

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057071.D
 Acq On : 17 Sep 2015 17:40
 Operator : SY/FY
 Sample : VSTDIC020
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:12:30 PM

Quant Time: Sep 18 09:40:40 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:34:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	703587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1274308	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	1060336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	289978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	271661	24.46	ug/l	0.00
Spiked Amount 50.000	Range 66 - 150		Recovery =	48.92%#		
35) Dibromofluoromethane	4.09	113	219152	23.76	ug/l	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	47.52%#		
48) Toluene-d8	7.51	98	640317	26.15	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 121		Recovery =	52.30%#		
62) 4-Bromofluorobenzene	11.36	95	216484	24.26	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	48.52%#		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	169278	19.05	ug/l	98
3) Chloromethane	1.02	50	222792	17.95	ug/l	98
4) Vinyl Chloride	1.09	62	191364	18.74	ug/l	94
5) Bromomethane	1.27	94	92028	18.26	ug/l	90
6) Chloroethane	1.35	64	86603	16.89	ug/l #	84
7) Trichlorofluoromethane	1.41	101	174296m	22.99	ug/l	
8) Tert butyl alcohol	2.54	59	225963	96.63	ug/l #	97
9) Diethyl Ether	1.62	74	89409	17.72	ug/l	83
10) Diisopropyl ether	2.78	45	624574	17.07	ug/l	98
11) 1,1-Dichloroethene	1.75	96	126437	17.67	ug/l	86
12) Methyl Iodide	1.86	142	233149	19.70	ug/l	94
13) Acrolein	1.97	56	134532	88.19	ug/l	96
14) 1,1,2-Trichlorotrifluoroet	1.80	101	133408	19.46	ug/l	98
15) Acrylonitrile	2.91	53	409627	78.47	ug/l	96
16) Allyl Chloride	2.08	41	276880	16.85	ug/l	91
17) Acetone	2.21	43	629487	109.65	ug/l	98
18) Carbon Disulfide	1.77	76	409770	18.64	ug/l	99
19) Methyl Acetate	2.32	43	668052	16.31	ug/l	98
20) Methyl tert-butyl Ether	2.41	73	522276	18.72	ug/l	100
21) Methylene Chloride	2.15	84	142973m	17.54	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	142601	18.07	ug/l	95
23) Vinyl Acetate	3.16	43	1497146	93.43	ug/l	100
24) 1,1-Dichloroethane	2.85	63	313265	18.26	ug/l	98
25) 2-Butanone	4.30	43	1167627	92.14	ug/l	98
26) 2,2-Dichloropropane	3.57	77	211013	22.39	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	196638	19.77	ug/l	96
28) Bromochloromethane	3.69	128	70722	19.05	ug/l	92
29) Chloroform	3.84	83	349971	19.46	ug/l	96
30) Cyclohexane	3.68	56	254856	19.46	ug/l	86
31) Tetrahydrofuran	4.06	42	658679	89.45	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	273687	21.92	ug/l	96
36) 1,1-Dichloropropene	4.26	75	274165	20.98	ug/l	99
37) Ethyl acetate	4.09	43	522216	19.11	ug/l #	55
38) Carbon Tetrachloride	3.96	117	224987m	21.84	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.61	78	676232	20.60	ug/l	100
40) Methacrylonitrile	4.71	41	235381	18.56	ug/l	93
41) 1,2-Dichloroethane	4.91	62	297274	21.12	ug/l	95
42) Isopropyl Acetate	5.46	43	673239	19.05	ug/l	95
43) Trichloroethene	5.48	130	170543	20.89	ug/l	97
44) Methylcyclohexane	5.43	83	151458	18.73	ug/l	98
45) 1,2-Dichloropropane	6.20	63	208136	19.71	ug/l	99
46) Dibromomethane	6.06	93	139756	21.06	ug/l	92
47) Bromodichloromethane	6.35	83	284904	21.03	ug/l	95
49) 4-Methyl-2-Pentanone	8.22	43	2165836	99.99	ug/l	95
50) Toluene	7.58	92	425231	20.26	ug/l	94
51) t-1,3-Dichloropropene	8.24	75	314141	20.14	ug/l	96
52) Methyl Methacrylate	6.69	69	207937	19.53	ug/l	98
53) 1,4-Dioxane	6.68	88	53164	508.68	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	337762	19.85	ug/l	96
55) 1,1,2-Trichloroethane	8.44	97	188179	22.01	ug/l	91
56) Ethyl Methacrylate	8.57	69	357154	20.15	ug/l	99
57) 1,3-Dichloropropane	8.80	76	367334	20.49	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.26	63	989623	65.02	ug/l	99
59) 2-Hexanone	9.44	43	1621667	102.68	ug/l	98
60) Dibromochloromethane	8.67	129	199353	20.55	ug/l	99
61) 1,2-Dibromoethane	8.93	107	203627	20.34	ug/l	99
64) Tetrachloroethene	8.11	164	121965	20.42	ug/l	93
65) Chlorobenzene	9.74	112	437642	19.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.87	131	156053	20.08	ug/l	94
67) Ethyl Benzene	9.85	106	209187	18.85	ug/l	92
68) m/p-Xylenes	10.08	106	512404	38.44	ug/l	100
69) o-Xylene	10.66	106	242213	18.82	ug/l	93
70) Styrene	10.74	104	424163	19.56	ug/l	97
71) Bromoform	10.72	173	126807	19.93	ug/l	99
73) Isopropylbenzene	11.07	105	554832	20.36	ug/l	99
74) n-Amyl Acetate	11.33	43	548785	18.52	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.64	83	283861	20.15	ug/l	99
76) 1,2,3-Trichloropropane	11.74	75	215579	19.66	ug/l	88
77) Bromobenzene	11.44	156	152916	20.81	ug/l	91
78) n-propylbenzene	11.54	91	579429	20.22	ug/l	97
79) 2-Chlorotoluene	11.66	91	355583	20.48	ug/l	96
80) 1,3,5-Trimethylbenzene	11.77	105	356153	21.13	ug/l	100
81) trans-1,4-Dichloro-2-Buten	11.81	75	150981	18.03	ug/l	93
82) 4-Chlorotoluene	11.84	91	410144	19.77	ug/l	92
83) tert-Butylbenzene	12.07	119	328449	20.71	ug/l	98
84) 1,2,4-Trimethylbenzene	12.15	105	354916	20.83	ug/l	100
85) sec-Butylbenzene	12.24	105	370226	21.94	ug/l	94
86) p-Isopropyltoluene	12.40	119	267141	20.65	ug/l	95
87) 1,3-Dichlorobenzene	12.41	146	176597	20.13	ug/l	93
88) 1,4-Dichlorobenzene	12.51	146	182287	19.74	ug/l	98
89) n-Butylbenzene	12.78	91	215594	21.26	ug/l	99
90) Hexachloroethane	12.85	117	55624	20.20	ug/l	85
91) 1,2-Dichlorobenzene	12.87	146	160275	21.24	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.58	75	30033	21.04	ug/l	92

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QLast Update : Fri Sep 18 09:34:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	31128	22.94	ug/l	97
94) Hexachlorobutadiene	14.12	225	15473	22.62	ug/l	87
95) Naphthalene	14.38	128	116643	19.98	ug/l	95
96) 1,2,3-Trichlorobenzene	14.53	180	16974	19.71	ug/l	84

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

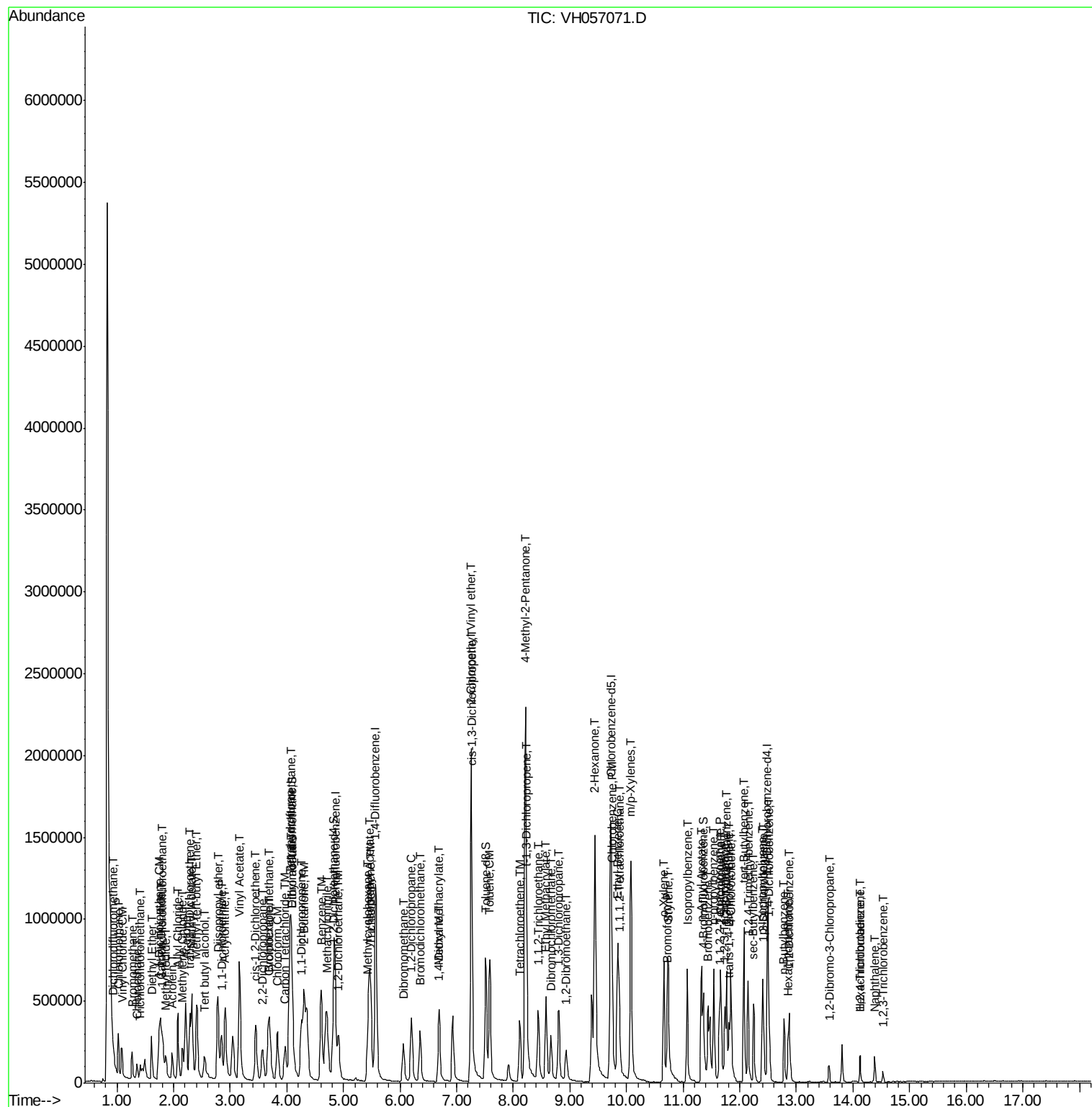
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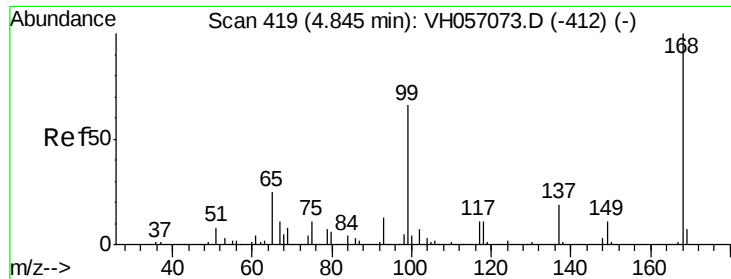
Instrument :
 MSVOA_H
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 420

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 703587

Ion Ratio Lower Upper

168 100

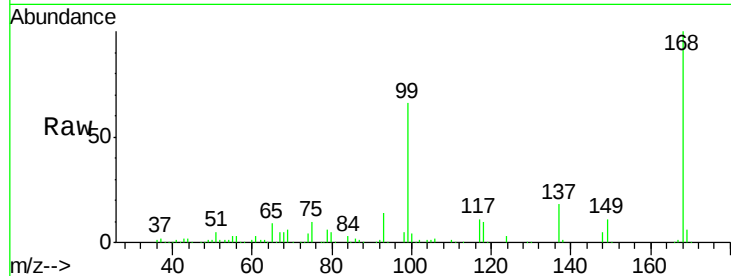
99 66.1 55.8 83.6

Manual Integrations

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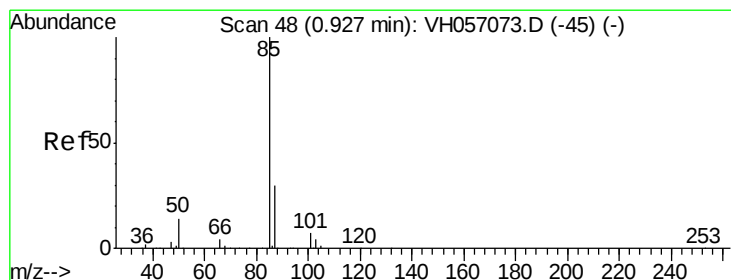
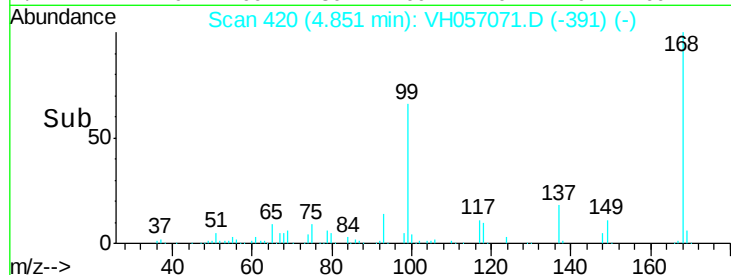
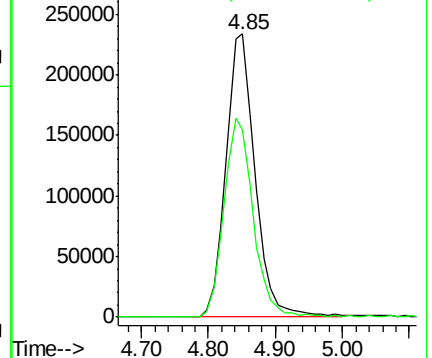
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VHC



#2

Dichlorodifluoromethane

Concen: 19.05 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057071.D

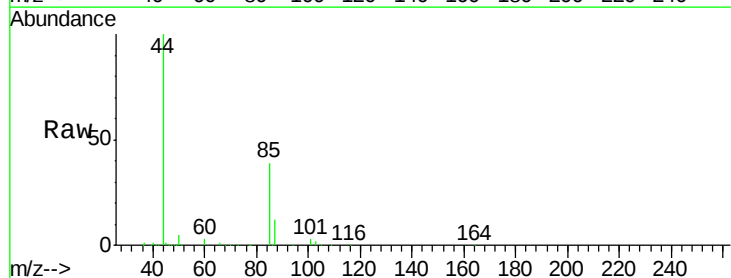
Acq: 17 Sep 2015 17:40

Tgt Ion: 85 Resp: 169278

Ion Ratio Lower Upper

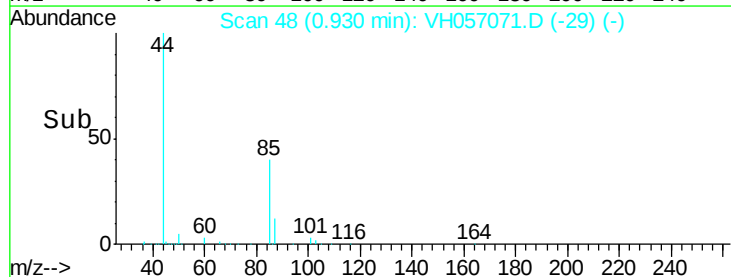
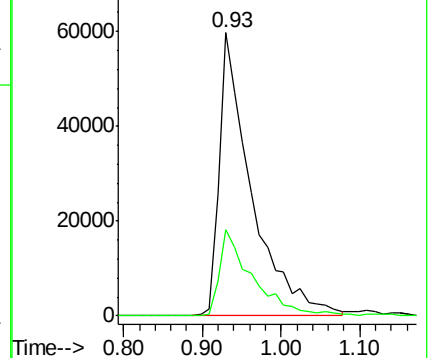
85 100

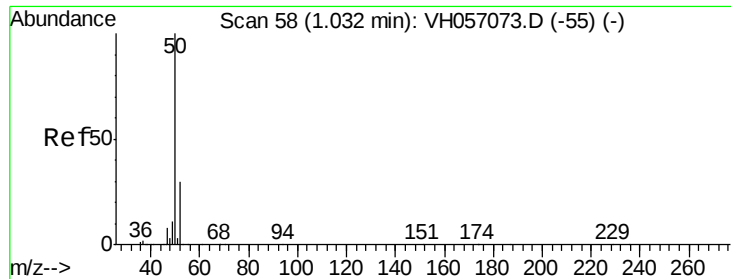
87 30.7 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VHC

