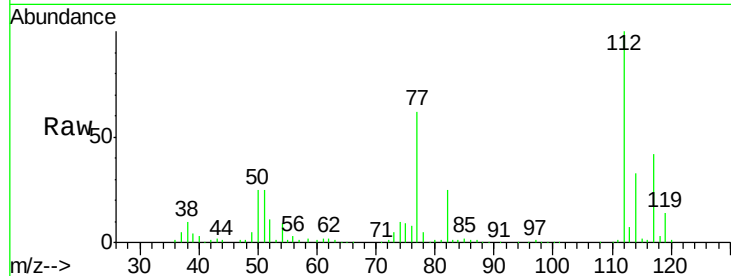
114 33.1 26.3 39.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.84 ug/l

RT: 9.88 min Scan# 897

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

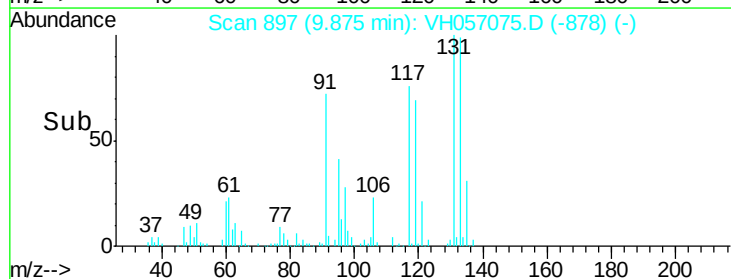
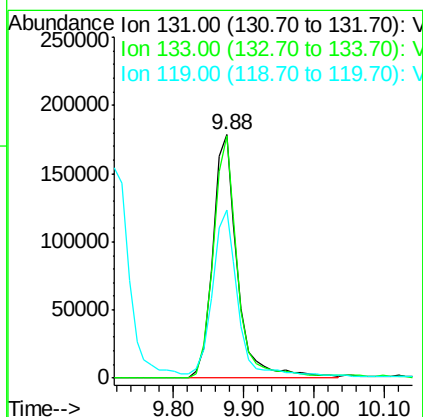
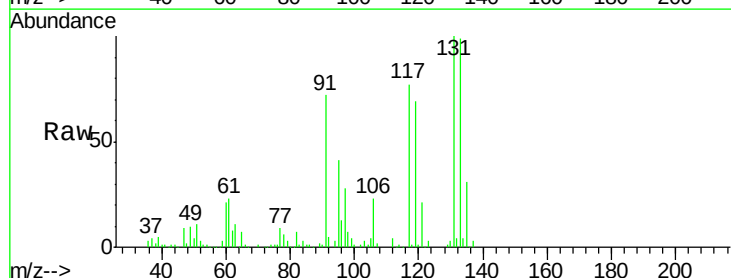
Tgt Ion:131 Resp: 433019

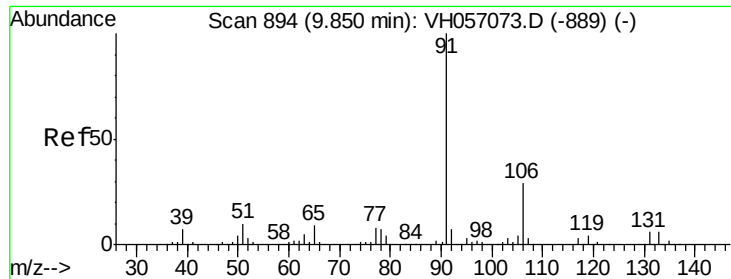
Ion Ratio Lower Upper

131 100

133 99.5 51.1 153.3

119 69.2 36.3 108.9





#67

Ethyl Benzene

Concen: 53.53 ug/l

RT: 9.84 min Scan# 894

Delta R.T. -0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

ICVVH091715

Tot Ion:106 Resp: 620290

Ion Ratio Lower Upper

106 100

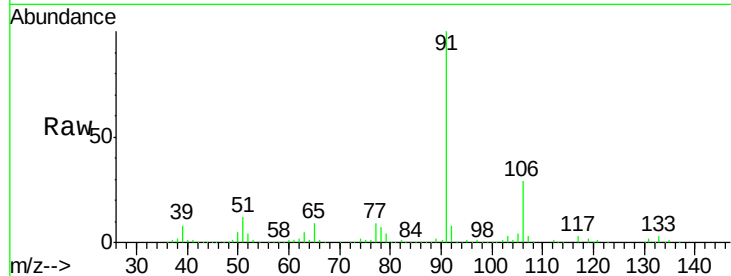
91 342.1 264.9 397.3

Manual Integrations

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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0

1500000

1000000

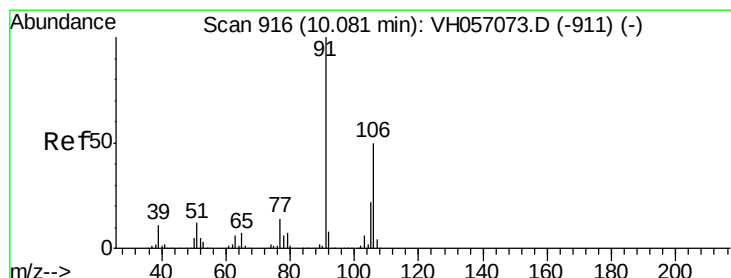
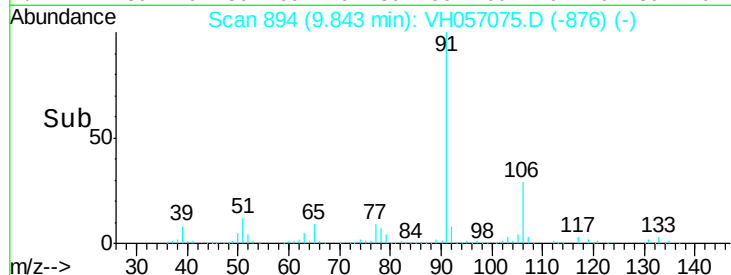
500000

0

9.84

9.70 9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 103.76 ug/l

RT: 10.08 min Scan# 916

Delta R.T. -0.00 min

Lab File: VH057075.D

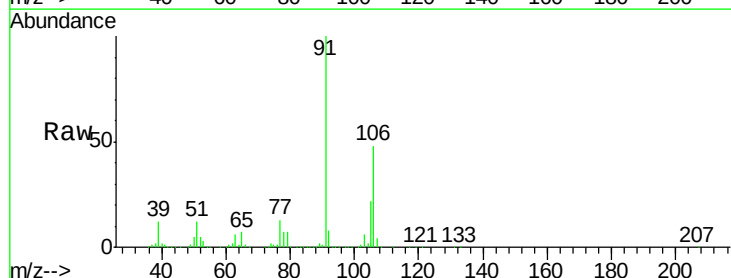
Acq: 17 Sep 2015 21:18

Tgt Ion:106 Resp: 1462568

Ion Ratio Lower Upper

106 100

91 206.6 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0

1500000

1000000

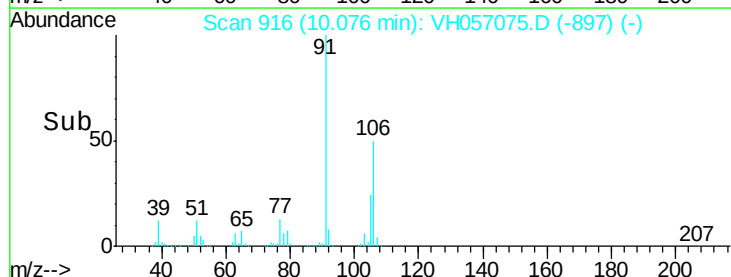
500000

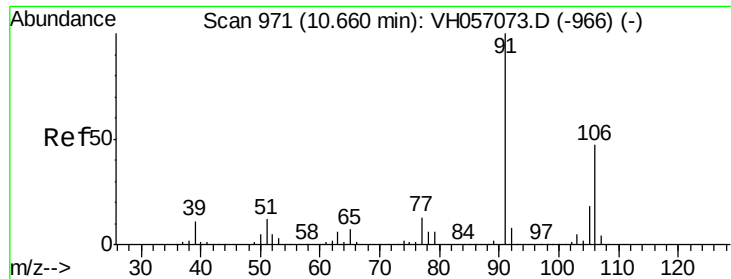
0

10.08

10.00 10.10 10.20 10.30

Time-->





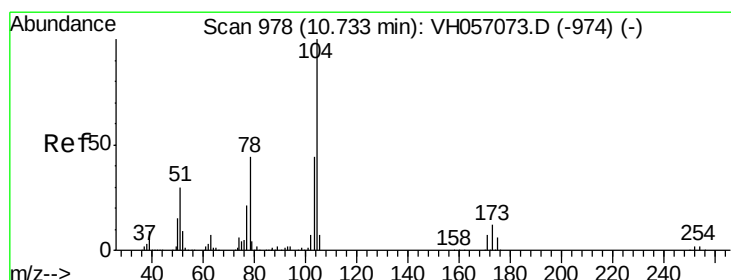
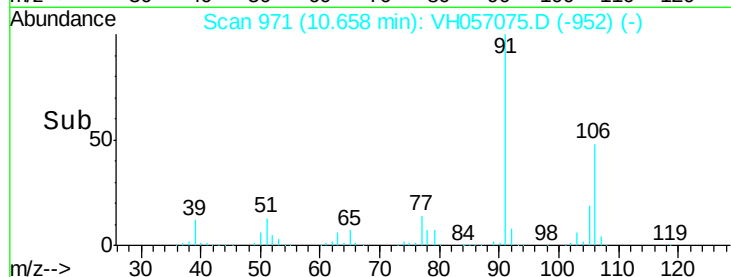
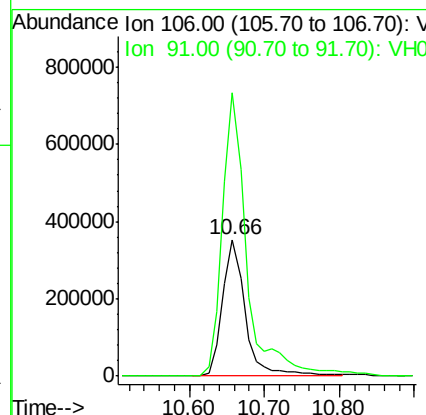
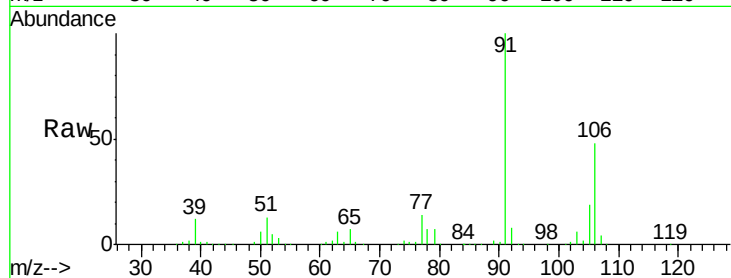
#69
o-Xylene
Concen: 54.11 ug/l
RT: 10.66 min Scan# 971
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.2	104.2	312.6	