Ion 87.00 (86.70 to 87.70): VHC





#3

Chloromethane

Concen: 17.95 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 222792

Ion Ratio Lower Upper

50 100

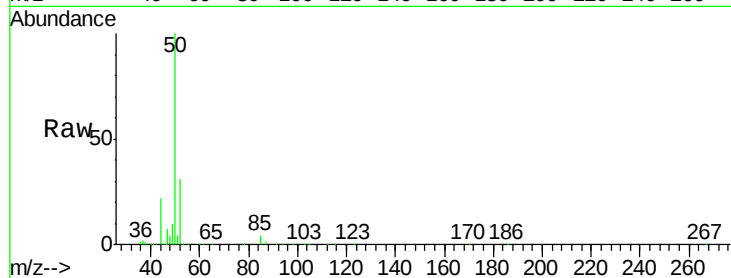
52 31.4 25.8 38.8

Manual Integrations

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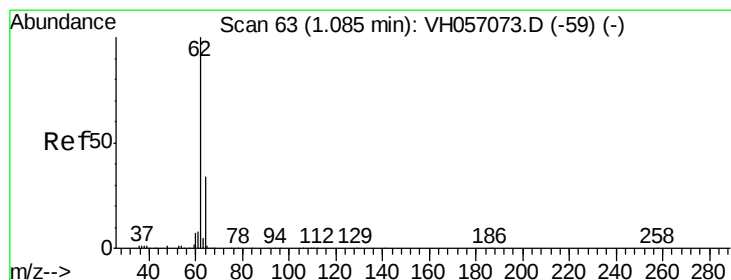
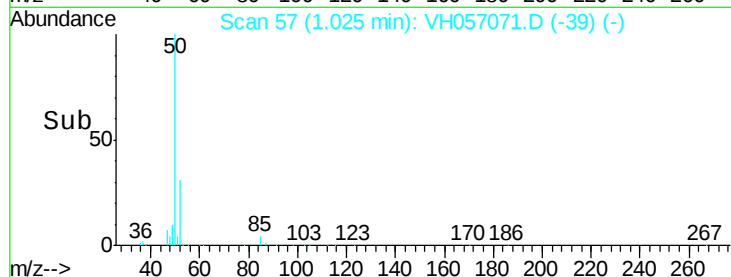
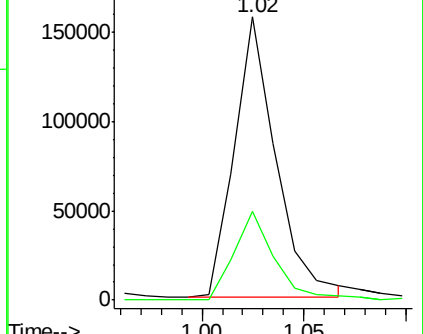
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Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0



#4

Vinyl Chloride

Concen: 18.74 ug/l

RT: 1.09 min Scan# 63

Delta R.T. 0.00 min

Lab File: VH057071.D

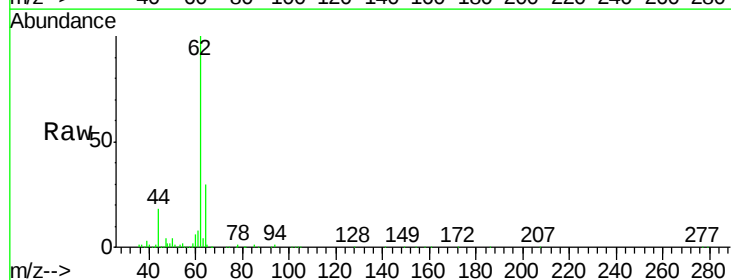
Acq: 17 Sep 2015 17:40

Tgt Ion: 62 Resp: 191364

Ion Ratio Lower Upper

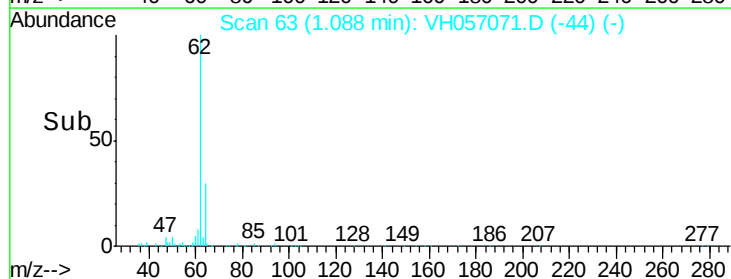
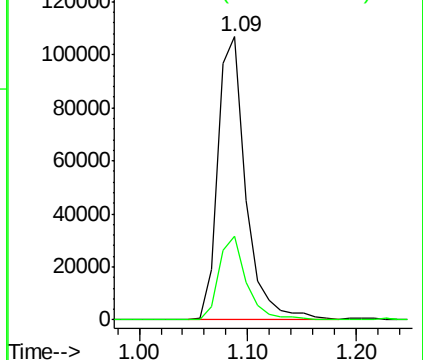
62 100

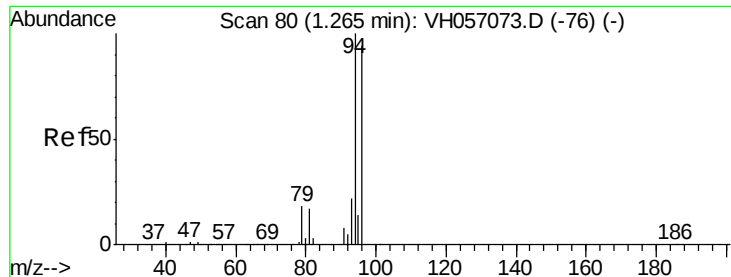
64 29.7 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 64.00 (63.70 to 64.70): VH0





#5

Bromomethane

Concen: 18.26 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

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Tot Ion: 94 Resp: 92028

Ion Ratio Lower Upper

94 100

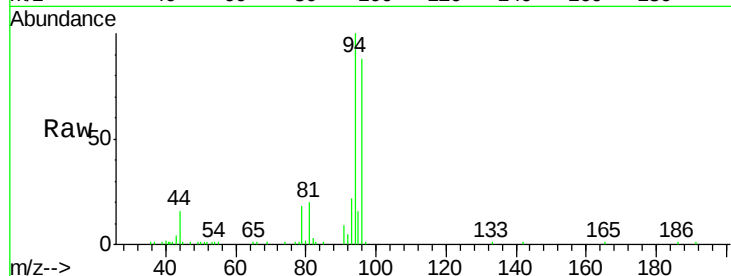
96 88.3 78.5 117.7

Manual Integrations

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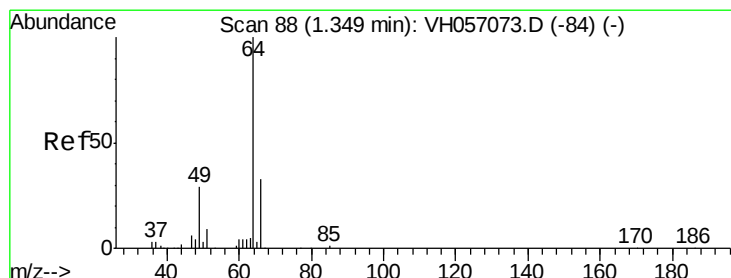
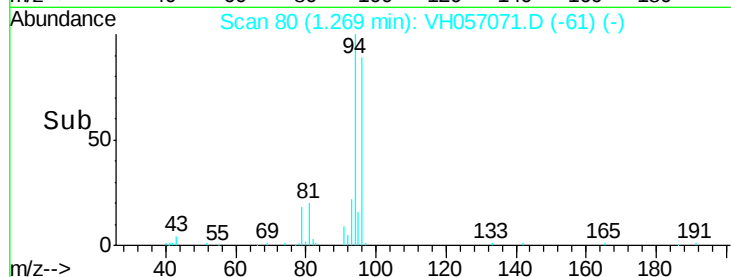
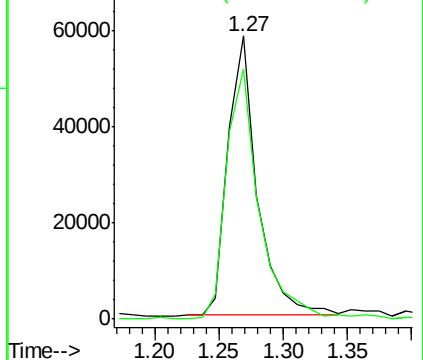
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Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 16.89 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057071.D

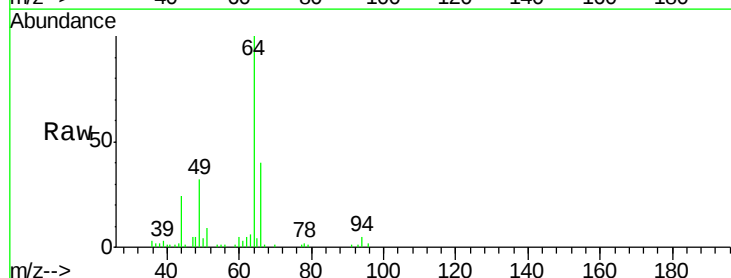
Acq: 17 Sep 2015 17:40

Tgt Ion: 64 Resp: 86603

Ion Ratio Lower Upper

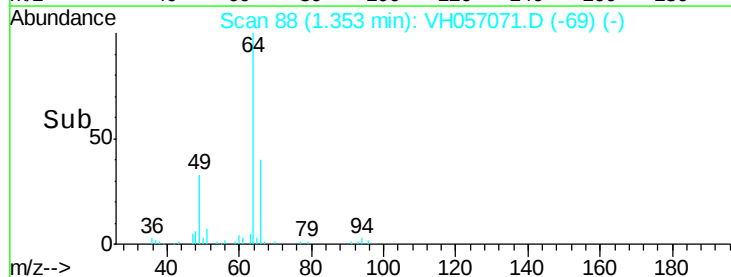
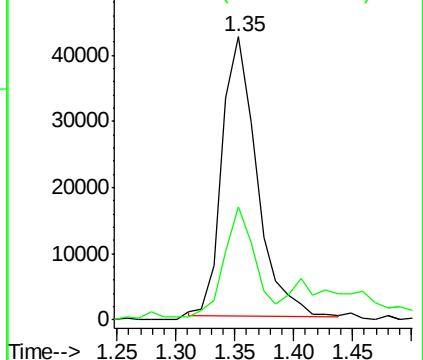
64 100

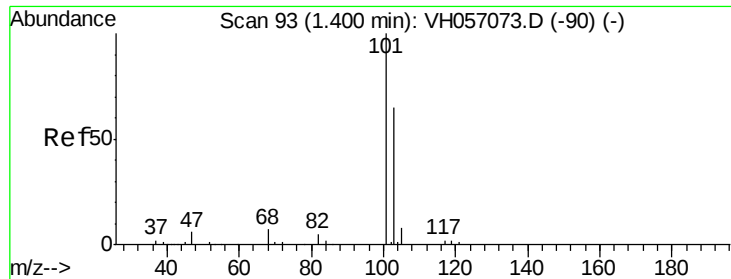
66 40.1 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

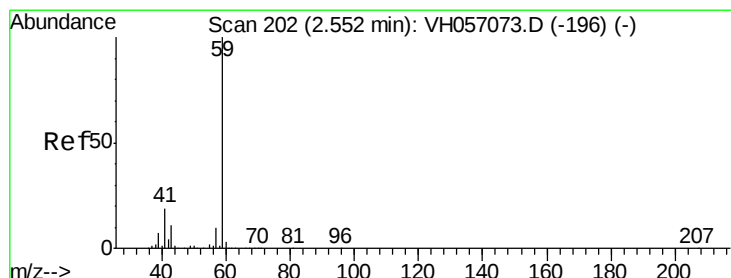
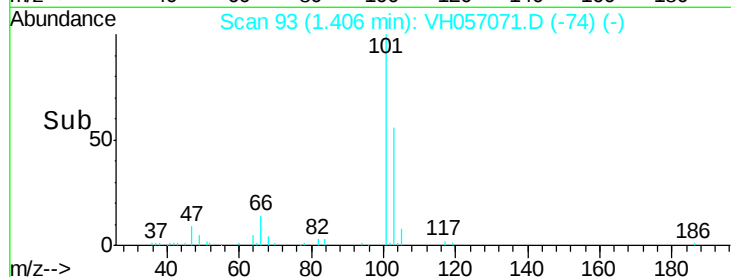
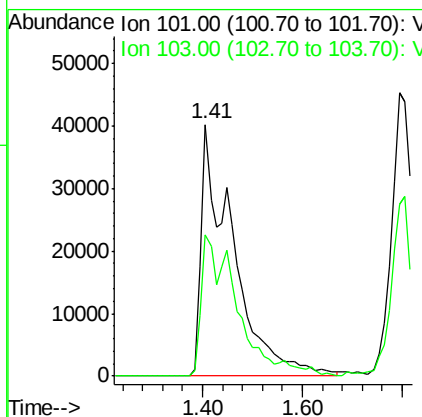
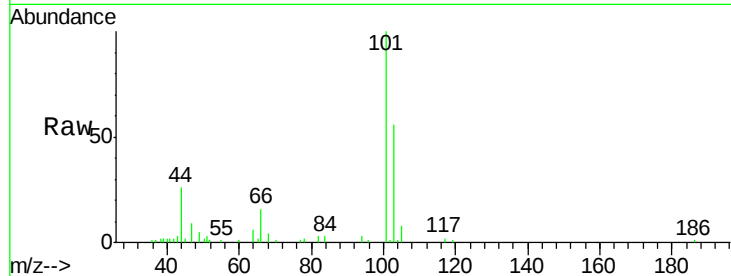
Trichlorofluoromethane
Concen: 22.99 ug/l m
RT: 1.41 min Scan# 93
Delta R.T. 0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

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Tot Ion	Ratio	Lower	Upper
101	100		
103	56.1	54.9	82.3

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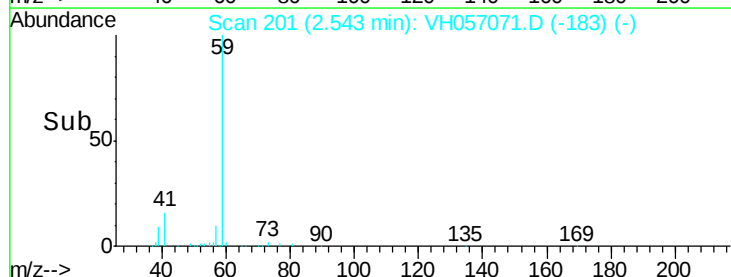
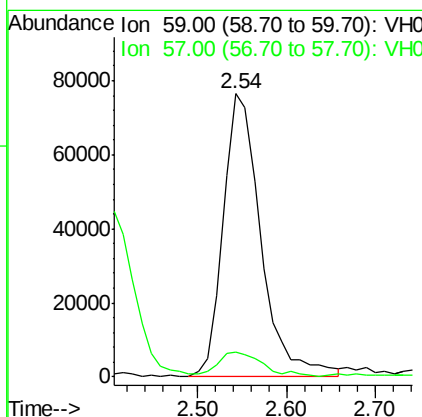
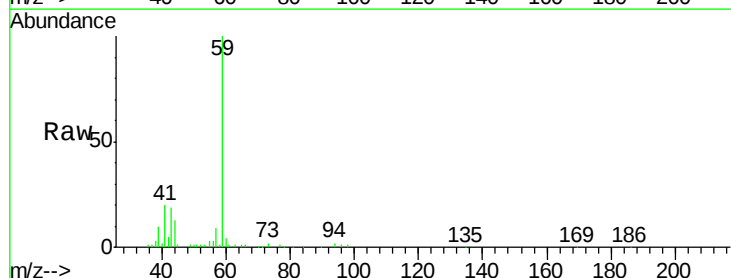
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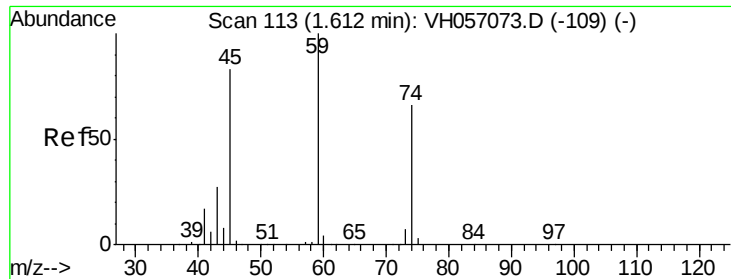


#8

Tert butyl alcohol
Concen: 96.63 ug/l
RT: 2.54 min Scan# 201
Delta R.T. -0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.9	9.0	11.0#





#9

Diethyl Ether

Concen: 17.72 ug/l

RT: 1.62 min Scan# 113

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 74 Resp: 89409

Ion Ratio Lower Upper

74 100

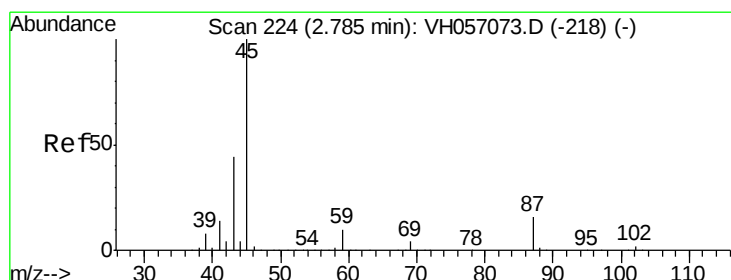
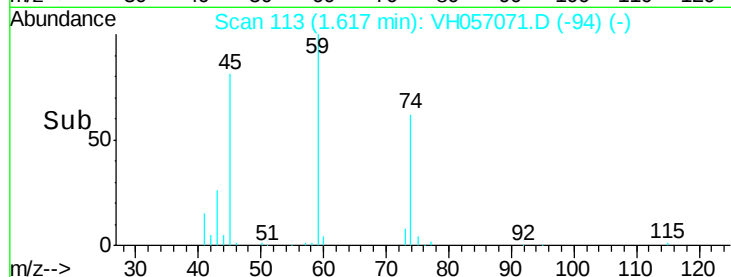
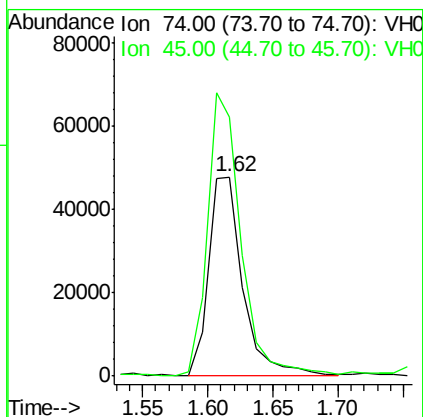
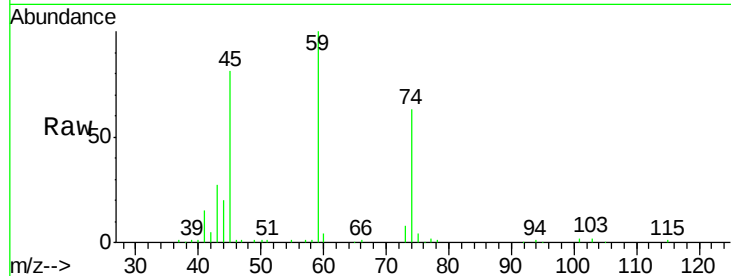
45 130.2 0.0 304.4