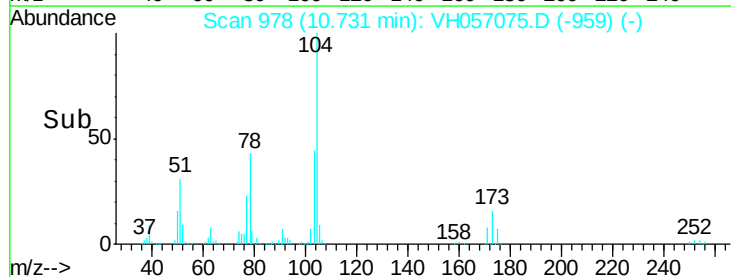
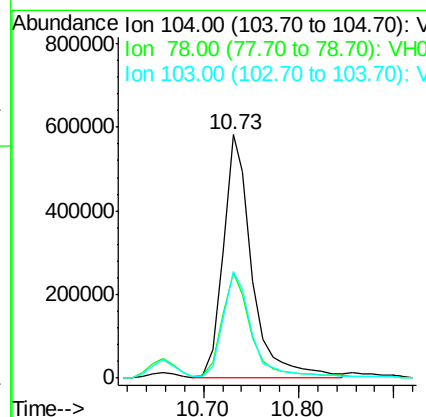
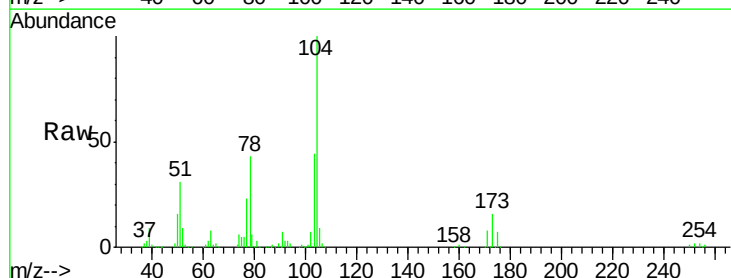
Manual Integrations
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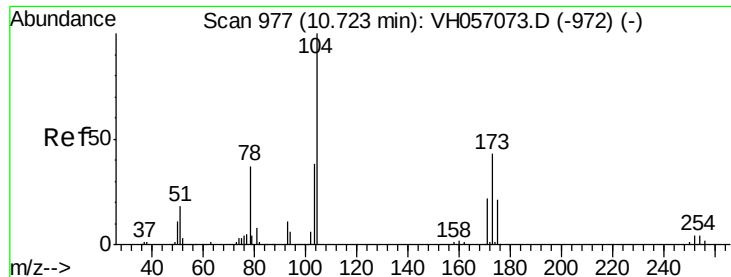
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#70
Styrene
Concen: 51.81 ug/l
RT: 10.73 min Scan# 978
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	43.3	35.2	52.8	
103	44.0	35.8	53.6	





#71

Bromoform

Concen: 53.10 ug/l

RT: 10.72 min Scan# 977

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

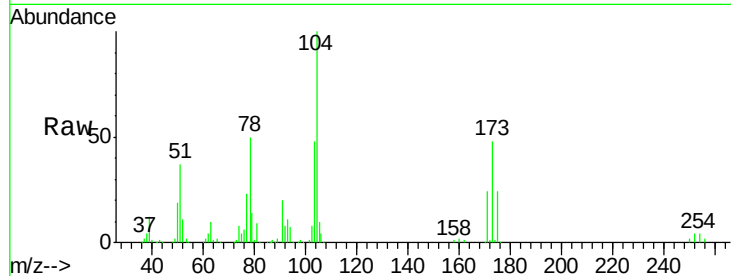
ClientSampleId :

ICVVH091715

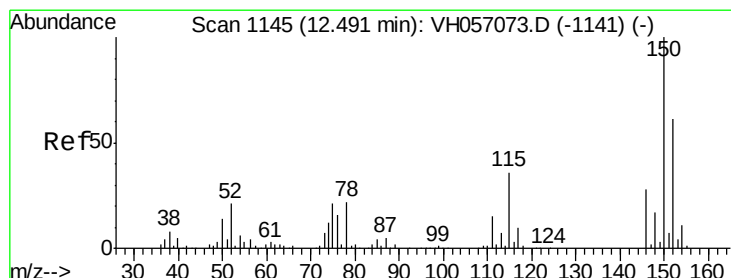
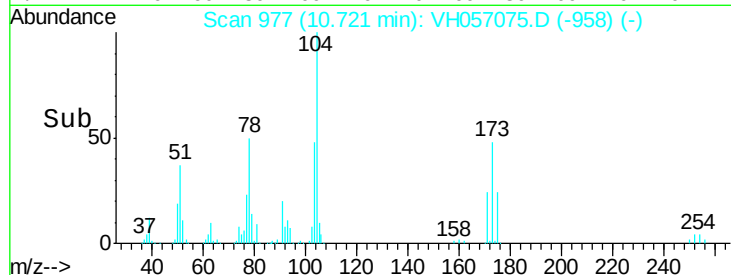
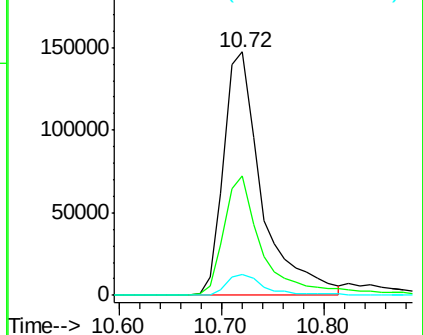
Tot Ion:	173	Resp:	379568
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.3	69.9
254	8.8	4.4	13.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

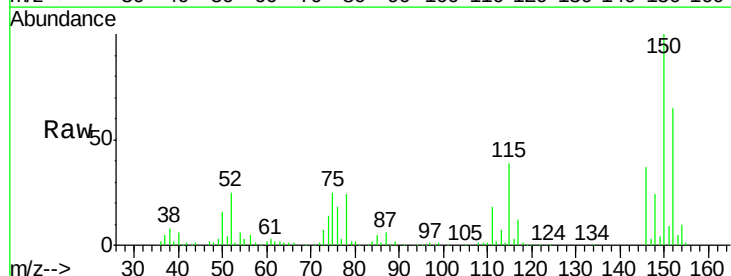
RT: 12.49 min Scan# 1145

Delta R.T. -0.00 min

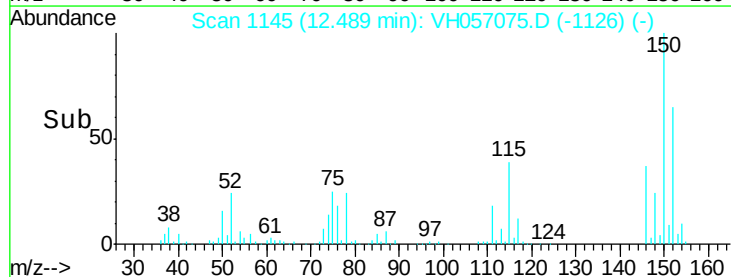
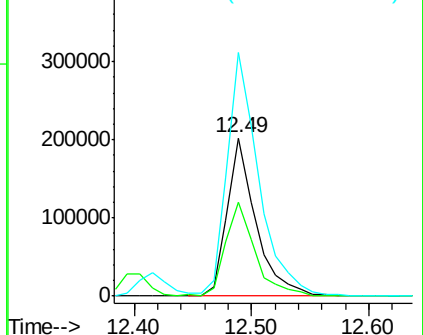
Lab File: VH057075.D

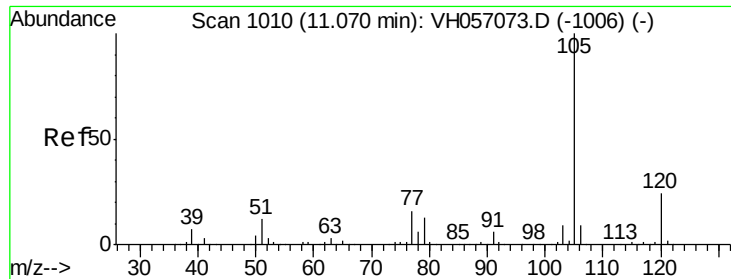
Acq: 17 Sep 2015 21:18

Tgt Ion:	152	Resp:	344525
Ion Ratio	Lower	Upper	
152	100		
115	59.6	28.2	84.6
150	153.9	0.0	332.0



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





#73

Isopropylbenzene

Concen: 51.18 ug/l

RT: 11.07 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion:105 Resp: 1610354

Ion Ratio Lower Upper

105 100

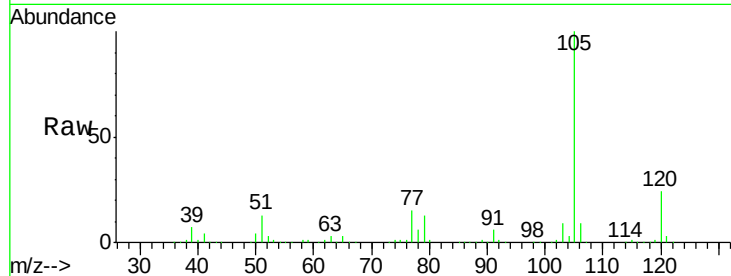
120 24.2 12.2 36.4

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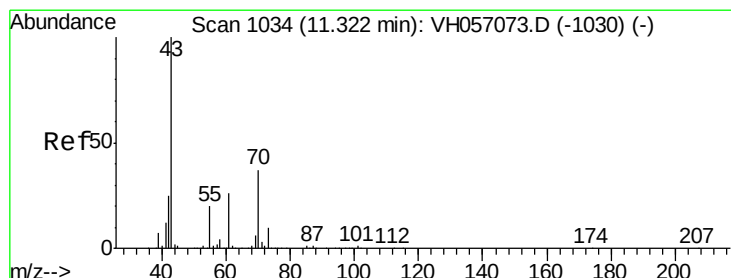
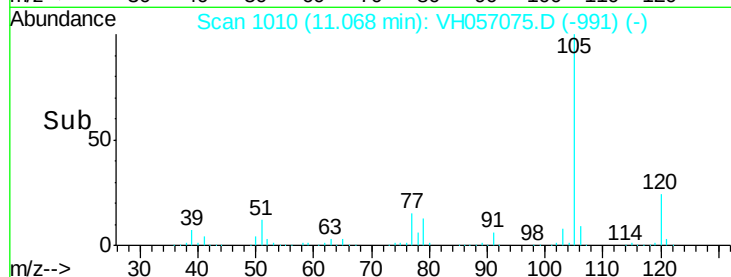
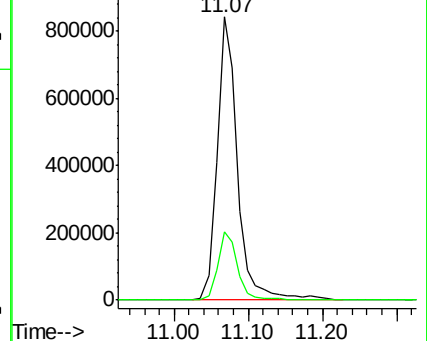
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

n-Amyl Acetate

Concen: 48.45 ug/l

RT: 11.32 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion: 43 Resp: 1619714

Ion Ratio Lower Upper

43 100

70 35.1 27.3 40.9

55 19.4 15.3 22.9

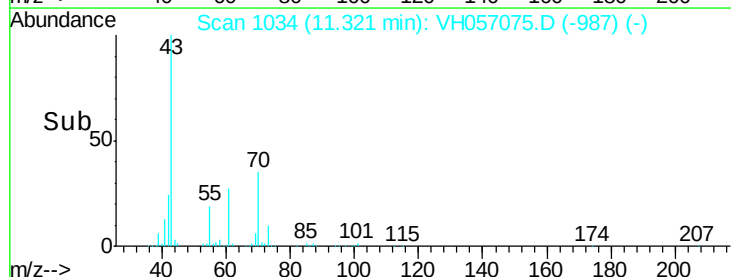
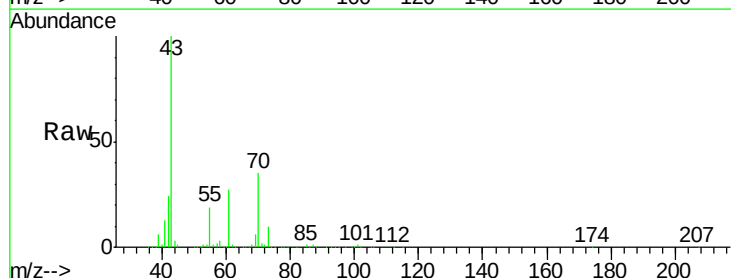
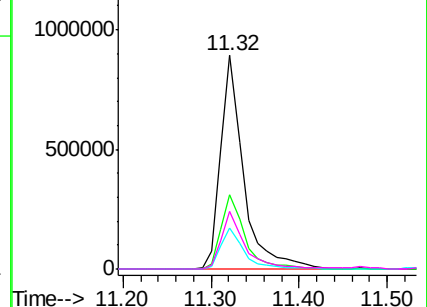
61 27.0 19.4 29.0

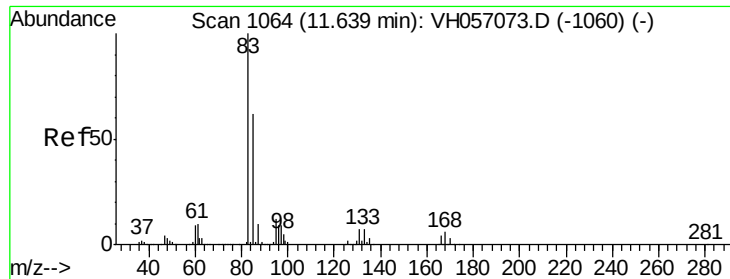
Abundance Ion 43.05 (42.75 to 43.75): V

Ion 70.05 (69.75 to 70.75): V

Ion 55.05 (54.75 to 55.75): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.13 ug/l

RT: 11.64 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 83 Resp: 793972
Ion Ratio Lower Upper

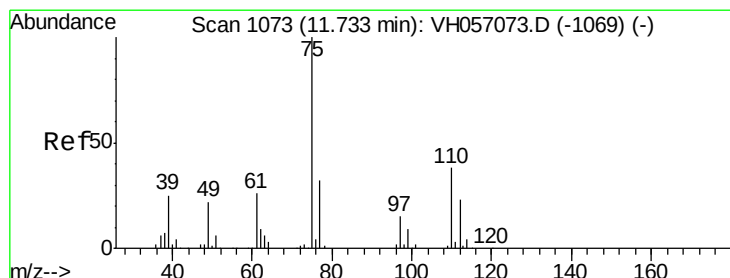
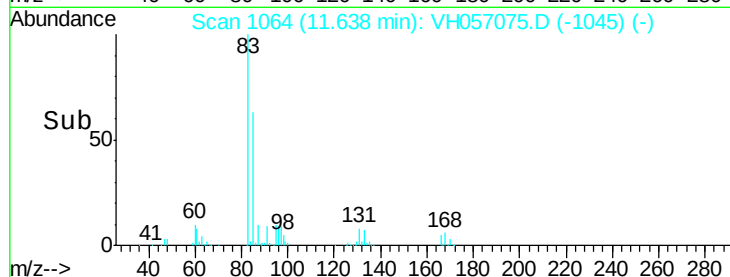
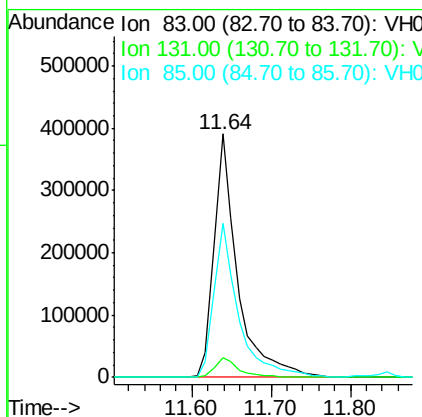
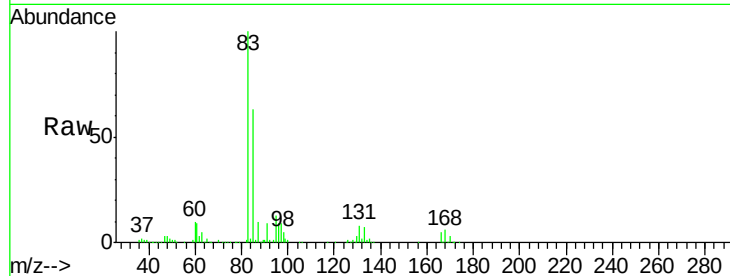
83 100

131 8.3 3.1 9.3

85 63.4 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 49.74 ug/l

RT: 11.73 min Scan# 1073

Delta R.T. -0.00 min

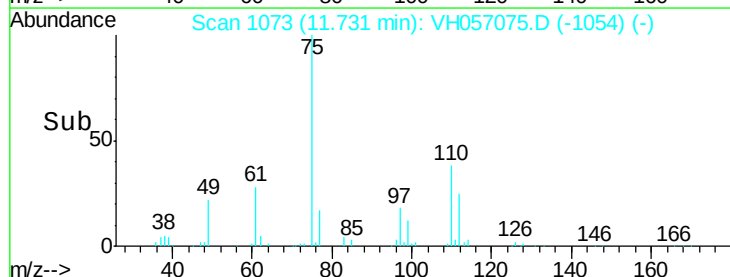
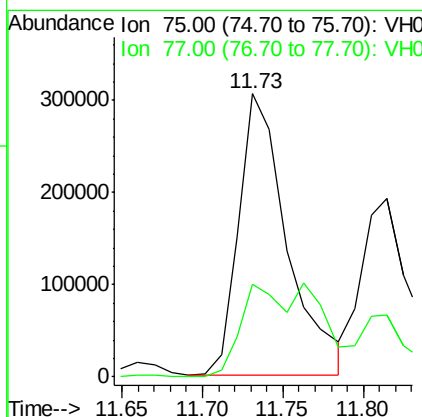
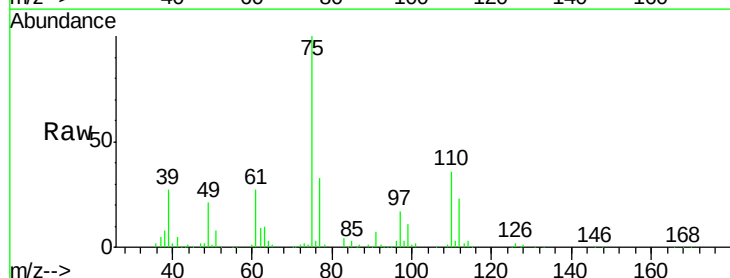
Lab File: VH057075.D