Manual Integrations

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MMDadoda

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#10

Diisopropyl ether

Concen: 17.07 ug/l

RT: 2.78 min Scan# 224

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion: 45 Resp: 624574

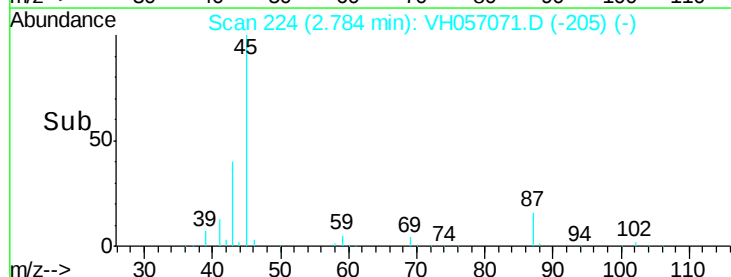
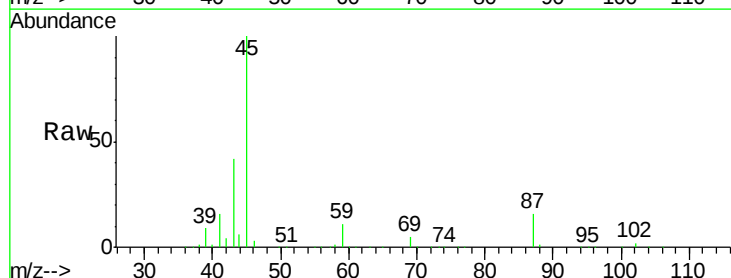
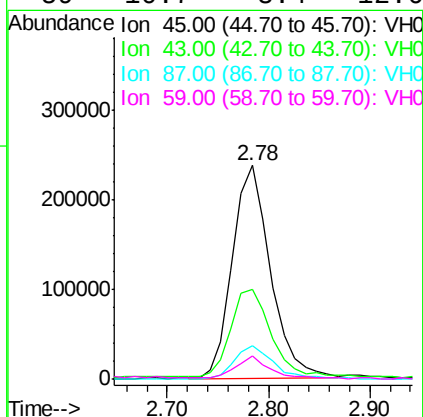
Ion Ratio Lower Upper

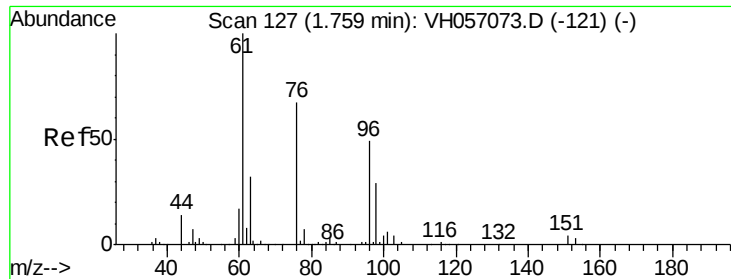
45 100

43 41.8 34.6 52.0

87 15.5 12.6 19.0

59 10.7 8.4 12.6





#11

1,1-Dichloroethene

Concen: 17.67 ug/l

RT: 1.75 min Scan# 126

Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

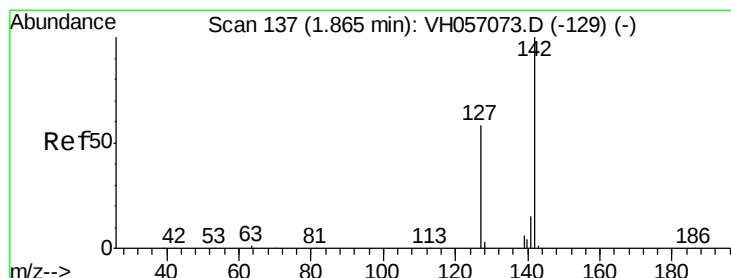
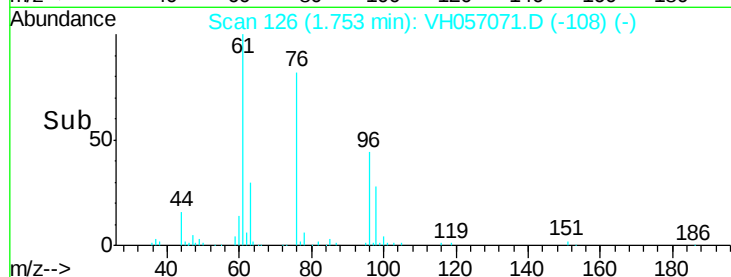
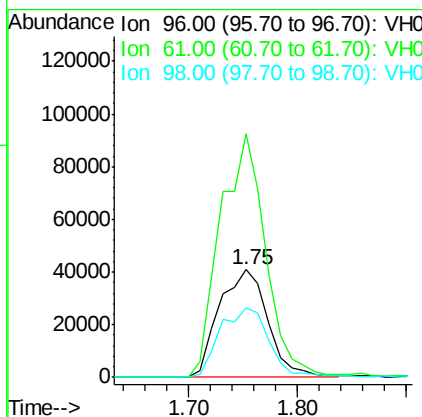
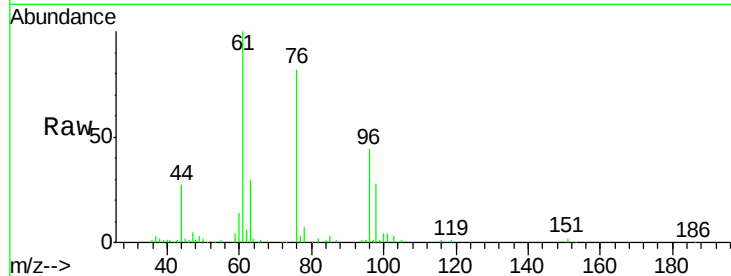
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	126437
Ion	Ratio	Lower	Upper
96	100		
61	225.8	158.4	237.6
98	64.0	50.6	75.8

Manual Integrations
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#12

Methyl Iodide

Concen: 19.70 ug/l

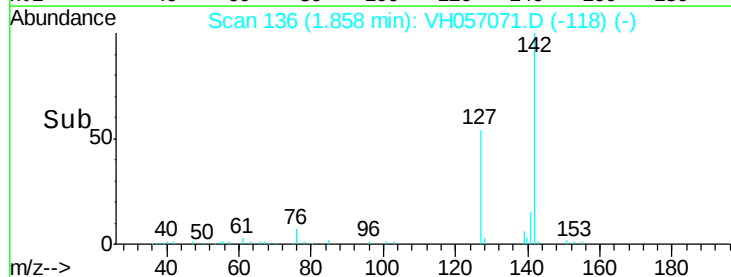
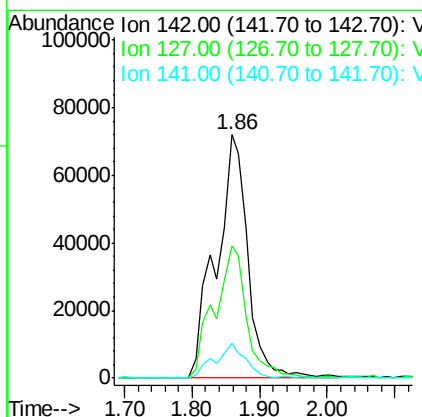
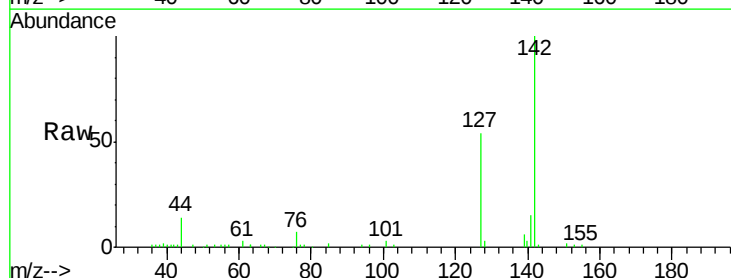
RT: 1.86 min Scan# 136

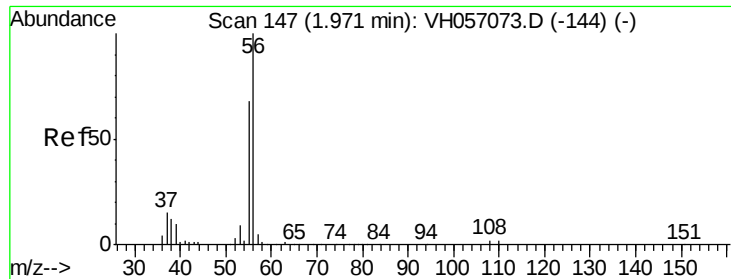
Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:	142	Resp:	233149
Ion	Ratio	Lower	Upper
142	100		
127	54.4	30.0	90.1
141	14.5	7.1	21.4





#13

Acrolein

Concen: 88.19 ug/l

RT: 1.97 min Scan# 147

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 134532

Ion Ratio Lower Upper

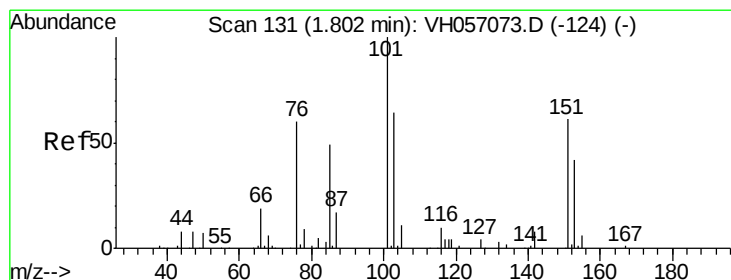
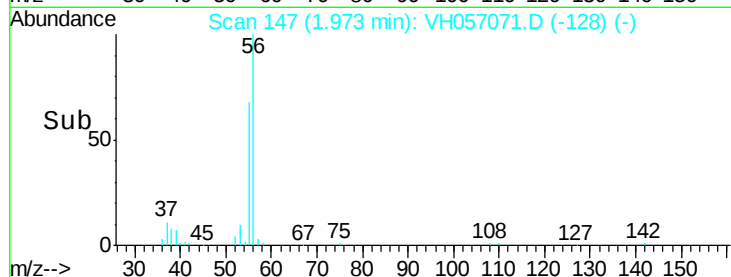
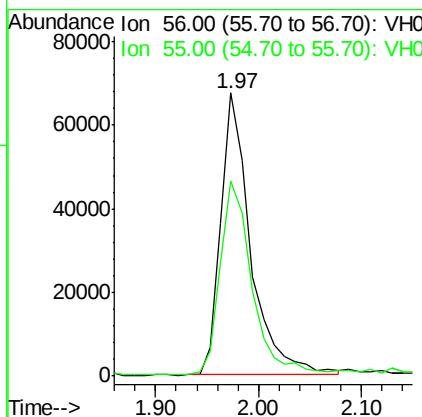
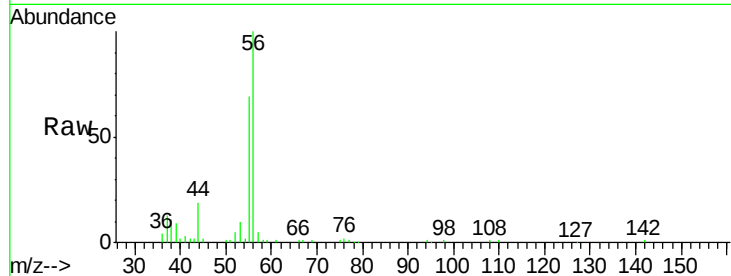
56 100

55 68.9 52.9 79.3

Manual Integrations
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MMDadoda

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#14

1,1,2-Trichlorotrifluoroethane

Concen: 19.46 ug/l

RT: 1.80 min Scan# 130

Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

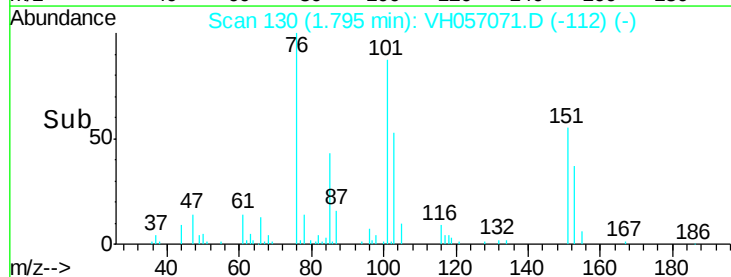
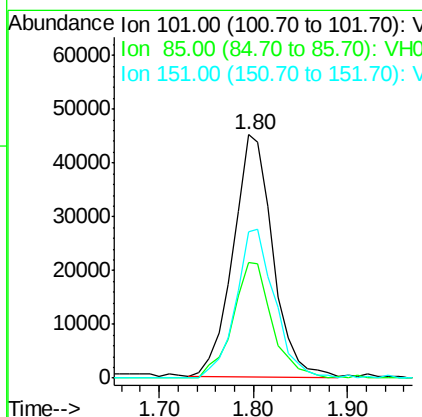
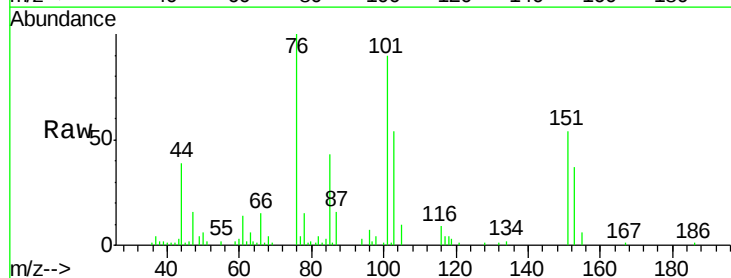
Tgt Ion:101 Resp: 133408

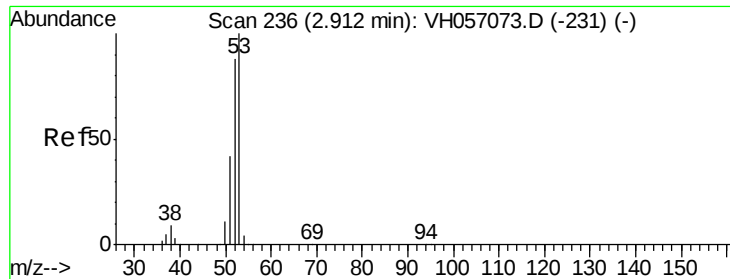
Ion Ratio Lower Upper

101 100

85 47.7 37.9 56.9

151 60.3 50.6 76.0





#15

Acrylonitrile

Concen: 78.47 ug/l

RT: 2.91 min Scan# 236

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

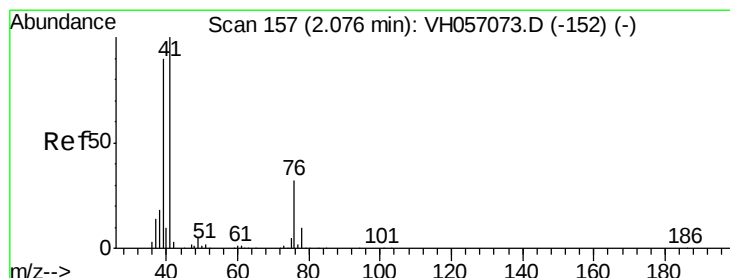
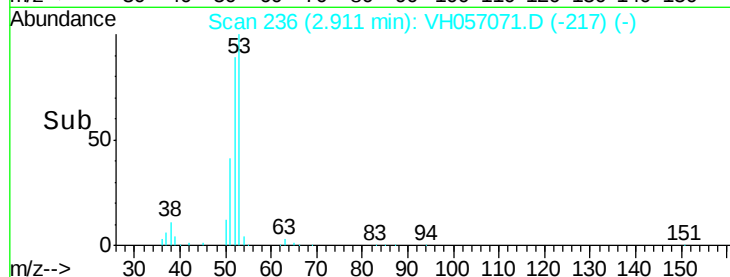
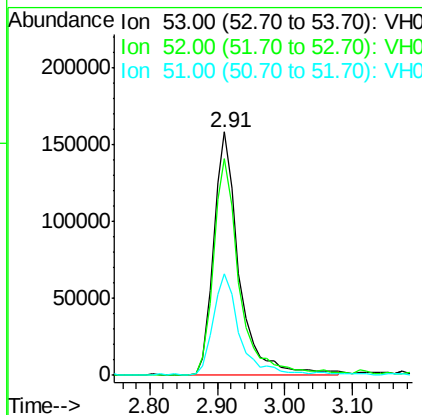
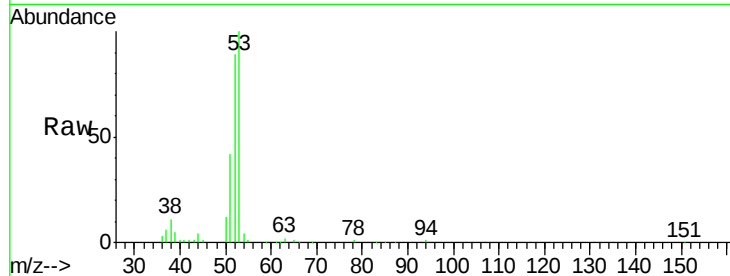
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	409627
Ion	Ratio	Lower	Upper
53	100		
52	89.2	67.6	101.4
51	41.5	31.8	47.6

Manual Integrations
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#16

Allyl Chloride

Concen: 16.85 ug/l

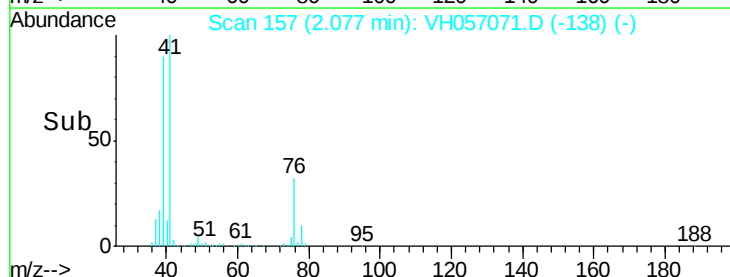
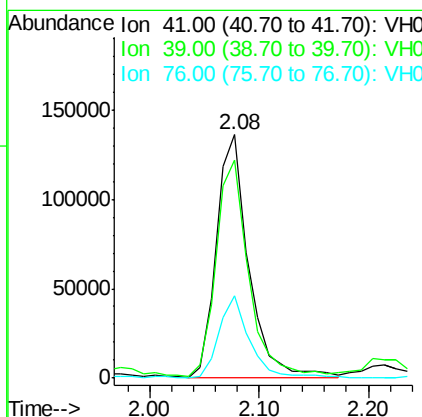
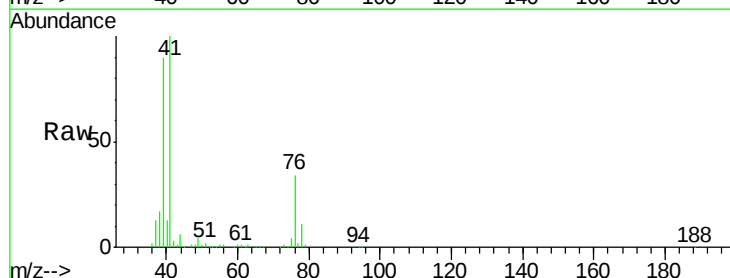
RT: 2.08 min Scan# 157