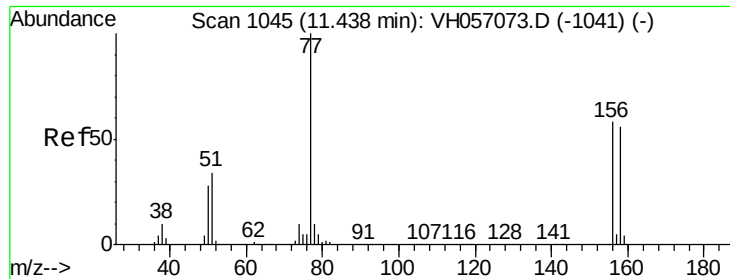
Acq: 17 Sep 2015 21:18

Tgt Ion: 75 Resp: 643779
Ion Ratio Lower Upper

75 100

77 32.7 14.9 44.9





#77

Bromobenzene

Concen: 50.95 ug/l

RT: 11.44 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

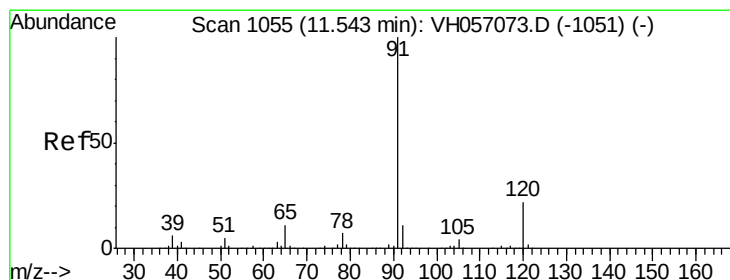
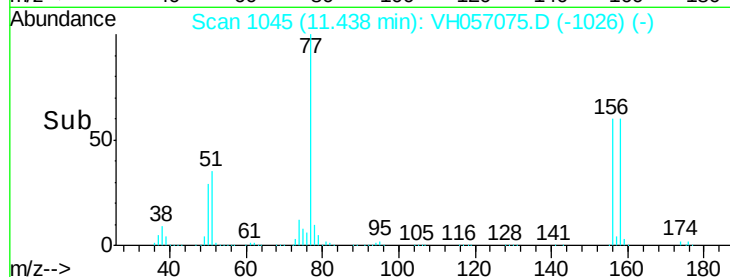
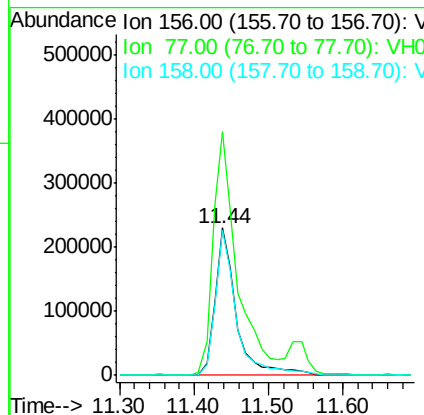
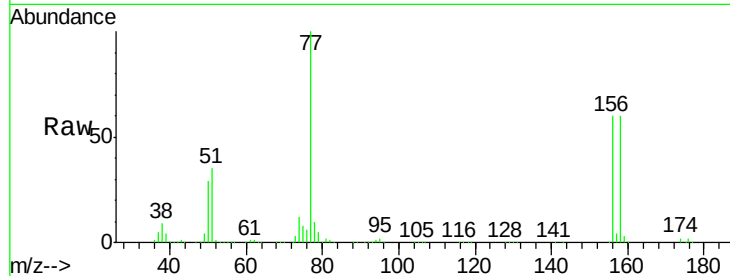
ClientSampleId :

ICVVH091715

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	165.5		73.5	220.5	
158	98.9		46.8	140.3	

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#78

n-propylbenzene

Concen: 51.18 ug/l

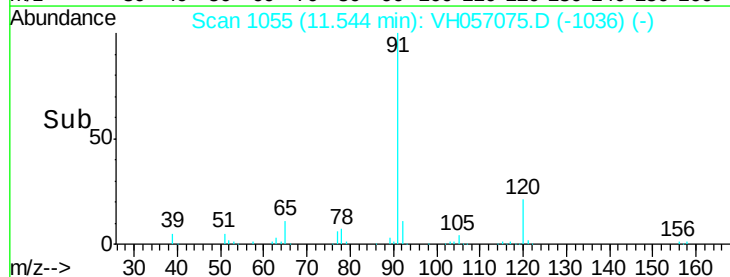
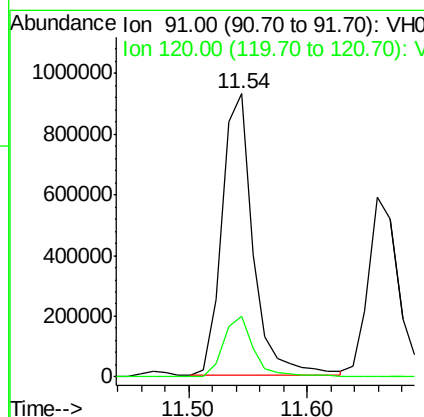
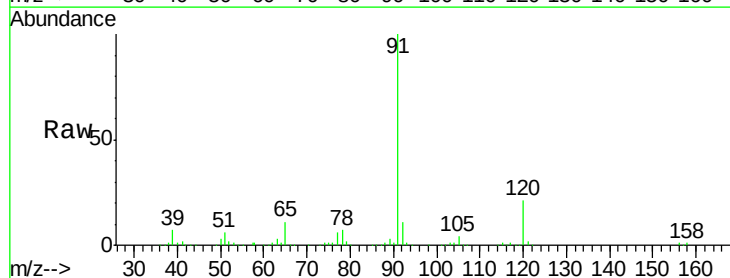
RT: 11.54 min Scan# 1055

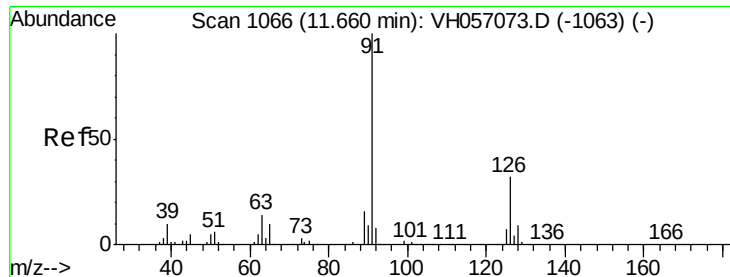
Delta R.T. 0.00 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.5		10.2	30.6	





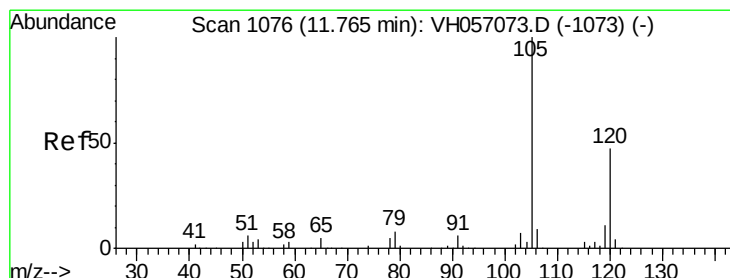
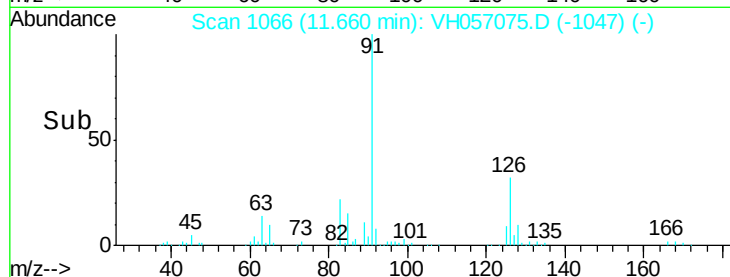
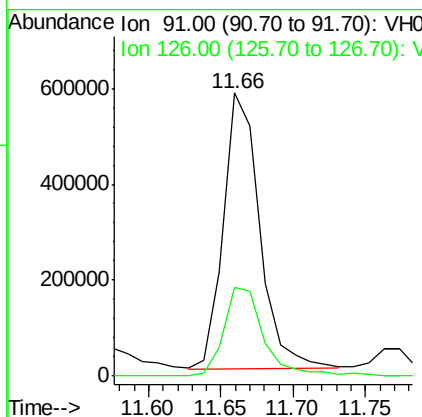
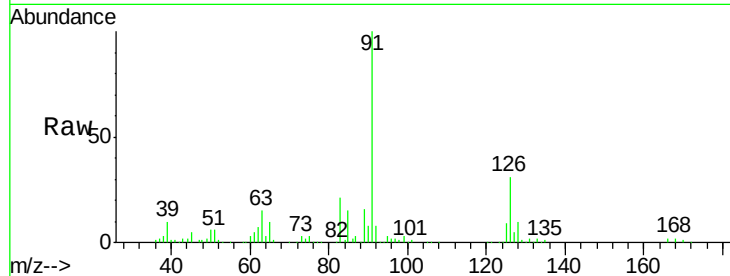
#79
2-Chlorotoluene
Concen: 48.51 ug/l
RT: 11.66 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.3	48.9

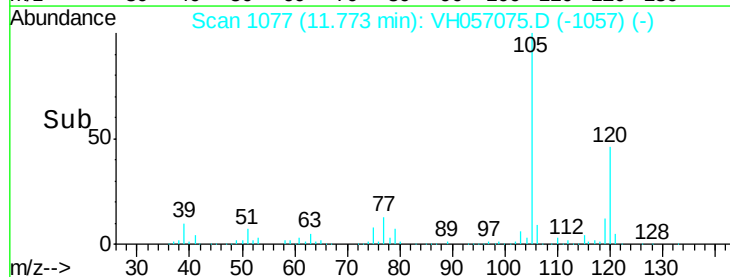
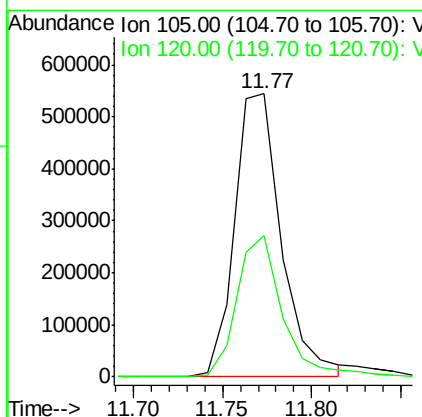
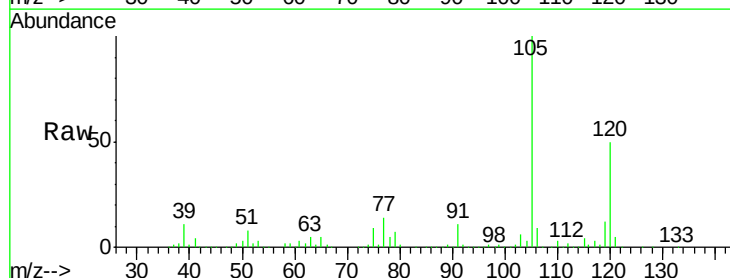
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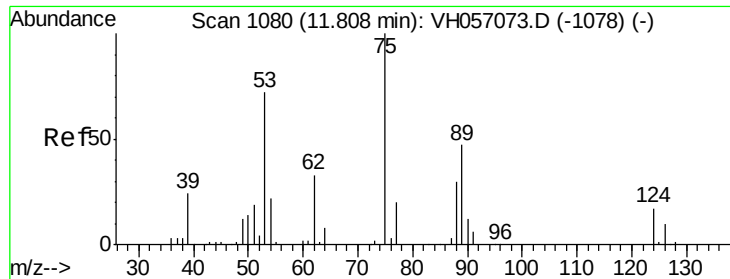
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#80
1,3,5-Trimethylbenzene
Concen: 48.24 ug/l
RT: 11.77 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	23.6	71.0





#81

trans-1,4-Dichloro-2-Butene

Concen: 49.38 ug/l

RT: 11.81 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VH057075.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

ICVVH091715

Tot Ion: 75 Resp: 465811

Ion Ratio Lower Upper

75 100

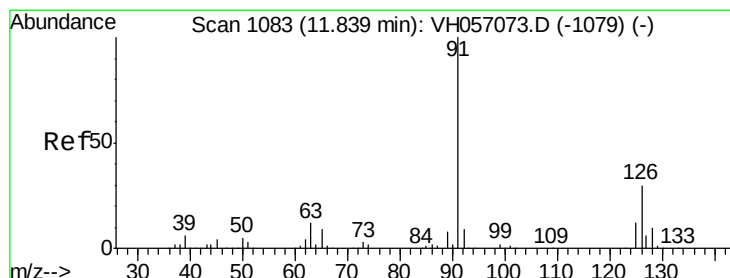
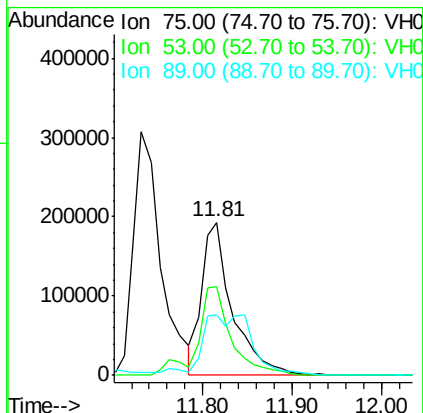
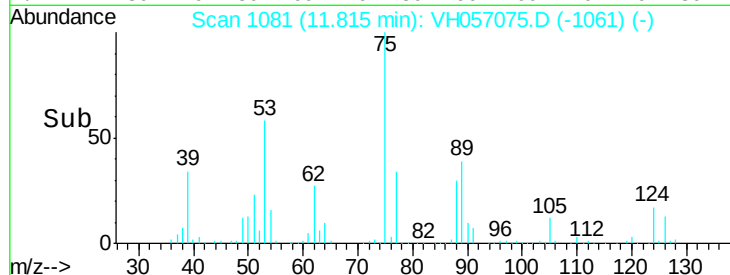
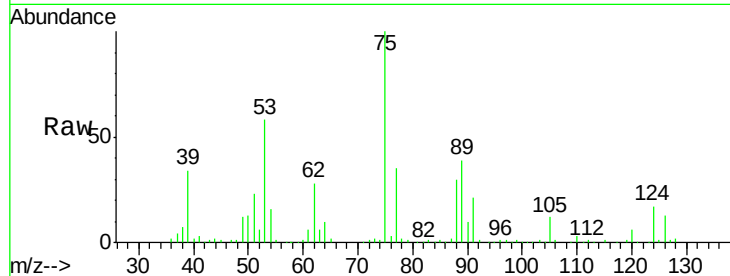
53 57.7 32.0 96.2

89 39.2 21.1 63.3

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#82

4-Chlorotoluene

Concen: 49.21 ug/l

RT: 11.85 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VH057075.D

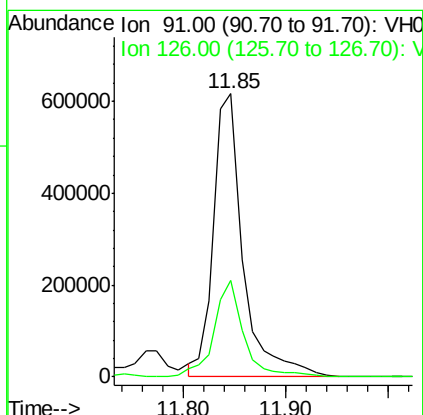
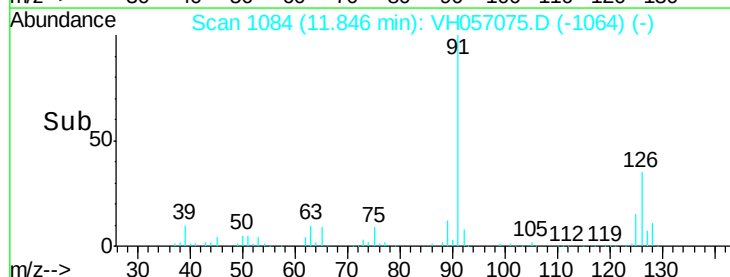
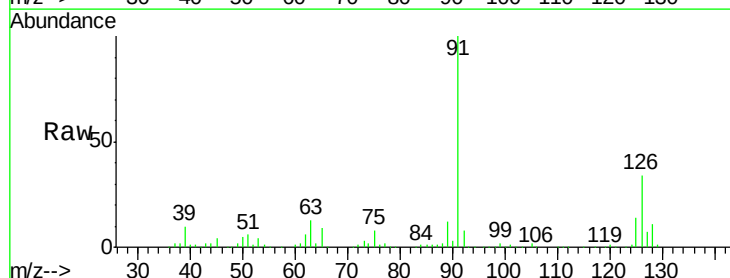
Acq: 17 Sep 2015 21:18

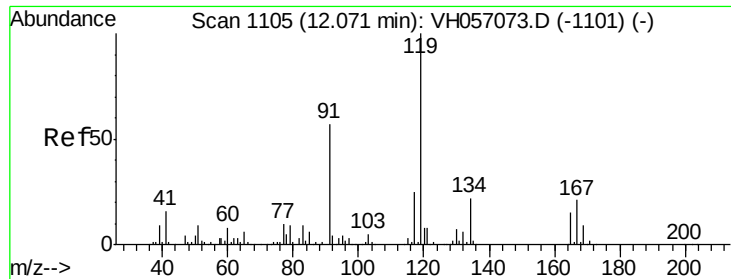
Tgt Ion: 91 Resp: 1206170

Ion Ratio Lower Upper

91 100

126 33.9 17.0 51.0





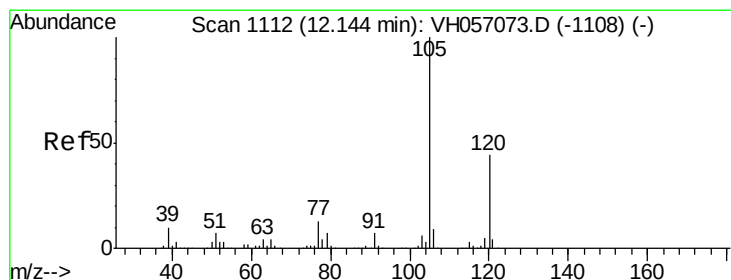
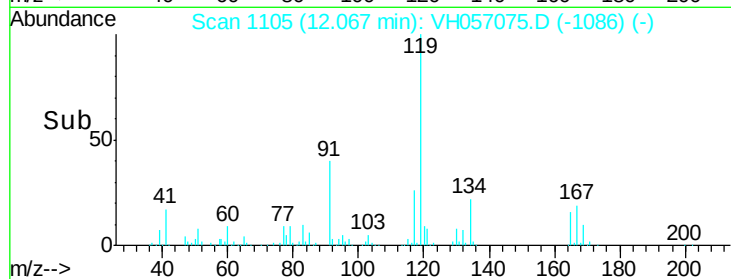
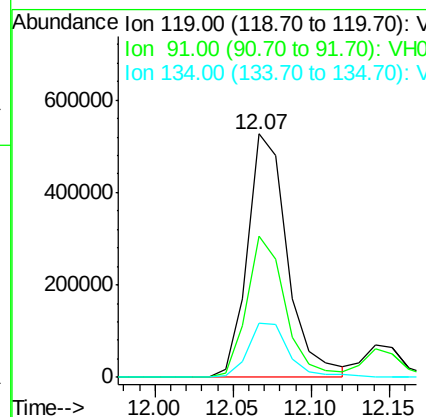
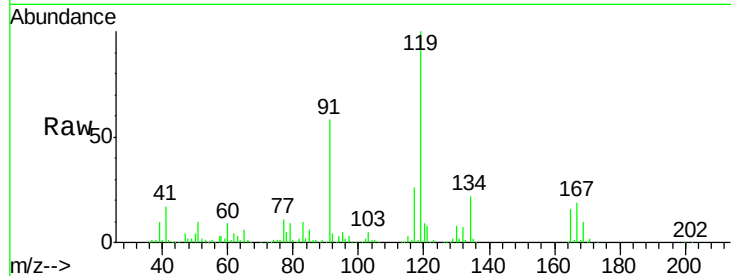
#83
 tert-Butylbenzene
 Concen: 48.23 ug/l
 RT: 12.07 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion	Ratio	Resp	Lower	Upper
119	100	936097		
91	58.2		28.5	85.6
134	22.2		11.5	34.5

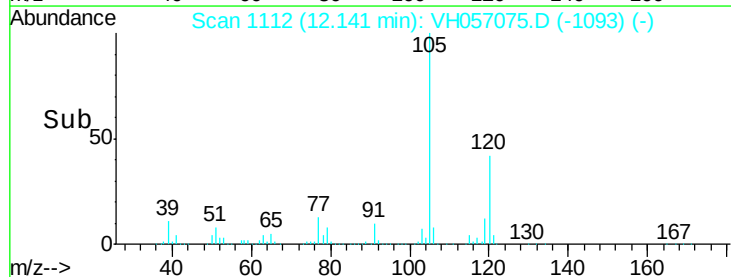
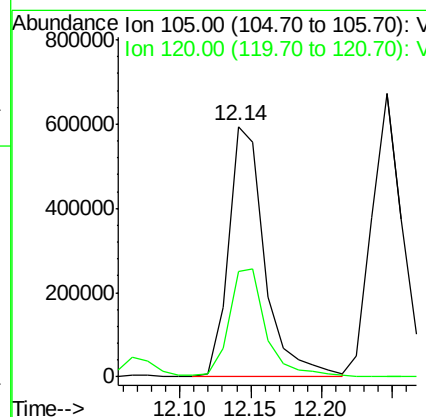
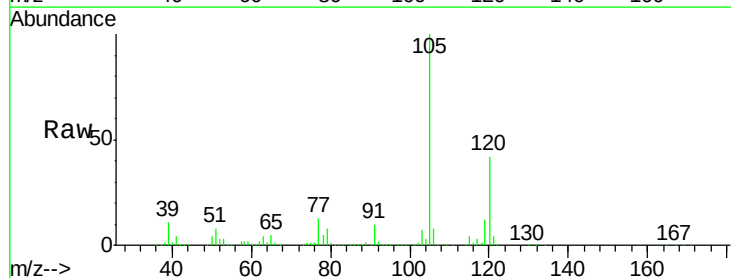
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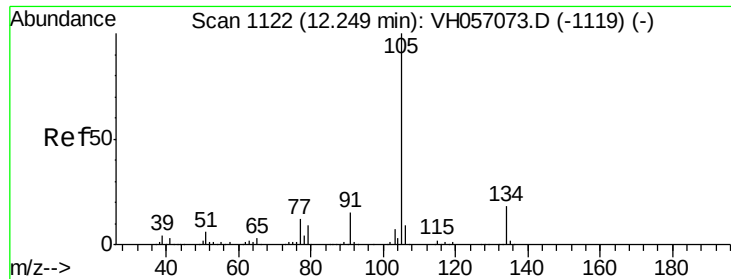
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.61 ug/l
 RT: 12.14 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1052638		
120	42.1		22.6	67.7