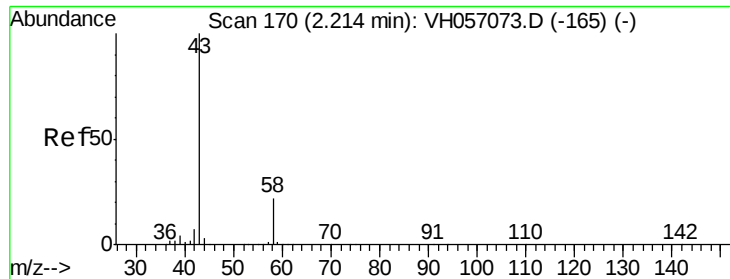
Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:	41	Resp:	276880
Ion	Ratio	Lower	Upper
41	100		
39	89.7	41.0	123.2
76	33.7	14.3	42.9





#17

Acetone

Concen: 109.65 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 629487

Ion Ratio Lower Upper

43 100

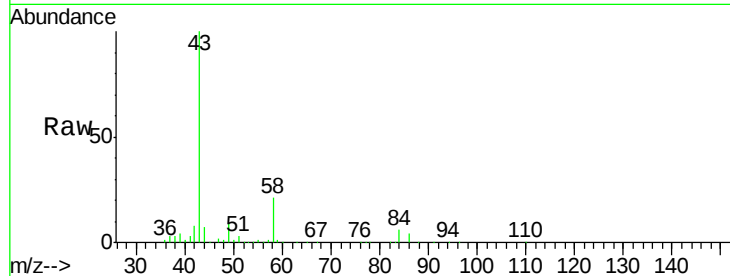
58 21.1 17.7 26.5

Manual Integrations

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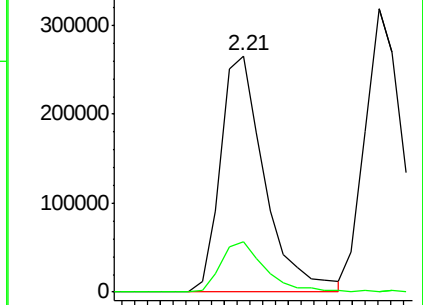
MMDadoda

9/18/2015 3:12:30 PM

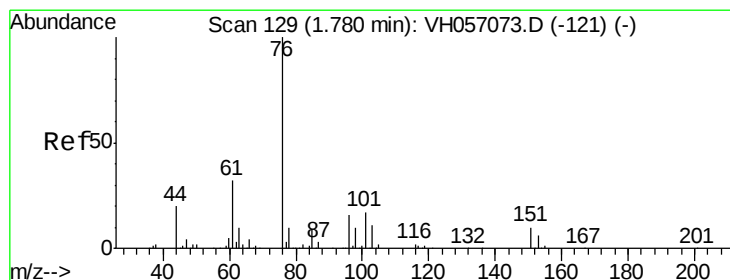
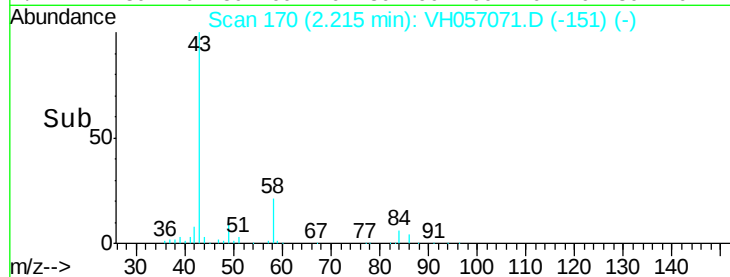


Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



Time-->



#18

Carbon Disulfide

Concen: 18.64 ug/l

RT: 1.77 min Scan# 128

Delta R.T. -0.01 min

Lab File: VH057071.D

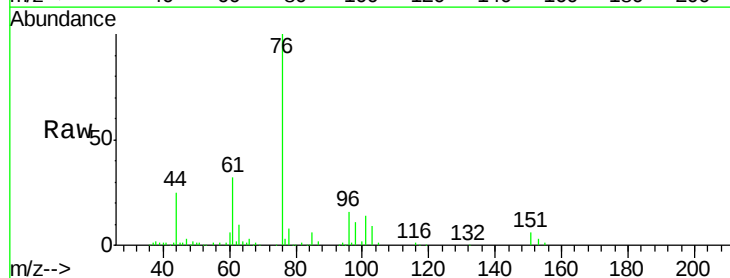
Acq: 17 Sep 2015 17:40

Tgt Ion: 76 Resp: 409770

Ion Ratio Lower Upper

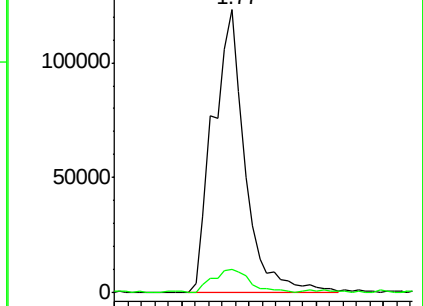
76 100

78 8.4 7.1 10.7

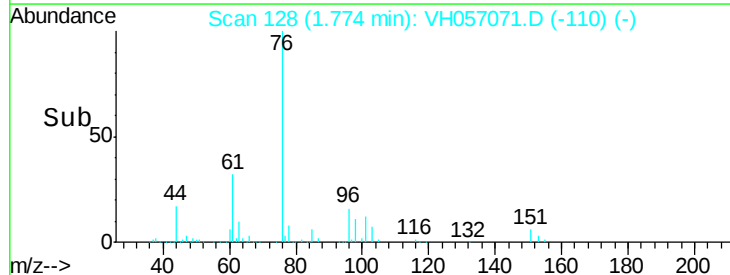


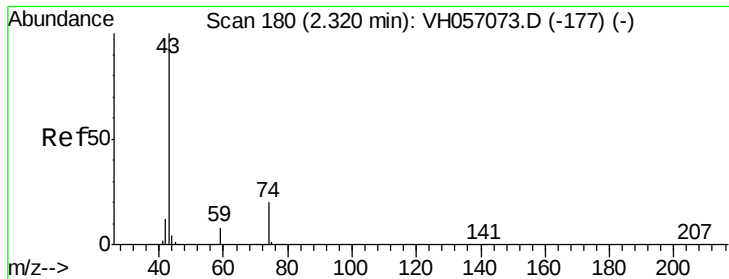
Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0



Time-->





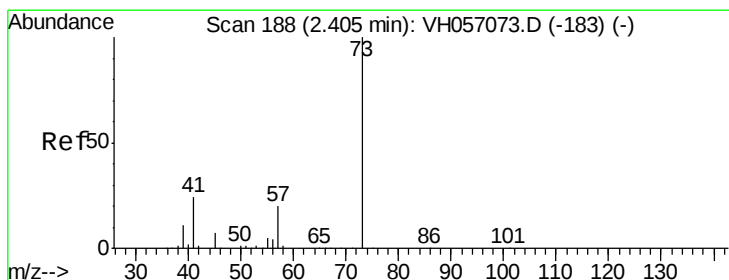
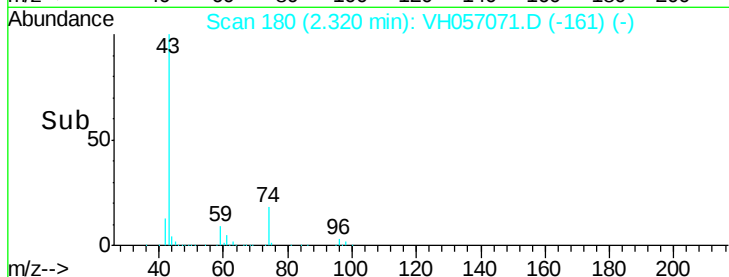
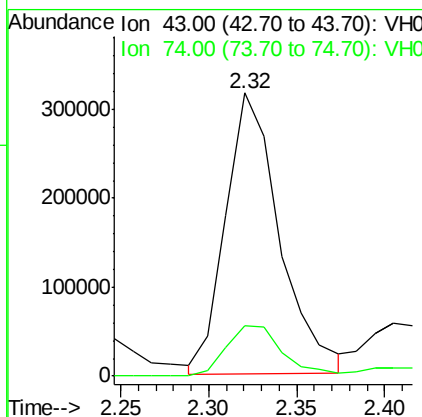
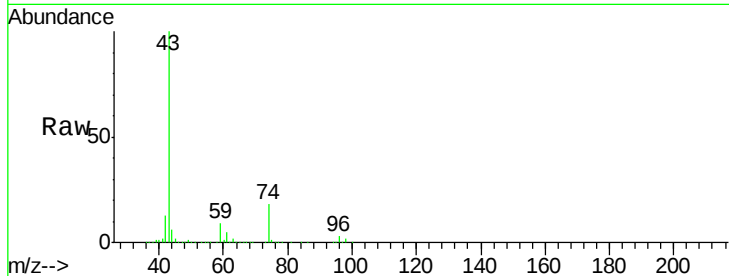
#19
Methyl Acetate
Concen: 16.31 ug/l
RT: 2.32 min Scan# 180
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	668052
Ion Ratio	100	Lower	Upper
43	100		
74	17.9	13.3	24.7

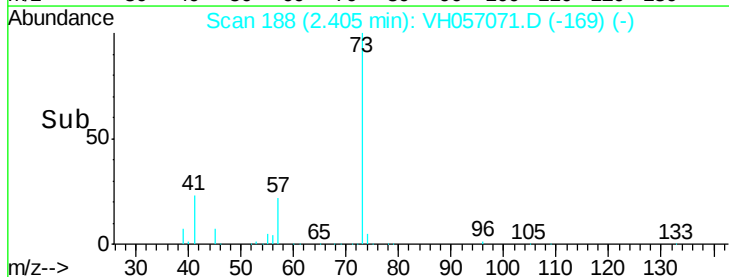
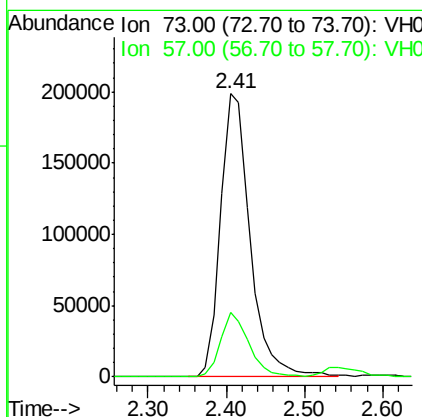
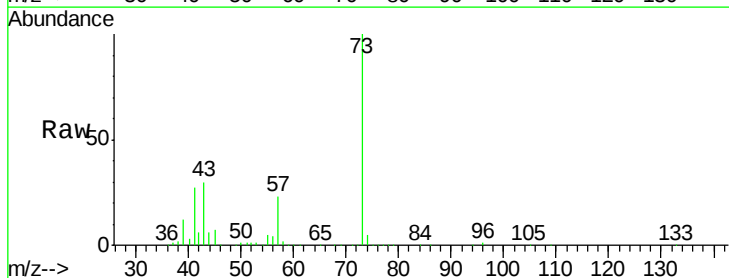
Manual Integrations
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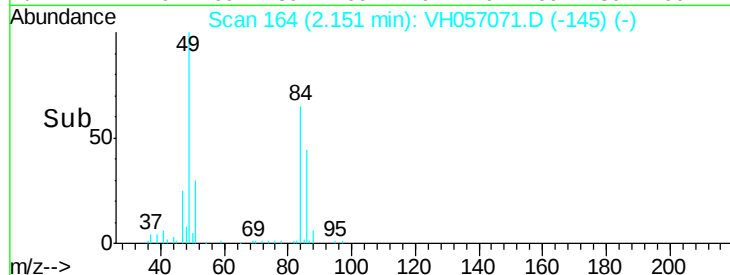
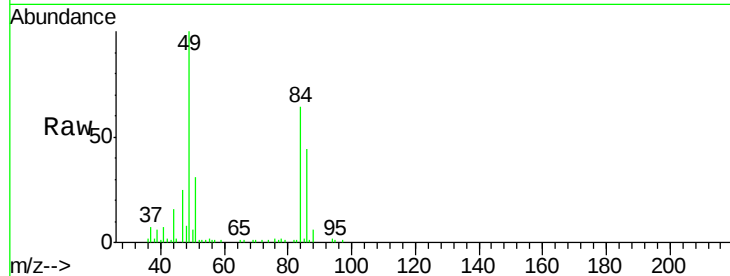
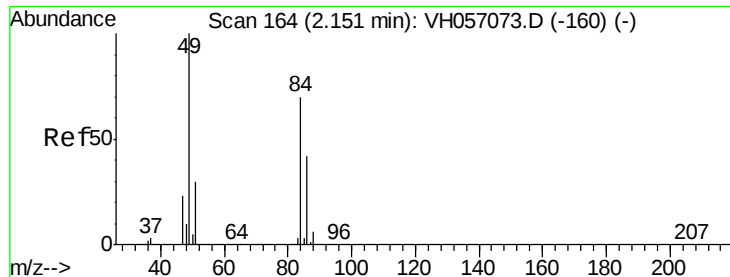
MMDadoda
9/18/2015 3:12:30 PM



#20
Methyl tert-butyl Ether
Concen: 18.72 ug/l
RT: 2.41 min Scan# 188
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

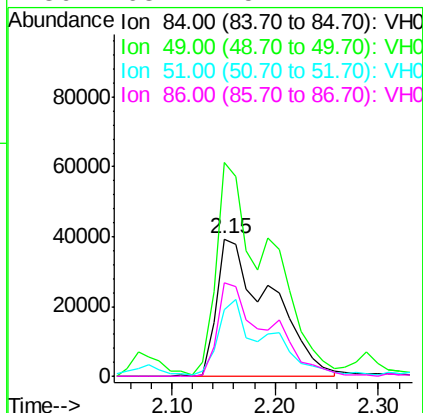
Tgt Ion	73	Resp	522276
Ion Ratio	100	Lower	Upper
73	100		
57	22.7	18.0	27.0





#21
Methvlene Chloride
Concen: 17.54 ug/l m
RT: 2.15 min Scan# 164
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

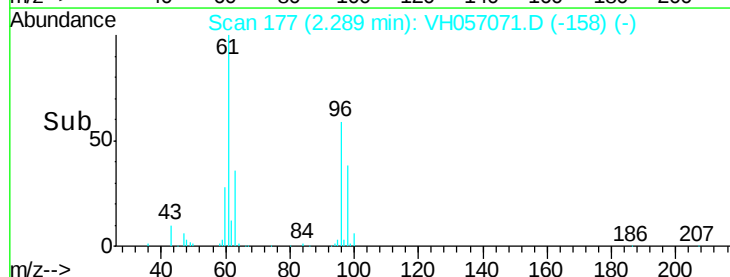
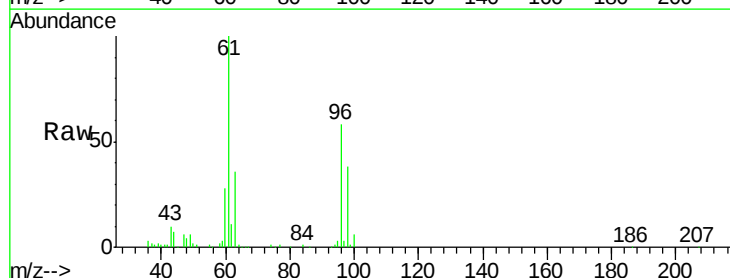
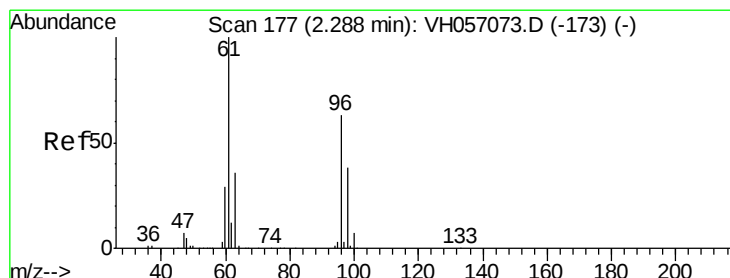
Tot Ion:	84	Resp:	142973
Ion	Ratio	Lower	Upper
84	100		
49	155.3	132.8	199.2
51	48.3	39.5	59.3
86	68.1	51.4	77.2



Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

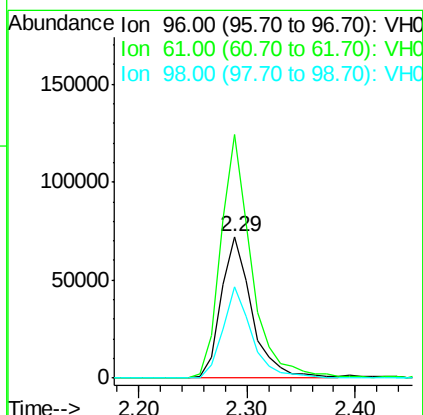
Manual Integrations
APPROVED

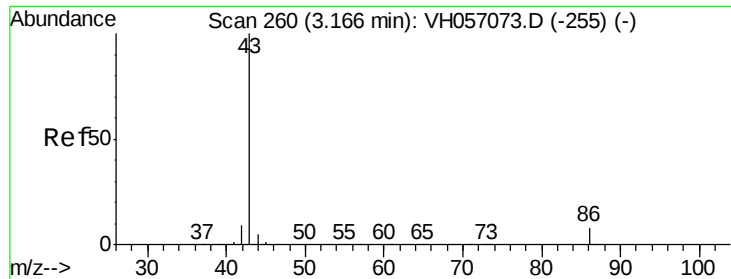
MMDadoda
9/18/2015 3:12:30 PM



#22
trans-1,2-Dichloroethene
Concen: 18.07 ug/l
RT: 2.29 min Scan# 177
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion:	96	Resp:	142601
Ion	Ratio	Lower	Upper
96	100		
61	172.0	131.7	197.5
98	64.8	49.5	74.3