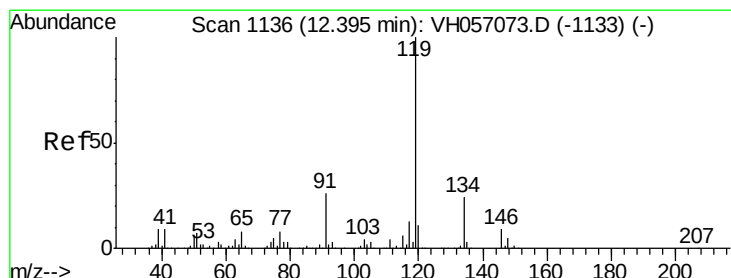
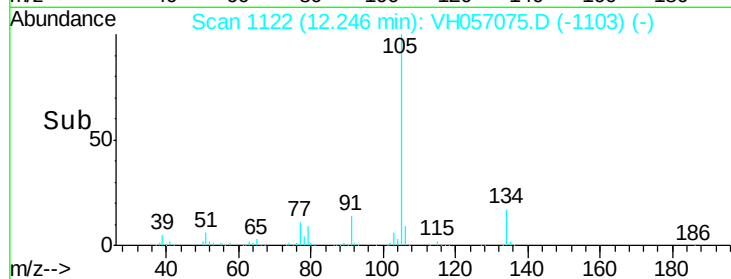
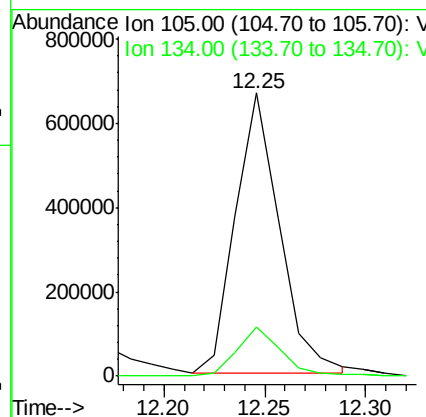
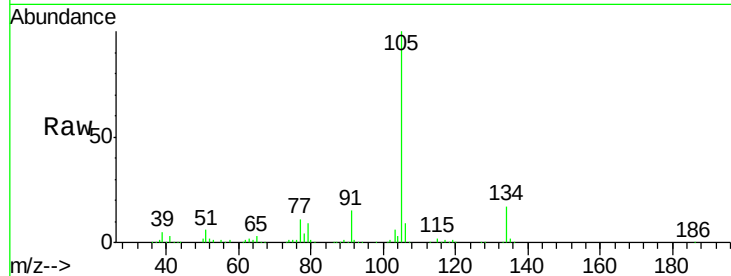
#85
 sec-Butylbenzene
 Concen: 48.64 ug/l
 RT: 12.25 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.5	9.1	27.3

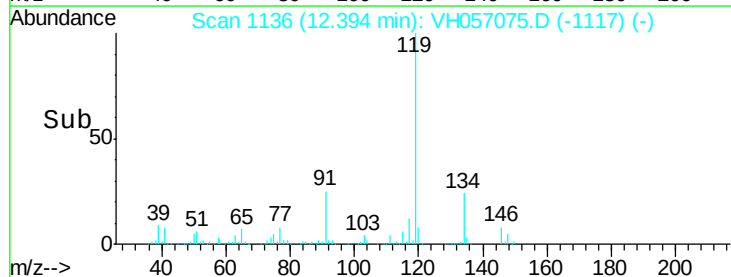
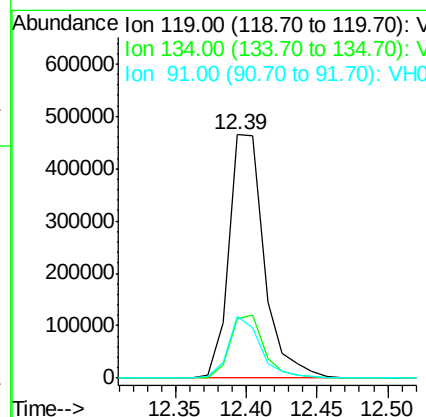
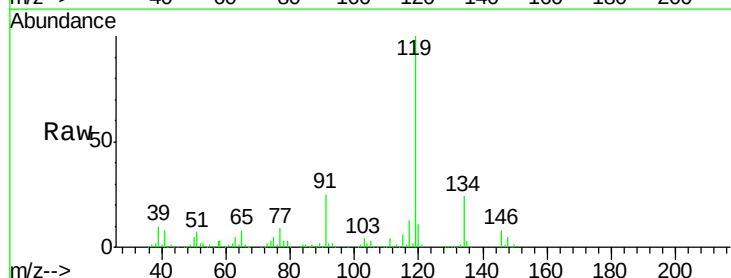
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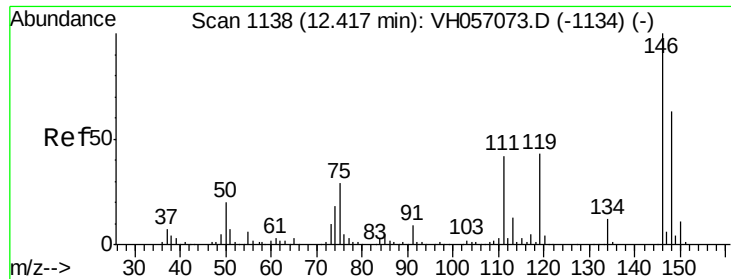
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#86
 p-Isopropyltoluene
 Concen: 51.05 ug/l
 RT: 12.39 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	13.0	38.9
91	25.2	12.5	37.5





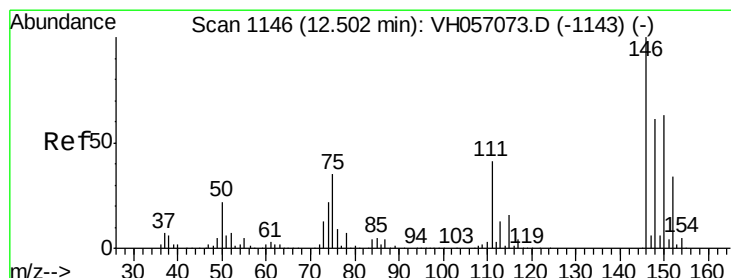
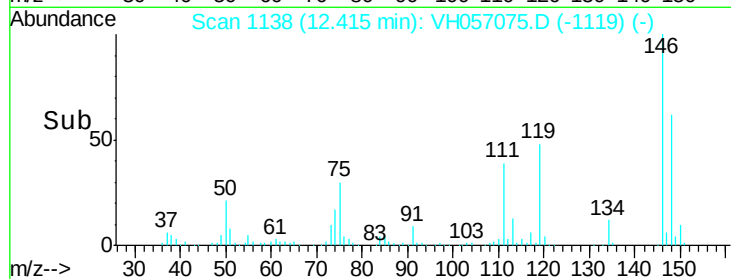
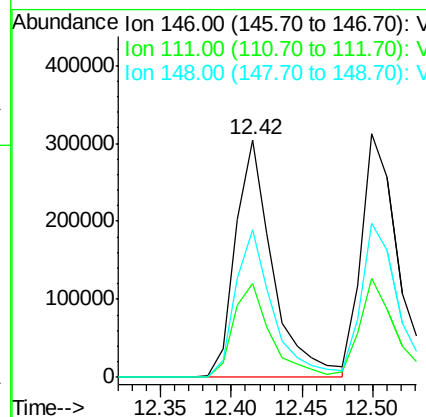
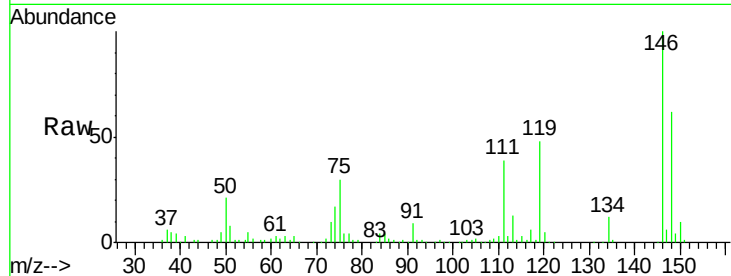
#87
 1,3-Dichlorobenzene
 Concen: 52.99 ug/l
 RT: 12.42 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.0	63.0
148	62.2	31.6	94.7

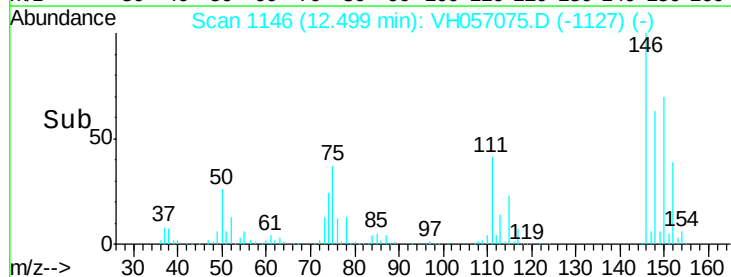
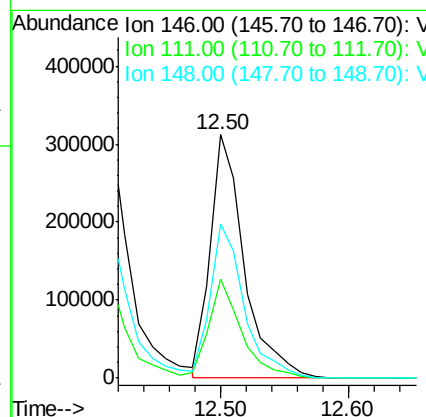
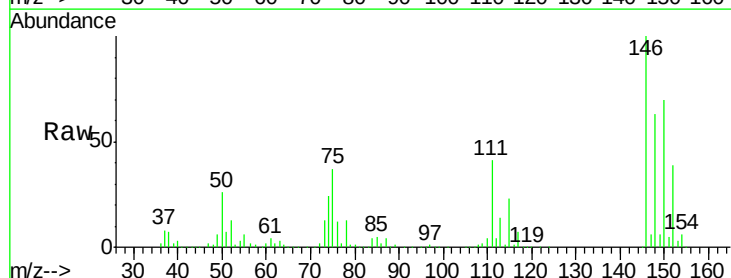
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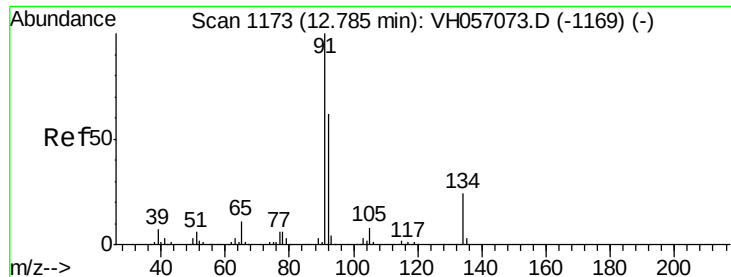
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#88
 1,4-Dichlorobenzene
 Concen: 52.00 ug/l
 RT: 12.50 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.3
148	63.1	30.3	90.9