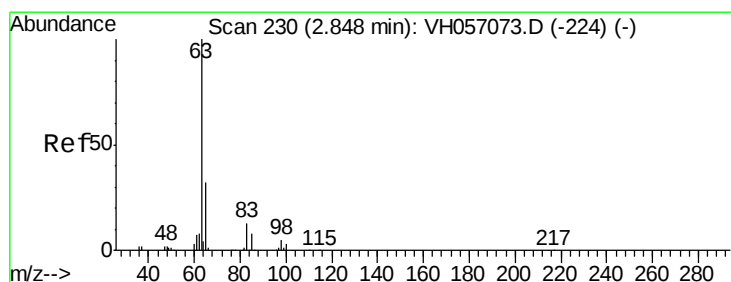
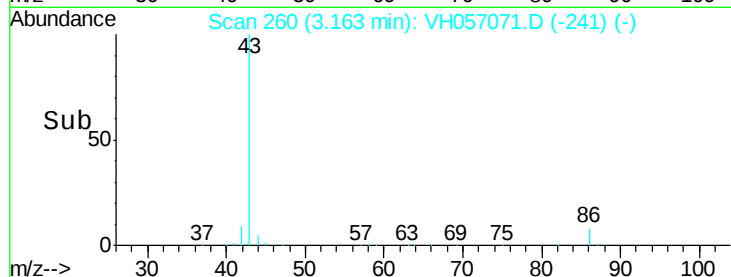
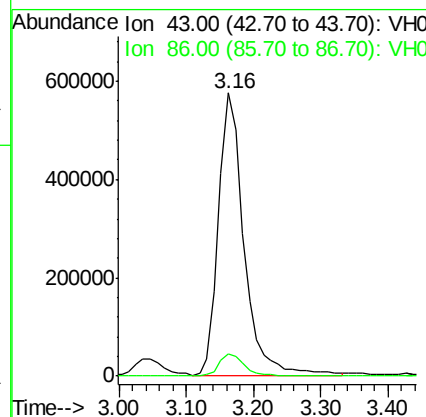
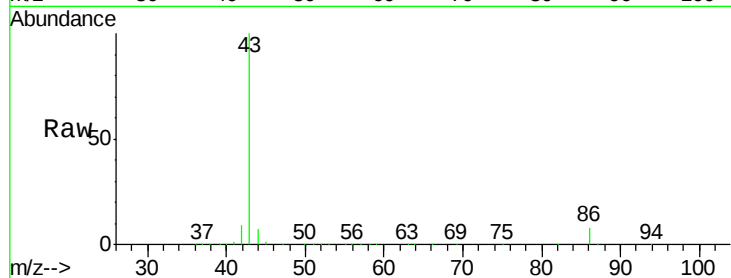
#23
 Vinyl Acetate
 Concen: 93.43 ug/l
 RT: 3.16 min Scan# 260
 Delta R.T. -0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1497146
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.2 9.2

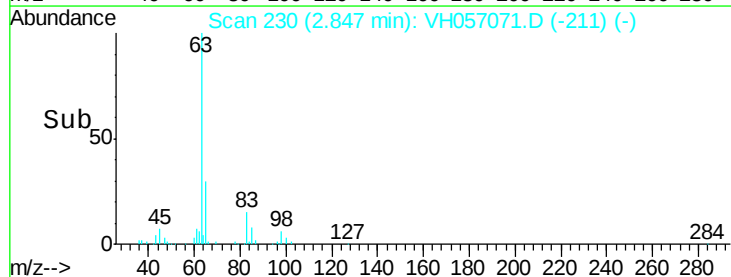
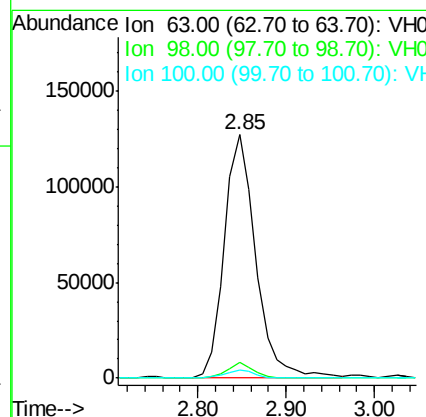
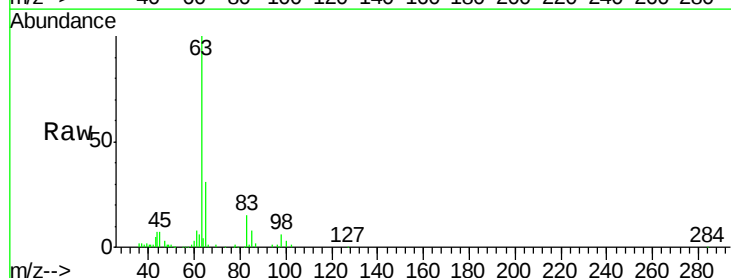
Manual Integrations
 APPROVED

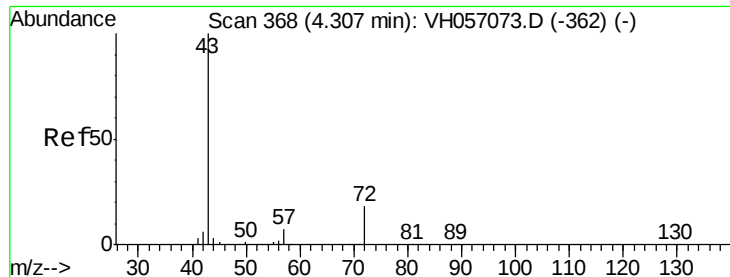
MMDadoda
 9/18/2015 3:12:30 PM



#24
 1,1-Dichloroethane
 Concen: 18.26 ug/l
 RT: 2.85 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion: 63 Resp: 313265
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.6 7.8
 100 3.2 1.7 5.0





#25

2-Butanone

Concen: 92.14 ug/l

RT: 4.30 min Scan# 368

Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tot Ion: 43 Resp: 1167627

Ion Ratio Lower Upper

43 100

72 20.5 0.0 39.2

Instrument :

MSVOA_H

ClientSampleId :

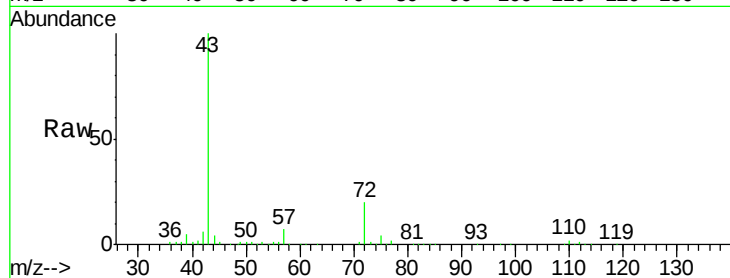
VSTDIC020

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

400000

300000

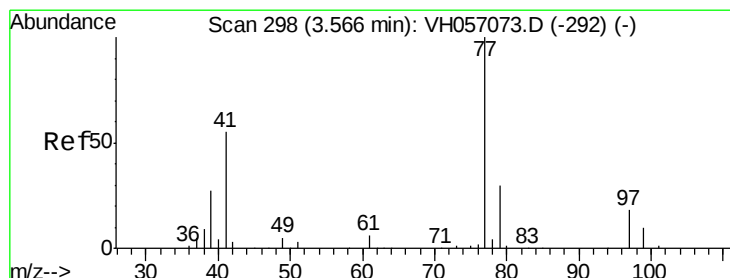
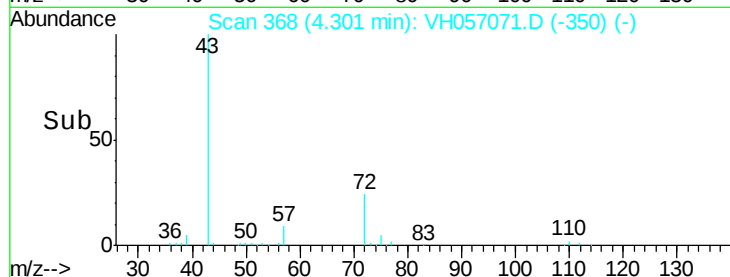
200000

100000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 22.39 ug/l

RT: 3.57 min Scan# 299

Delta R.T. 0.01 min

Lab File: VH057071.D

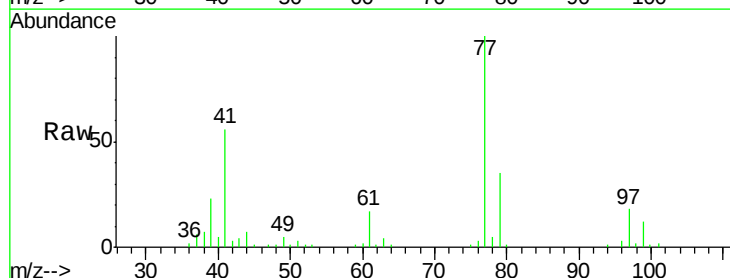
Acq: 17 Sep 2015 17:40

Tgt Ion: 77 Resp: 211013

Ion Ratio Lower Upper

77 100

97 18.2 8.8 26.4



Abundance Ion 77.00 (76.70 to 77.70): VH0

Ion 97.00 (96.70 to 97.70): VH0

60000

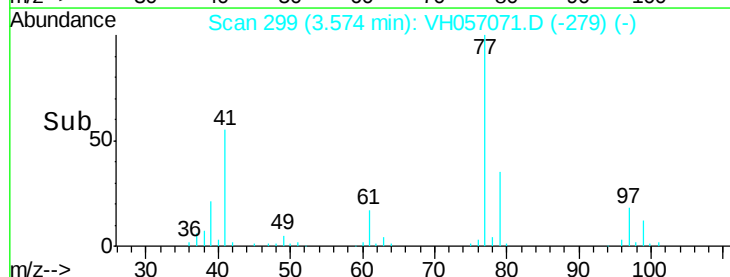
40000

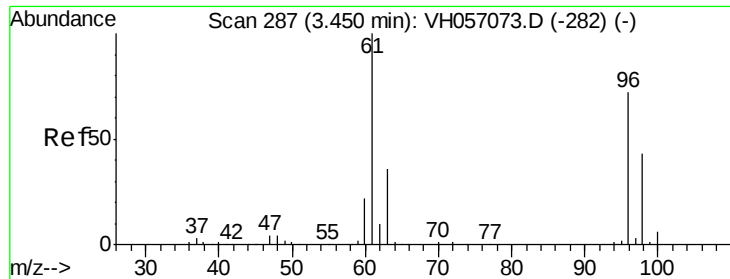
20000

0

3.50 3.60 3.70

Time-->





#27

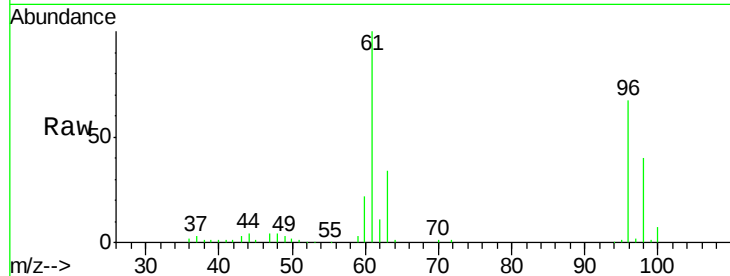
cis-1,2-Dichloroethene
Concen: 19.77 ug/l
RT: 3.45 min Scan# 287
Delta R.T. -0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	115.4	173.0
98	60.5	49.7	74.5

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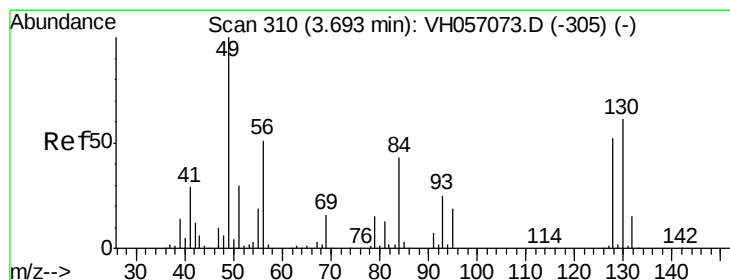
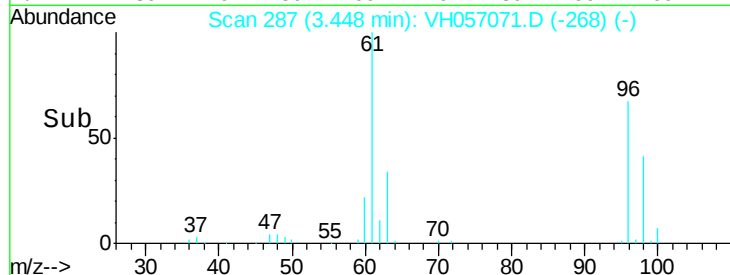
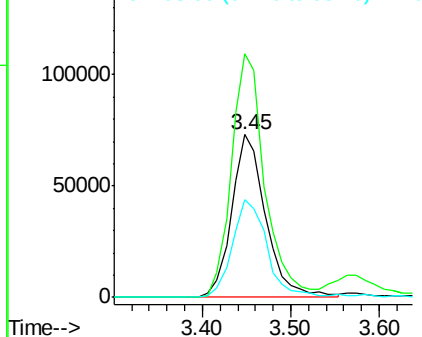


Abundance

Ion 96.00 (95.70 to 96.70): VH0

Ion 61.00 (60.70 to 61.70): VH0

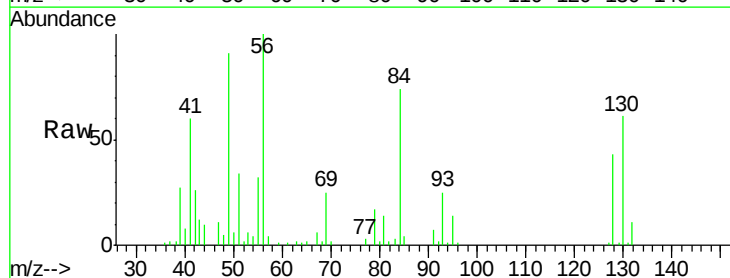
Ion 98.00 (97.70 to 98.70): VH0



#28

Bromochloromethane
Concen: 19.05 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	211.4	0.0	441.4
130	140.2	100.7	151.1

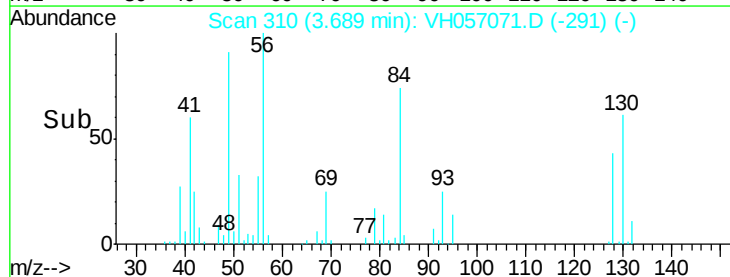
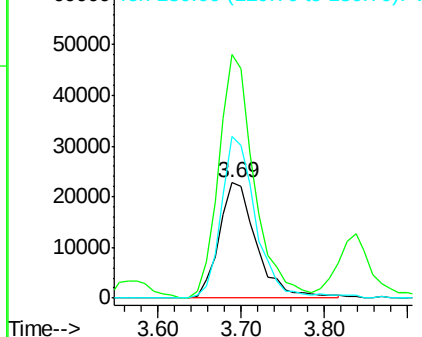


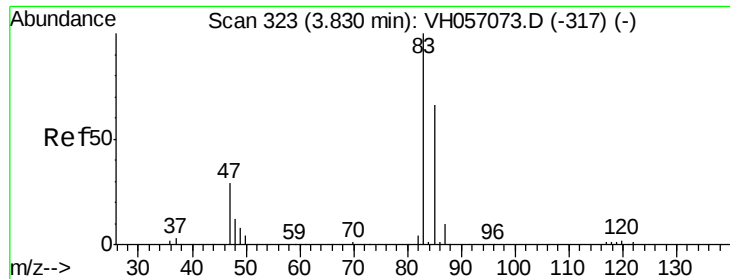
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VH0

Ion 130.00 (129.70 to 130.70): V





#29

Chloroform

Concen: 19.46 ug/l

RT: 3.84 min Scan# 324

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampled :

VSTDIC020

Tot Ion: 83 Resp: 349971

Ion Ratio Lower Upper

83 100

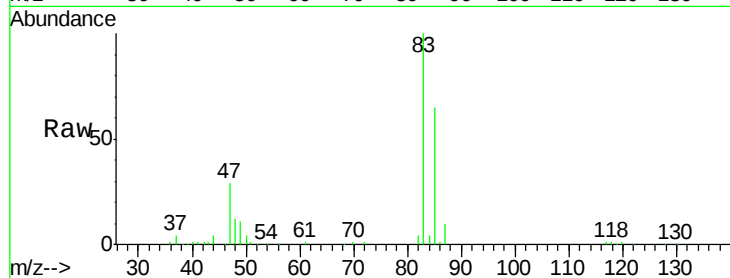
85 65.0 54.3 81.5

Manual Integrations

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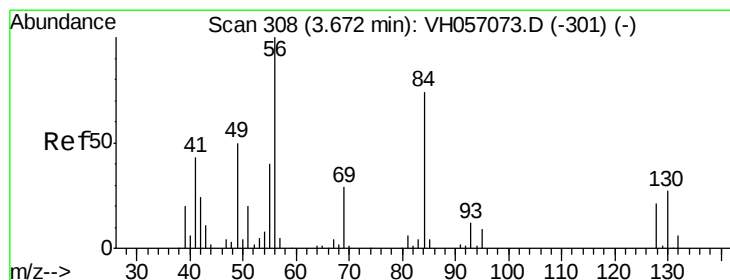
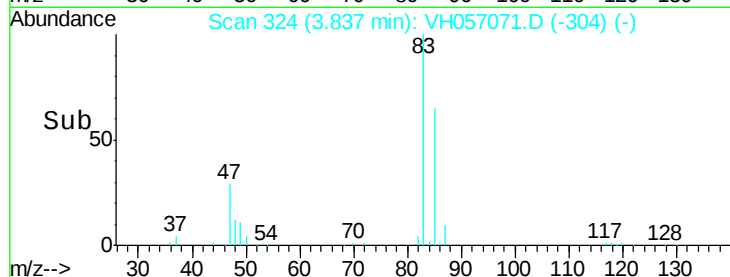
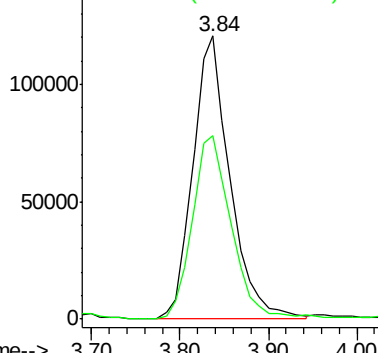
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 85.00 (84.70 to 85.70): VH0



#30

Cyclohexane

Concen: 19.46 ug/l

RT: 3.68 min Scan# 309

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

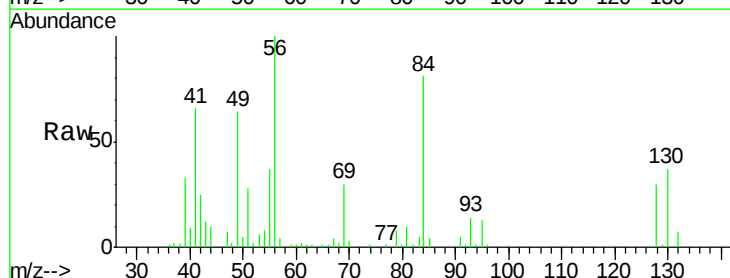
Tgt Ion: 56 Resp: 254856

Ion Ratio Lower Upper

56 100

69 30.3 18.1 33.7

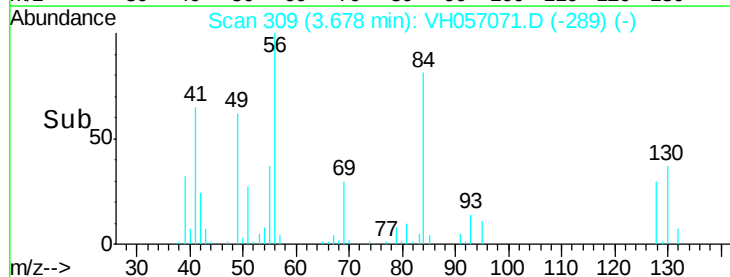
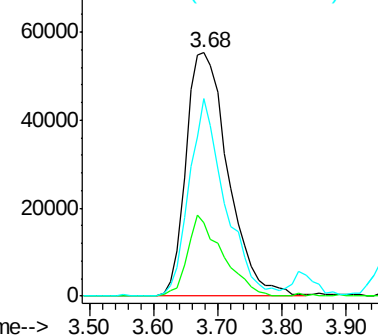
84 80.9 0.0 136.8

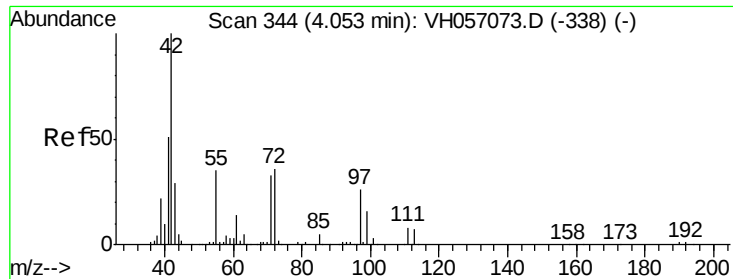


Abundance Ion 56.00 (55.70 to 56.70): VH0

Ion 69.00 (68.70 to 69.70): VH0

Ion 84.00 (83.70 to 84.70): VH0





#31

Tetrahydrofuran

Concen: 89.45 ug/l

RT: 4.06 min Scan# 345

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

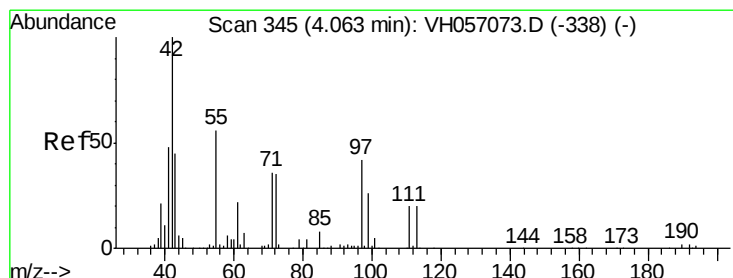
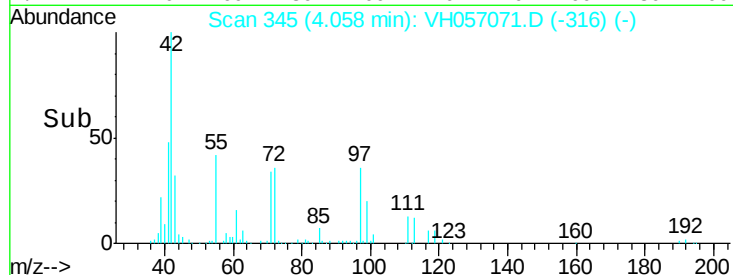
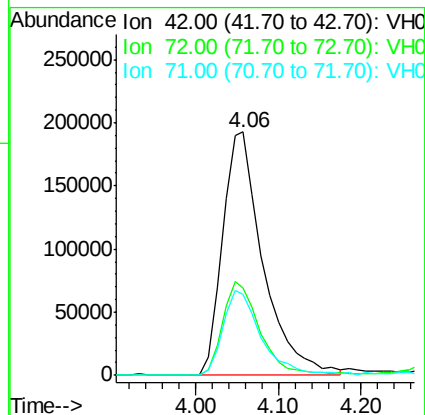
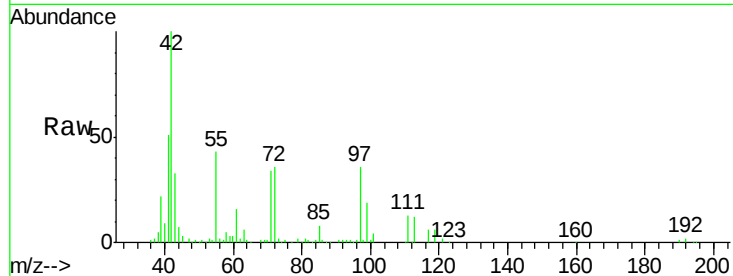
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	658679
Ion	Ratio	Lower	Upper
42	100		
72	35.2	25.5	38.3
71	33.0	25.4	38.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.92 ug/l

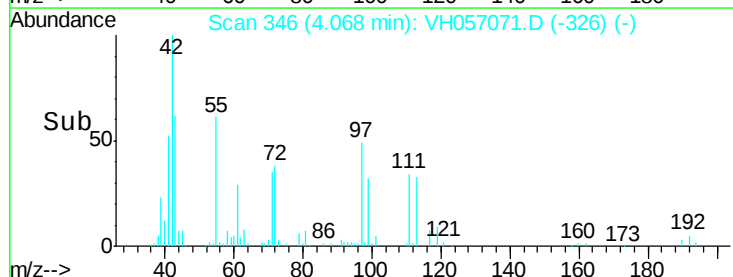
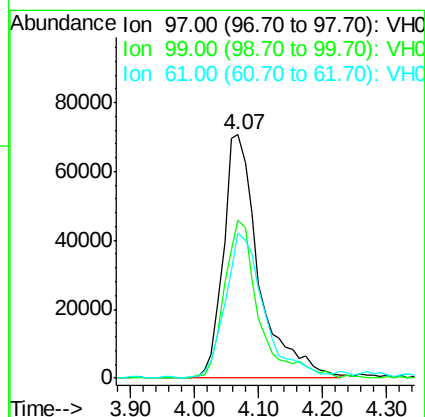
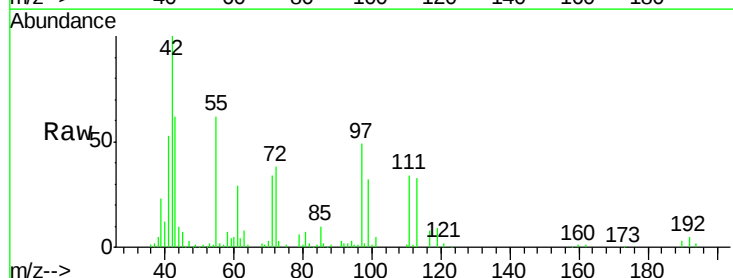
RT: 4.07 min Scan# 346

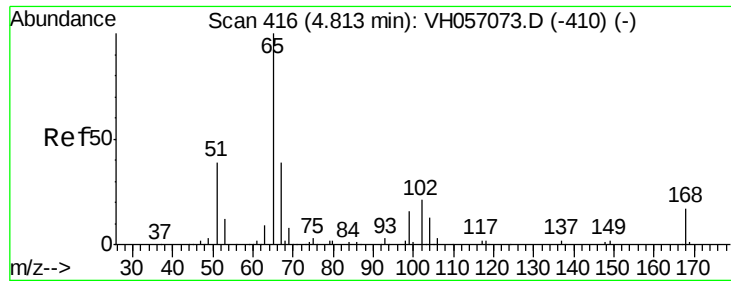
Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:	97	Resp:	273687
Ion	Ratio	Lower	Upper
97	100		
99	64.6	49.8	74.6
61	59.7	45.0	67.4





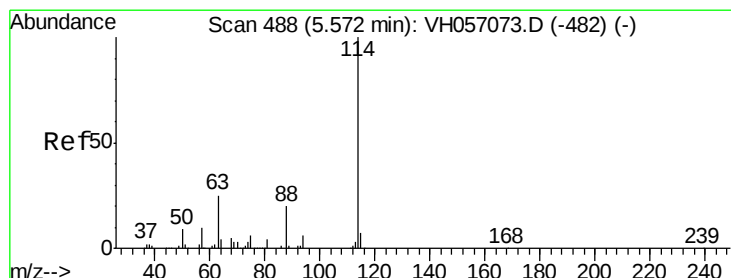
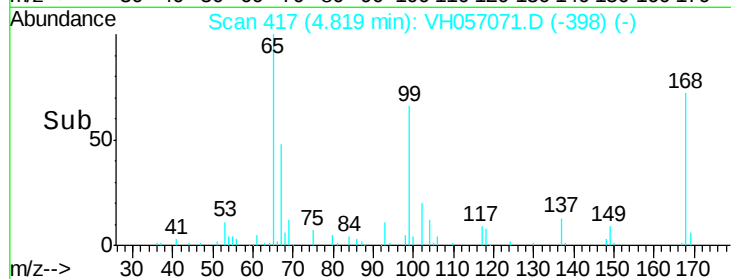
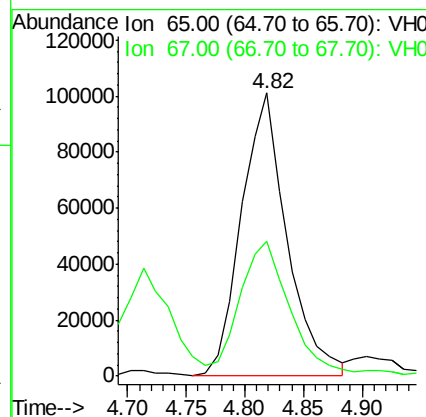
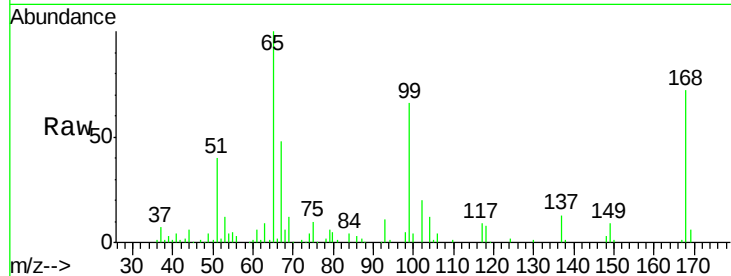
#33
 1,2-Dichloroethane-d4
 Concen: 24.46 ug/l
 RT: 4.82 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.5	43.2	64.8

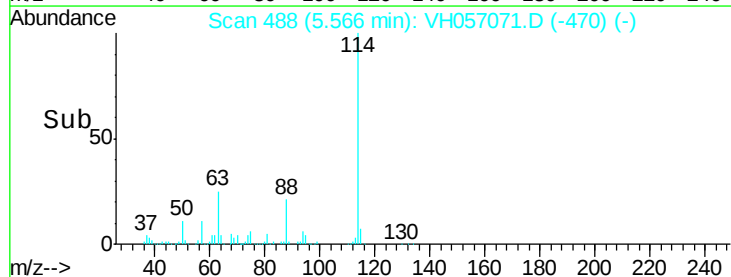
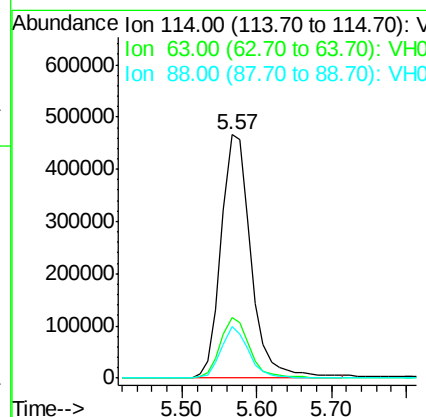
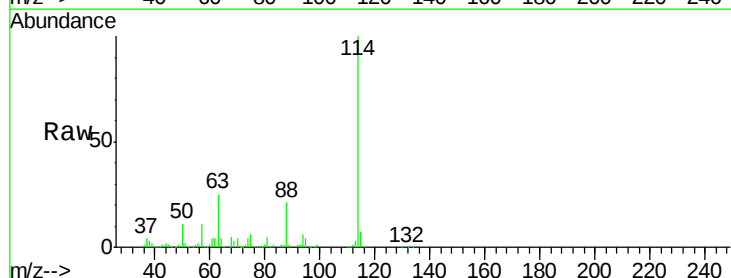
Manual Integrations
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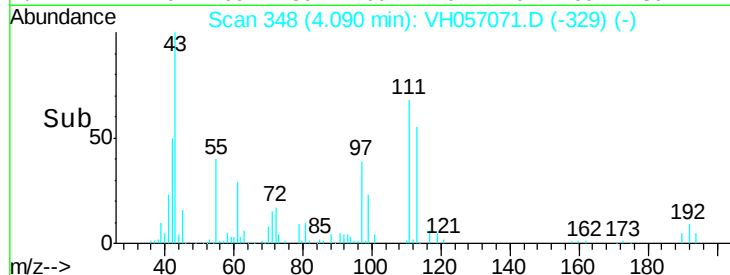
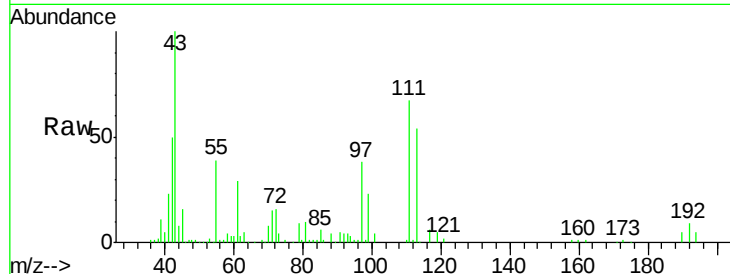
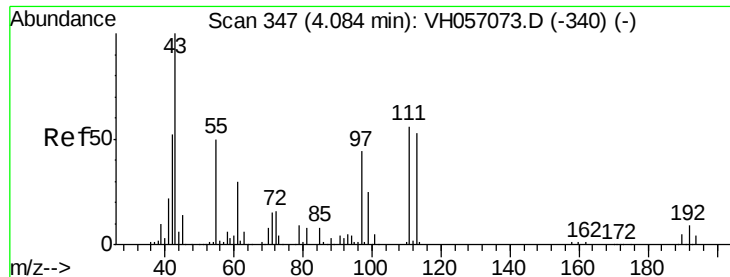
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.0	28.4
88	21.4	15.7	23.5





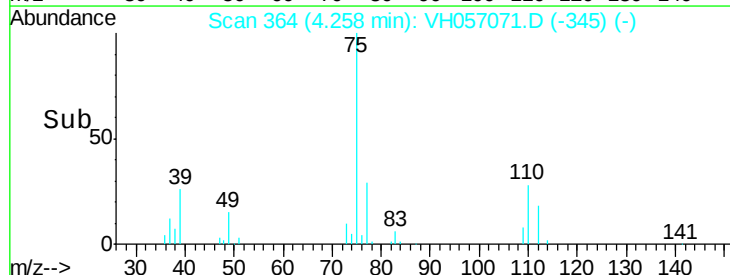
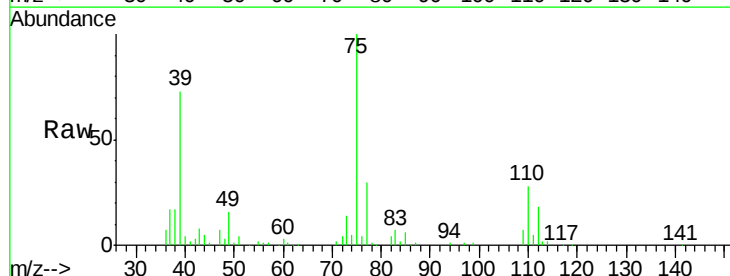
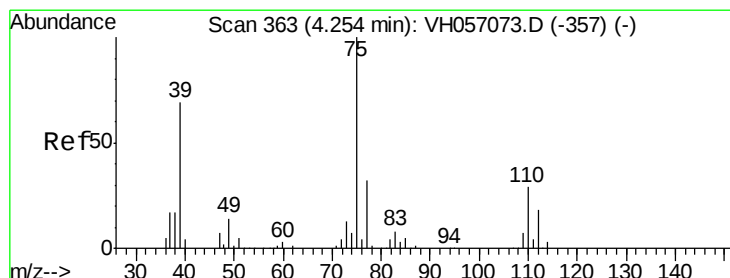
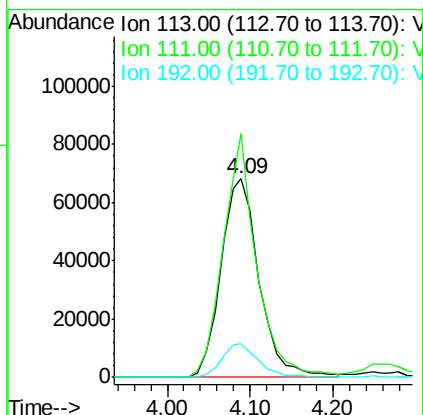
#35
Dibromofluoromethane
Concen: 23.76 ug/l
RT: 4.09 min Scan# 348
Delta R.T. 0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219152		
111	122.6	84.0	126.0	
192	16.9	13.6	20.4	