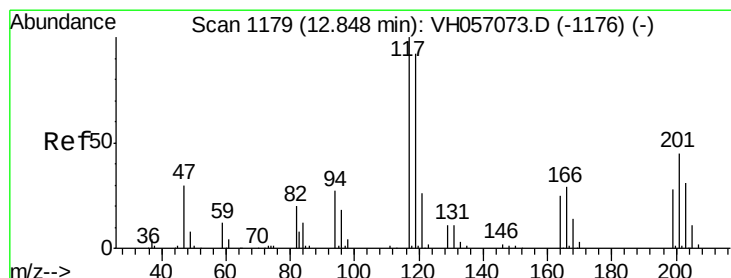
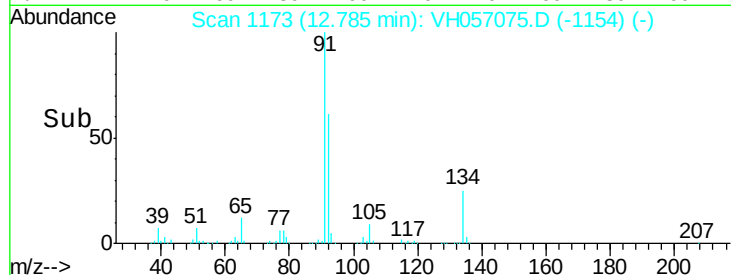
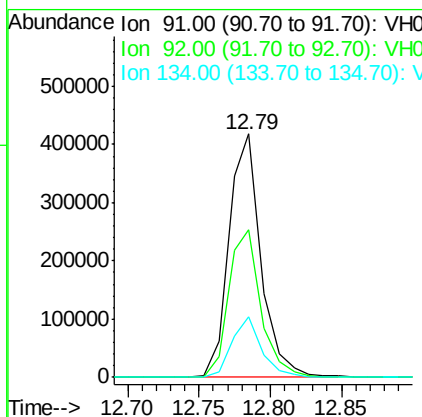
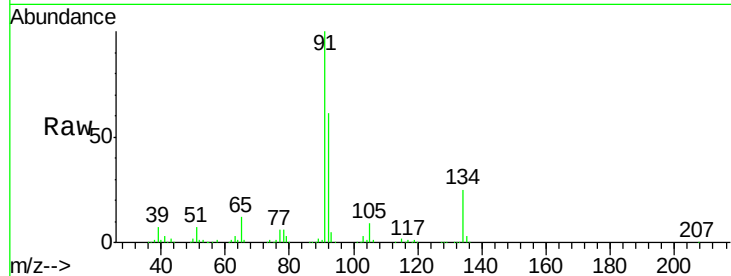
#89
n-Butylbenzene
Concen: 51.59 ug/l
RT: 12.79 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	Ratio	Resp	Lower	Upper
91	100	649968		
92	60.7		31.3	93.9
134	24.8		10.5	31.6

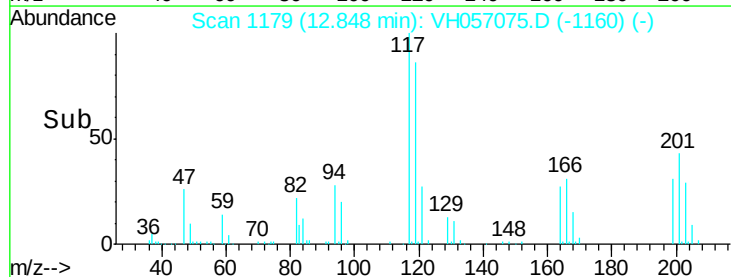
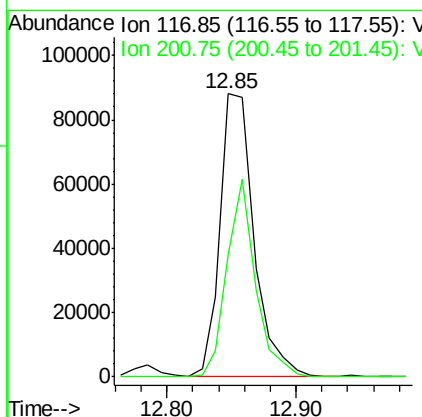
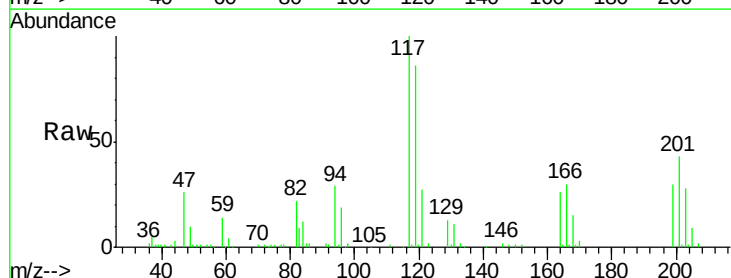
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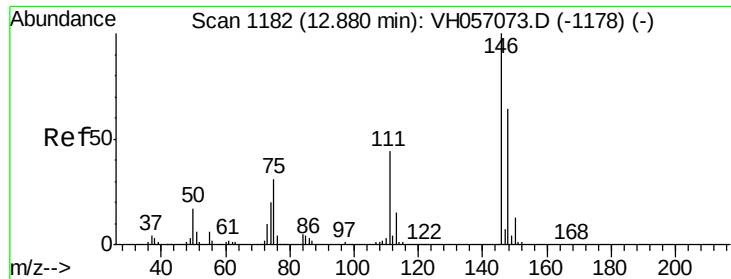
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#90
Hexachloroethane
Concen: 48.64 ug/l
RT: 12.85 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	162272		
201	43.1		14.0	80.8





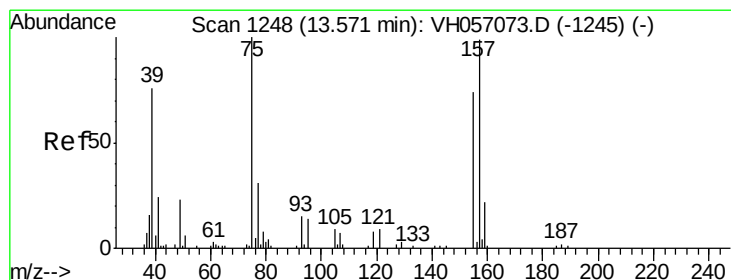
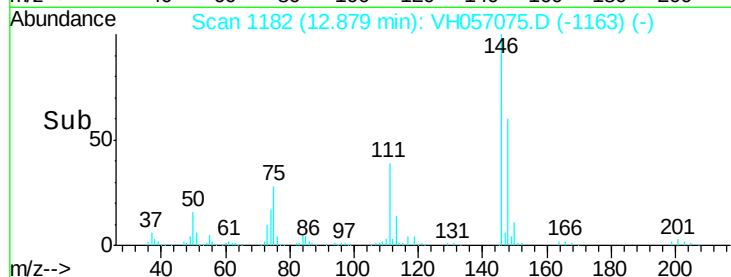
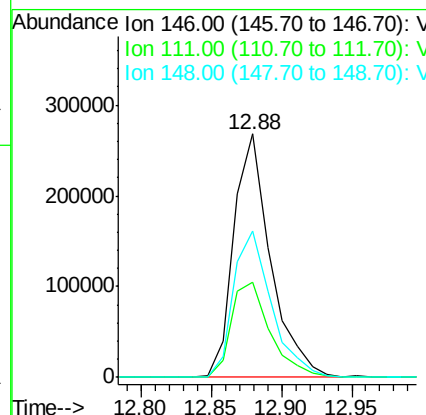
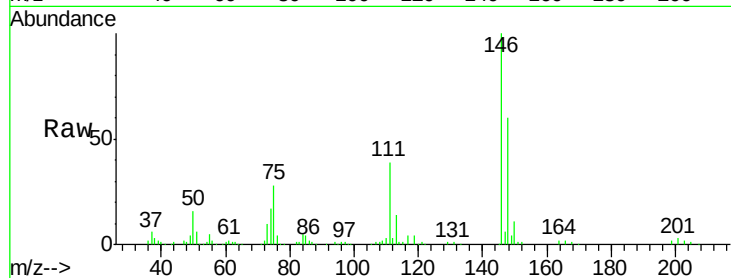
#91
 1,2-Dichlorobenzene
 Concen: 50.71 ug/l
 RT: 12.88 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion	Ratio	Resp	Lower	Upper
146	100	488161		
111	39.2	22.1	66.1	
148	60.1	31.4	94.3	