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

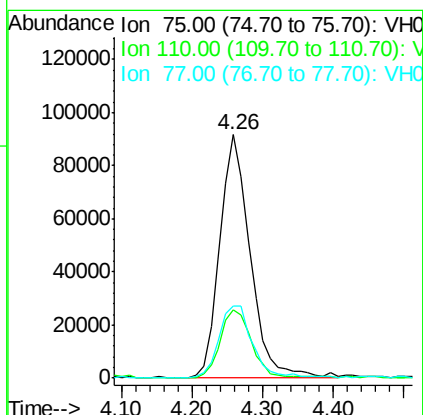
Manual Integrations
APPROVED

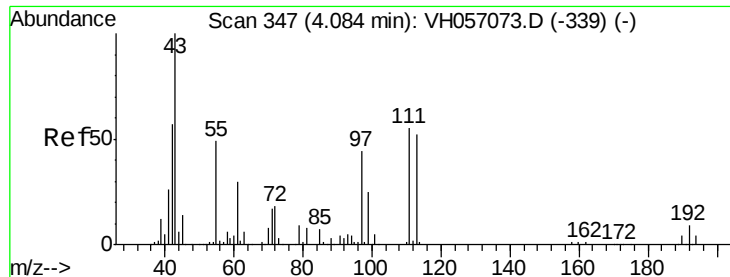
MMDadoda
9/18/2015 3:12:30 PM



#36
1,1-Dichloropropene
Concen: 20.98 ug/l
RT: 4.26 min Scan# 364
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	274165		
110	27.9	13.7	41.1	
77	29.5	24.0	36.0	





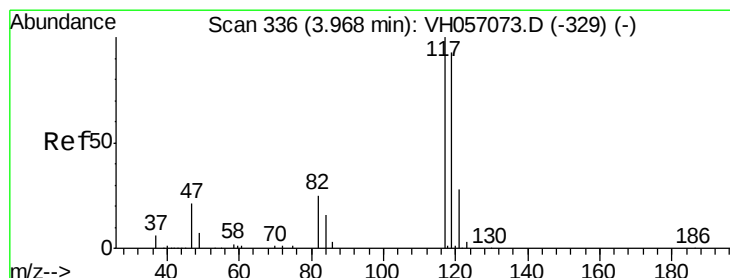
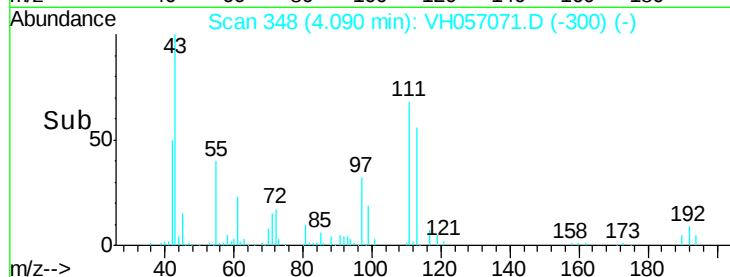
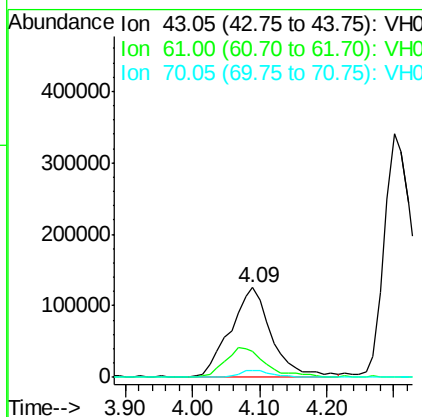
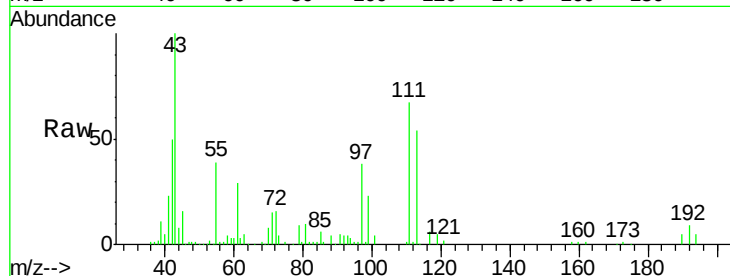
#37
Ethyl acetate
Concen: 19.11 ug/l
RT: 4.09 min Scan# 348
Delta R.T. 0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.9	35.9#
70	6.7	5.4	8.0

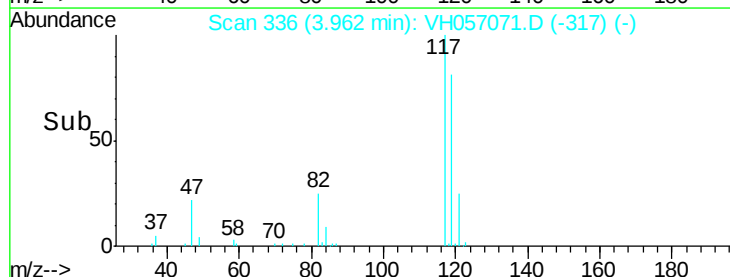
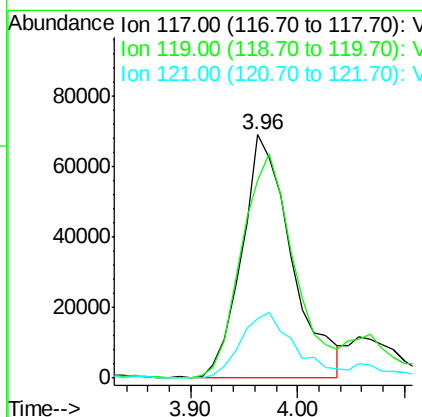
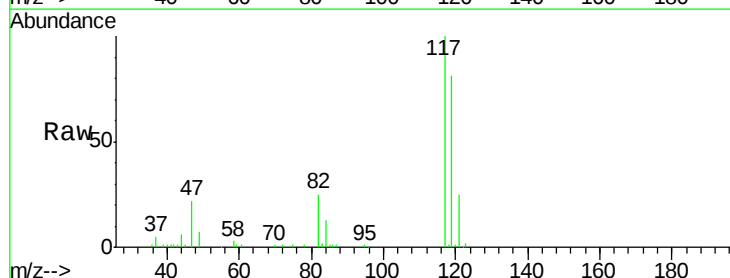
Manual Integrations
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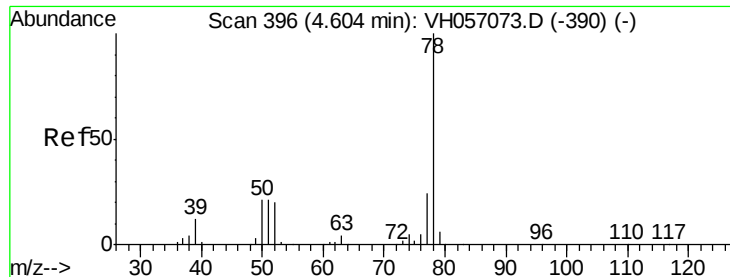
MMDadoda
9/18/2015 3:12:30 PM



#38
Carbon Tetrachloride
Concen: 21.84 ug/l m
RT: 3.96 min Scan# 336
Delta R.T. -0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	81.1	78.7	118.1
121	24.6	25.9	38.9#





#39

Benzene

Concen: 20.60 ug/l

RT: 4.61 min Scan# 397

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 676232

Ion Ratio Lower Upper

78 100

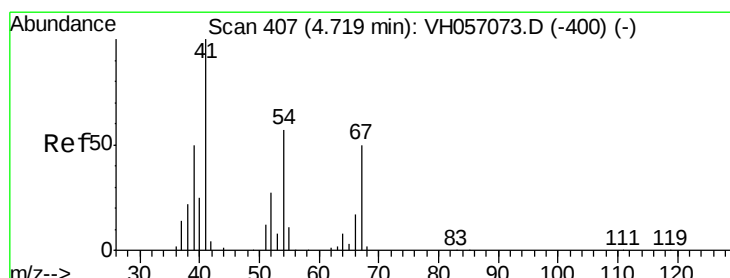
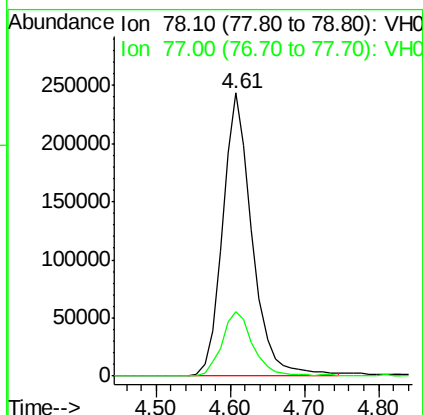
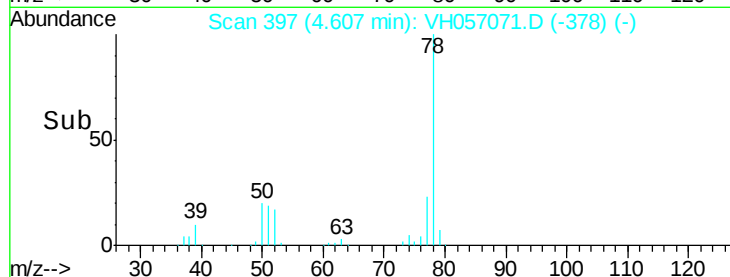
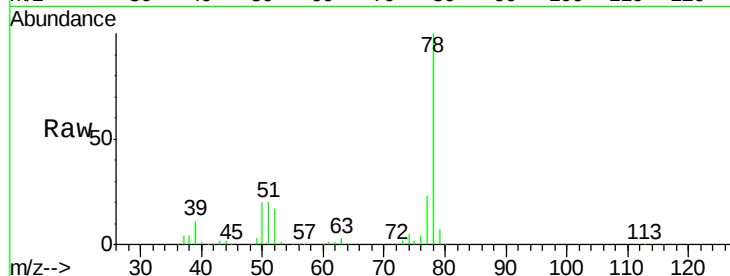
77 22.9 18.5 27.7

Manual Integrations

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9/18/2015 3:12:30 PM



#40

Methacrylonitrile

Concen: 18.56 ug/l

RT: 4.71 min Scan# 407

Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion: 41 Resp: 235381

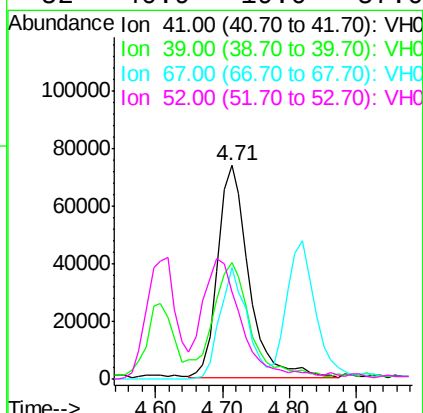
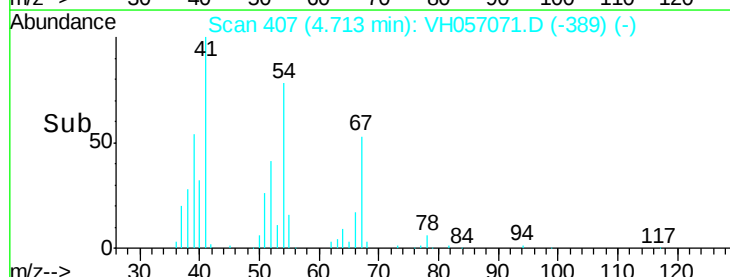
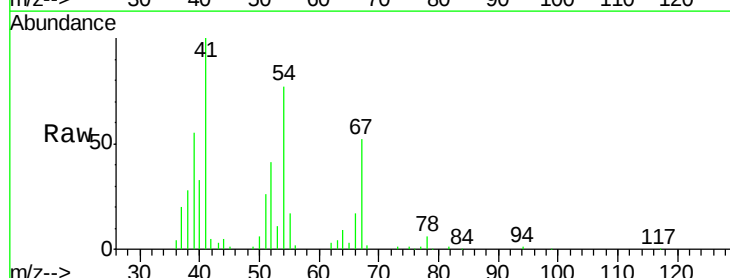
Ion Ratio Lower Upper

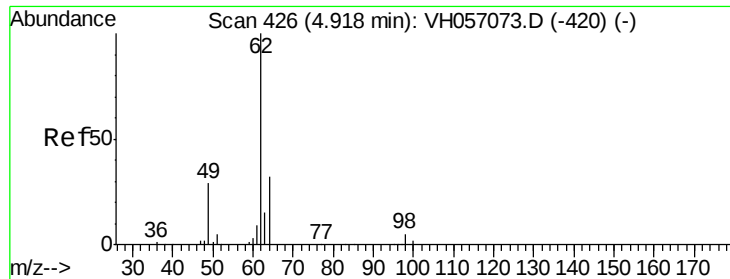
41 100

39 54.6 25.1 75.2

67 52.0 22.5 67.5

52 40.9 19.0 57.0





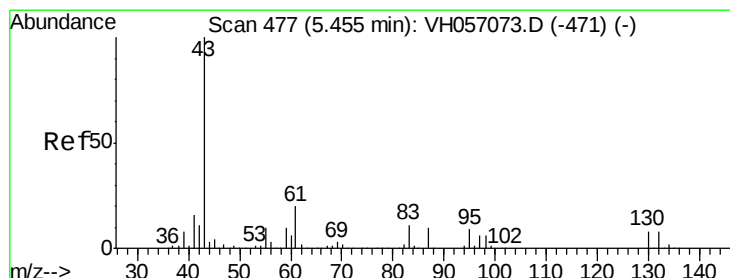
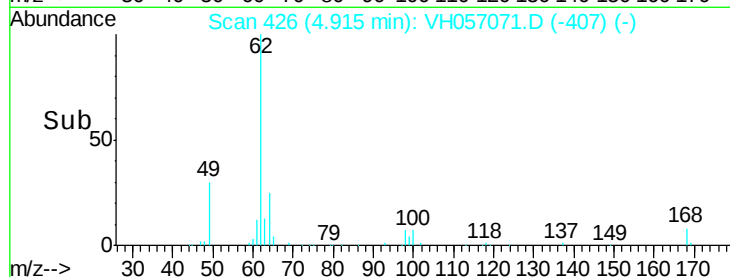
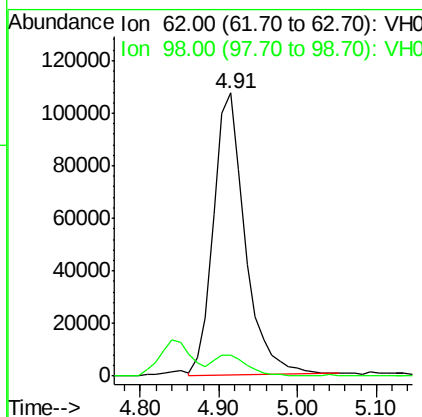
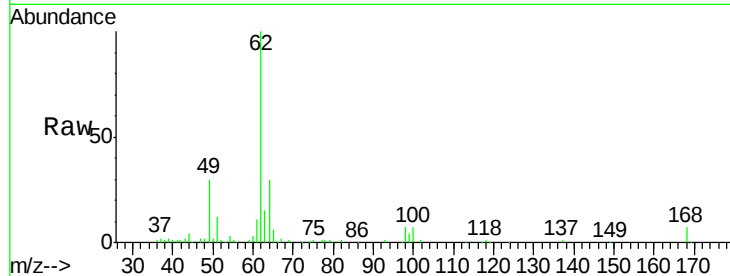
#41
 1,2-Dichloroethane
 Concen: 21.12 ug/l
 RT: 4.91 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.3	7.3	10.9

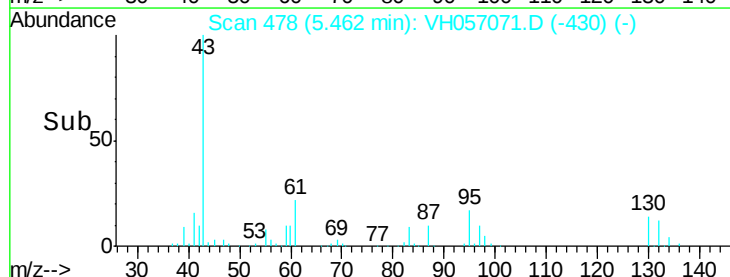
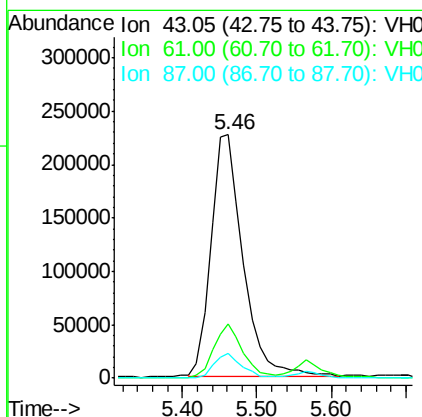
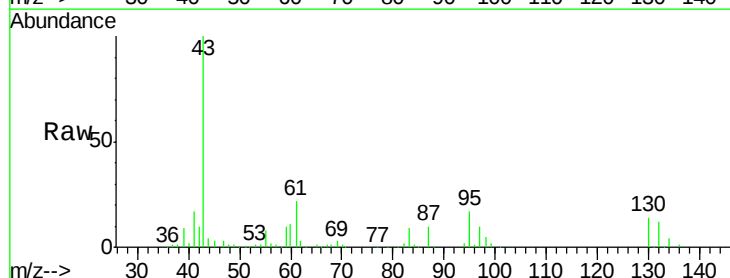
Manual Integrations
 APPROVED

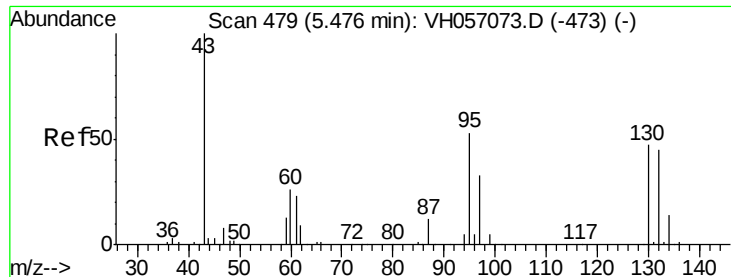
MMDadoda
 9/18/2015 3:12:30 PM



#42
 Isopropyl Acetate
 Concen: 19.05 ug/l
 RT: 5.46 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.4	15.8	23.6
87	9.9	7.0	10.6