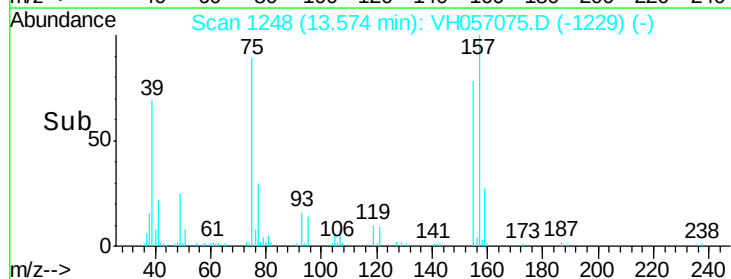
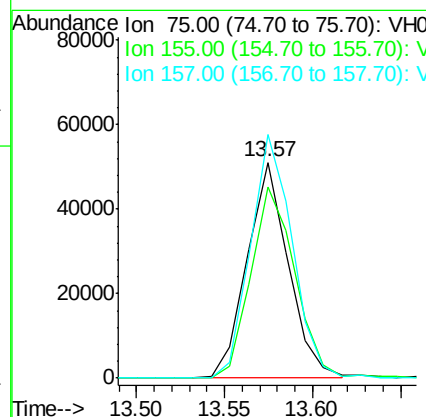
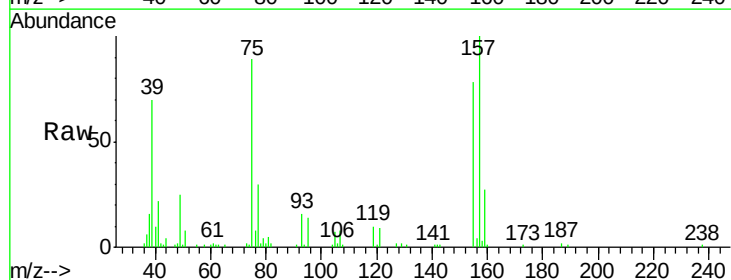
Manual Integrations
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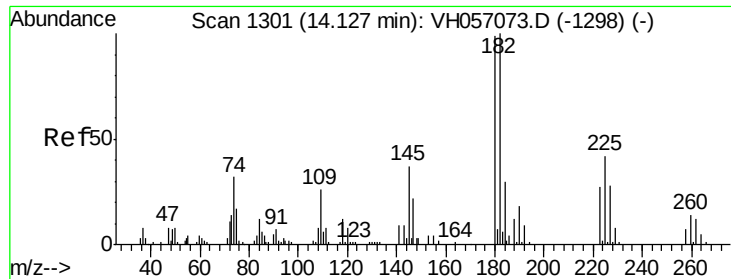
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.88 ug/l
 RT: 13.57 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83025		
155	88.3	43.4	130.2	
157	112.7	62.8	188.4	





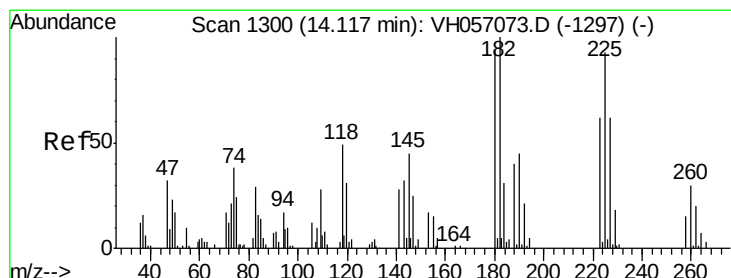
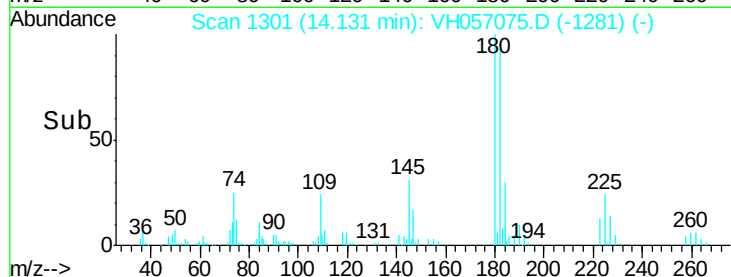
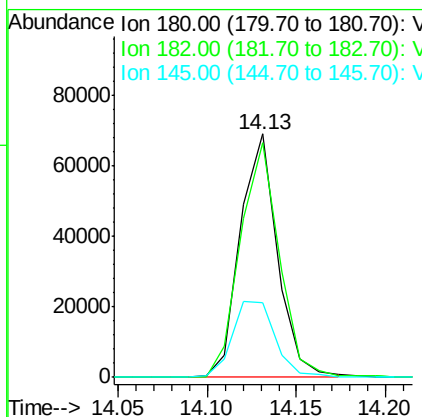
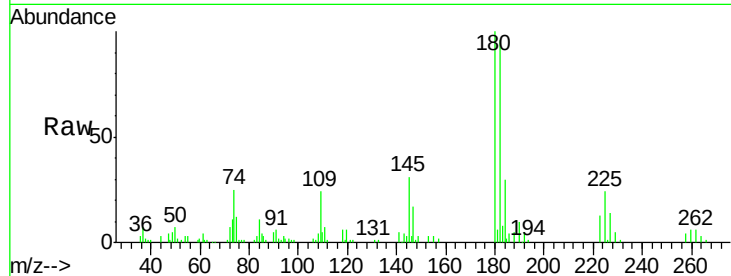
#93
 1,2,4-Trichlorobenzene
 Concen: 46.23 ug/l
 RT: 14.13 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Instrument :
 MSVOA_H
 ClientSampleId :
 ICVVH091715

Tot Ion	Ratio	Resp	Lower	Upper
180	100	99134		
182	96.3	43.0	129.2	
145	30.7	17.3	52.0	

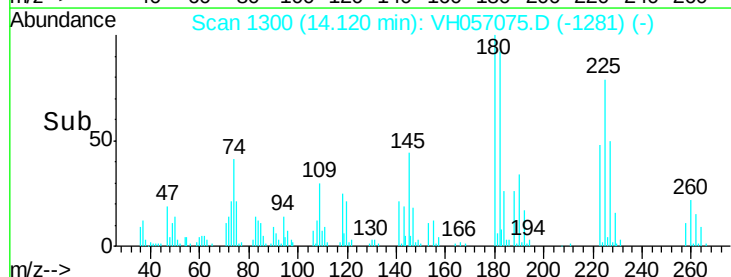
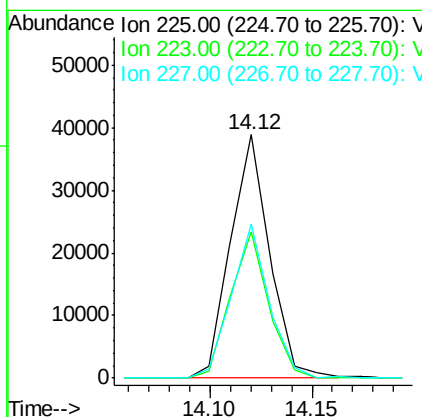
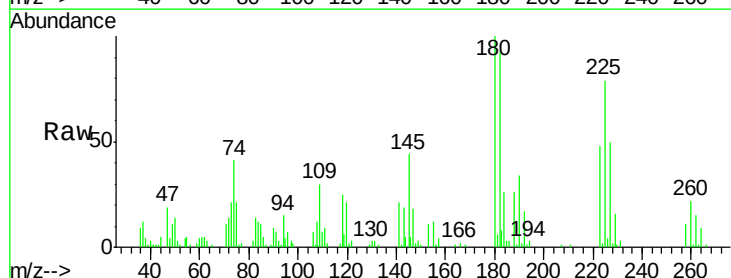
Manual Integrations
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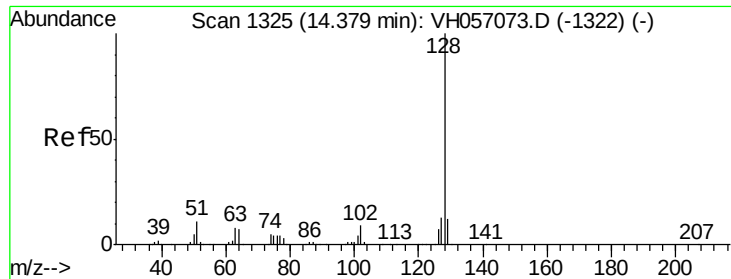
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#94
 Hexachlorobutadiene
 Concen: 51.34 ug/l
 RT: 14.12 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VH057075.D
 Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51133		
223	60.3	30.3	90.8	
227	63.1	30.5	91.5	





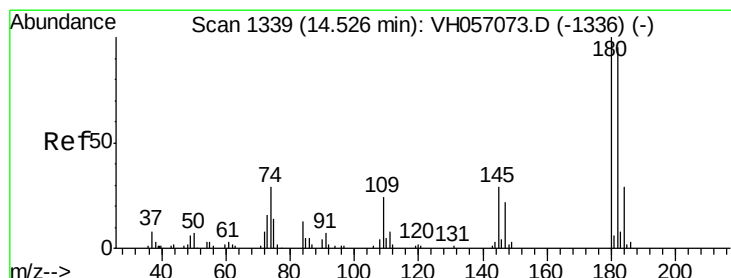
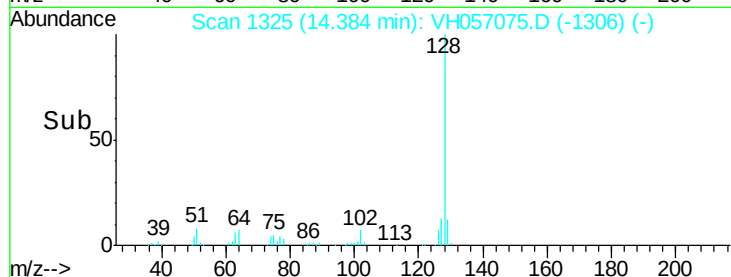
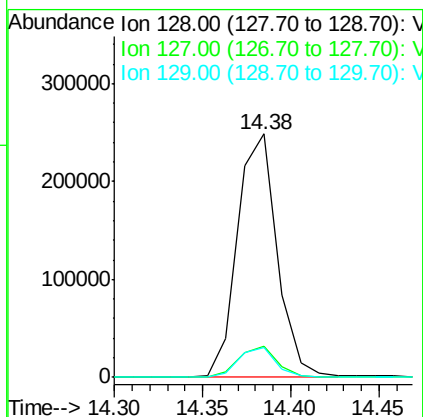
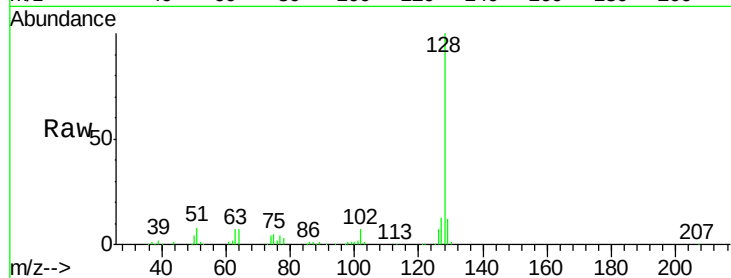
#95
Naphthalene
Concen: 44.94 ug/l
RT: 14.38 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
ICVVH091715

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	9.6	14.4
129	12.3	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 45.40 ug/l
RT: 14.52 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VH057075.D
Acq: 17 Sep 2015 21:18

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.9	47.1	141.3
145	33.5	12.5	37.5