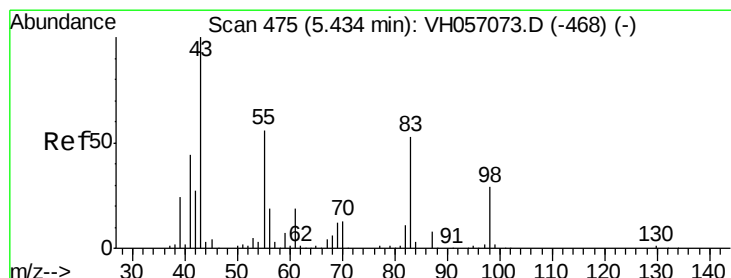
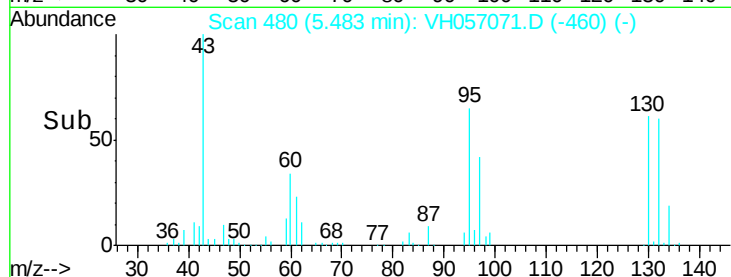
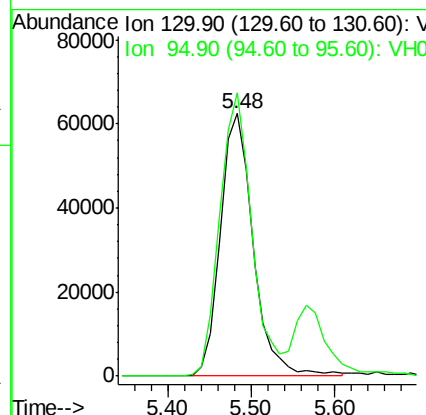
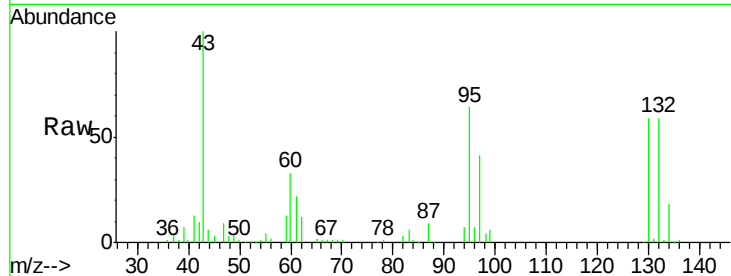
#43
 Trichloroethene
 Concen: 20.89 ug/l
 RT: 5.48 min Scan# 480
 Delta R.T. 0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion:130 Resp: 170543
 Ion Ratio Lower Upper
 130 100
 95 107.9 84.0 126.0

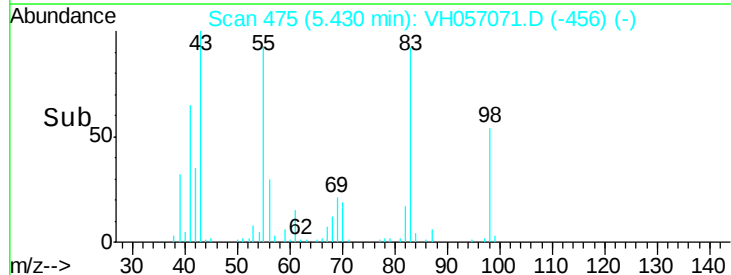
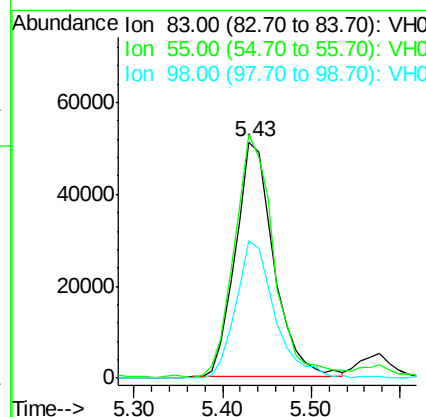
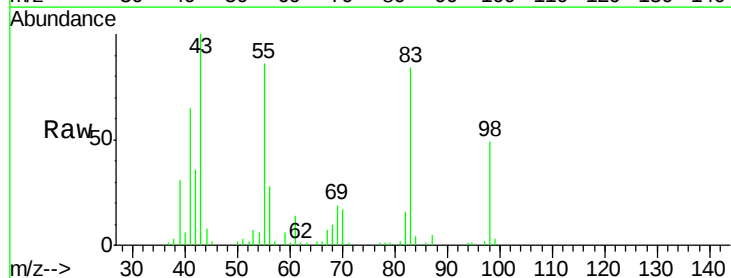
Manual Integrations
 APPROVED

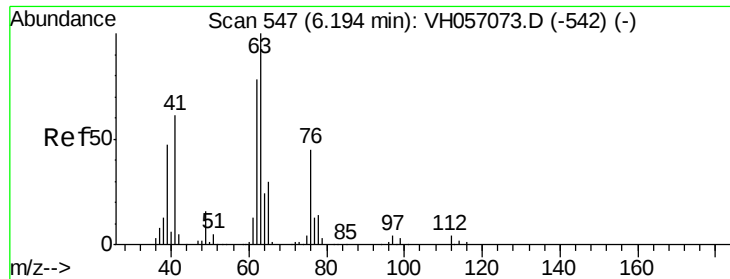
MMDadoda
 9/18/2015 3:12:30 PM



#44
 Methylcyclohexane
 Concen: 18.73 ug/l
 RT: 5.43 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion: 83 Resp: 151458
 Ion Ratio Lower Upper
 83 100
 55 103.0 0.0 207.2
 98 58.4 0.0 108.4





#45

1,2-Dichloropropane

Concen: 19.71 ug/l

RT: 6.20 min Scan# 548

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 208136

Ion Ratio Lower Upper

63 100

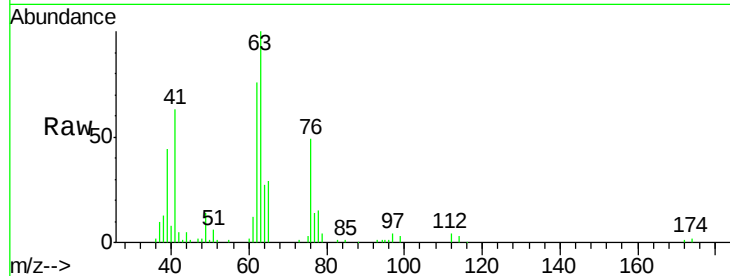
65 29.4 23.8 35.8

Manual Integrations

APPROVED

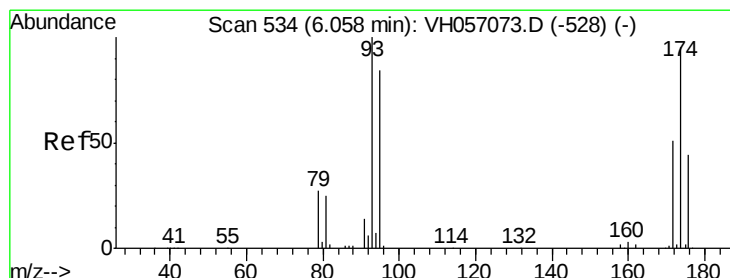
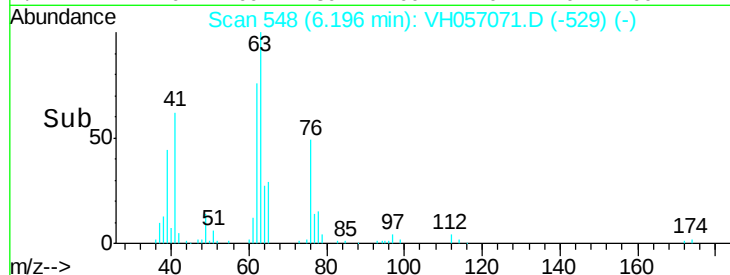
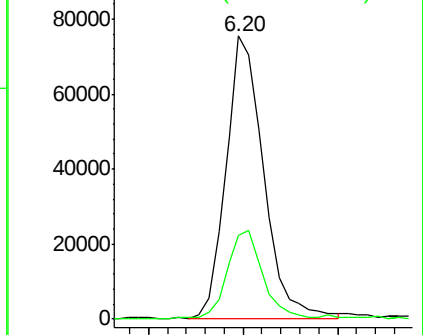
MMDadoda

9/18/2015 3:12:30 PM



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 65.00 (64.70 to 65.70): VH0



#46

Dibromomethane

Concen: 21.06 ug/l

RT: 6.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

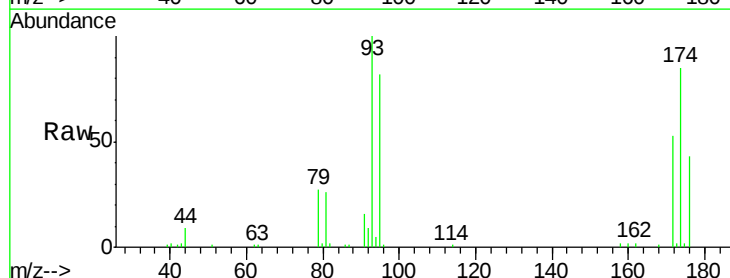
Tgt Ion: 93 Resp: 139756

Ion Ratio Lower Upper

93 100

95 82.2 69.5 104.3

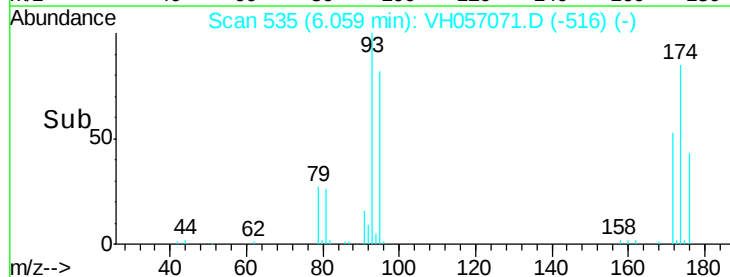
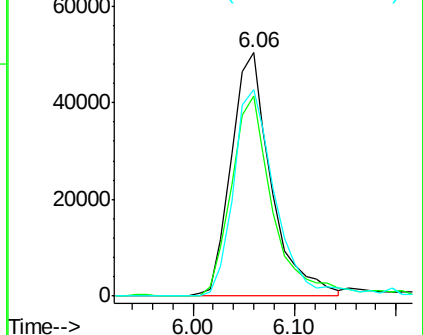
174 85.0 75.8 113.6

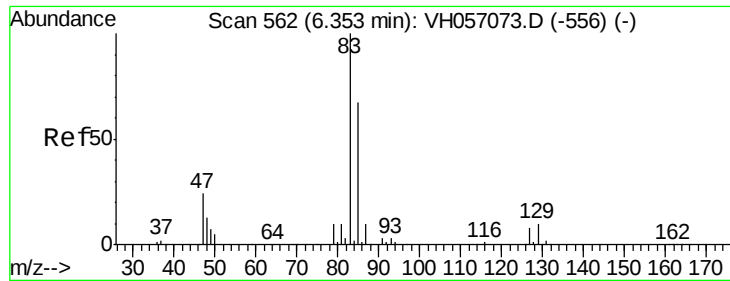


Abundance Ion 93.00 (92.70 to 93.70): VH0

Ion 95.00 (94.70 to 95.70): VH0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.03 ug/l

RT: 6.35 min Scan# 563

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

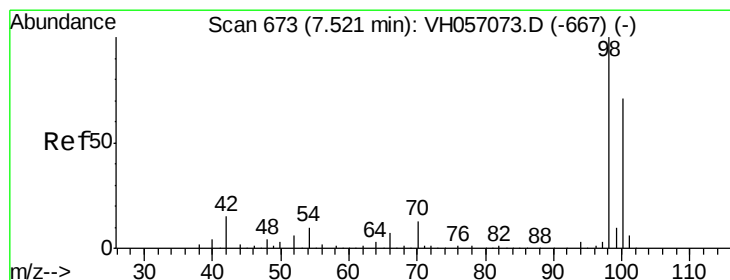
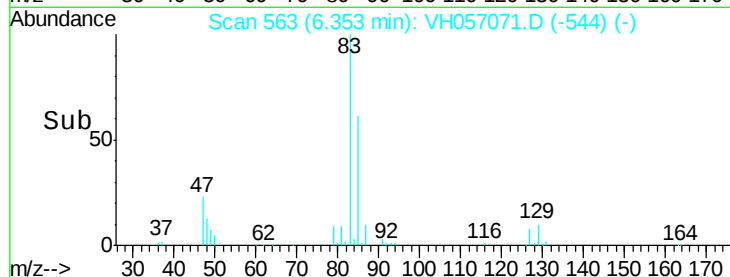
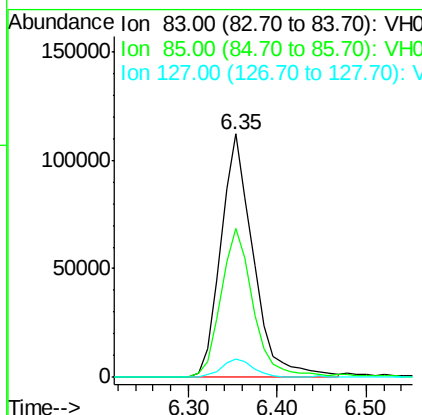
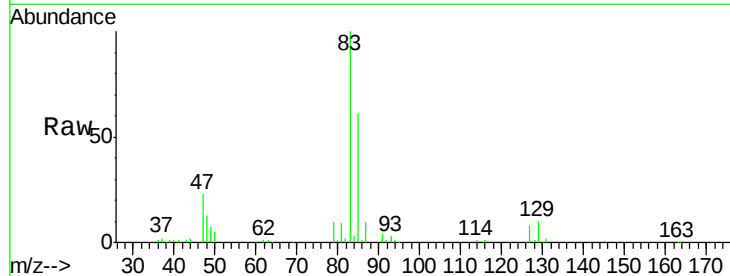
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	284904
Ion Ratio	Lower	Upper	
83	100		
85	61.2	52.6	78.8
127	7.6	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
9/18/2015 3:12:30 PM



#48

Toluene-d8

Concen: 26.15 ug/l

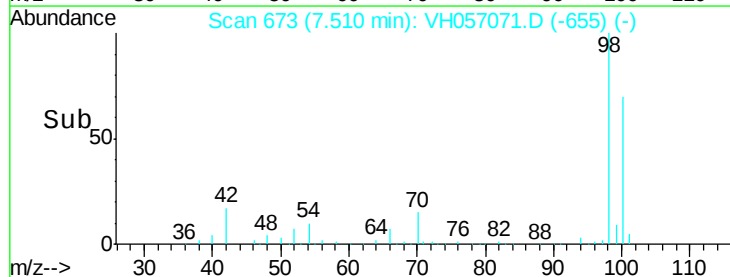
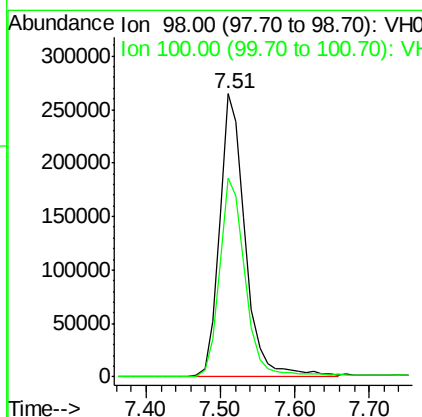
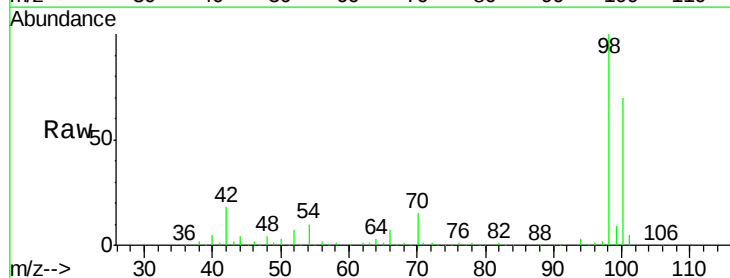
RT: 7.51 min Scan# 673

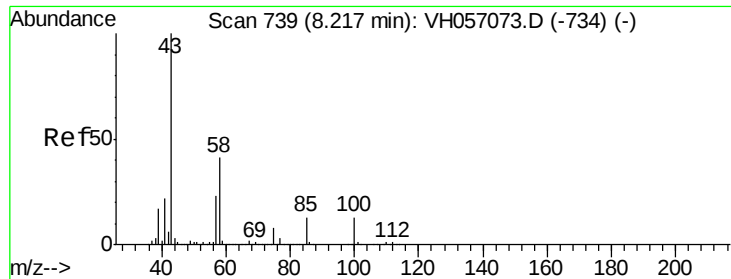
Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:	98	Resp:	640317
Ion Ratio	Lower	Upper	
98	100		
100	70.1	56.7	85.1





#49

4-Methyl-2-Pentanone

Concen: 99.99 ug/l

RT: 8.22 min Scan# 740

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 2165836

Ion Ratio Lower Upper

43 100

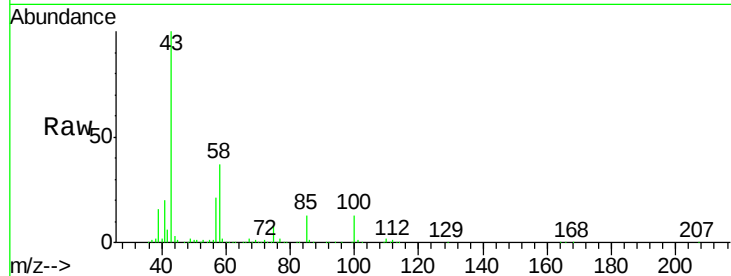
58 37.2 20.0 60.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0

1000000

800000

600000

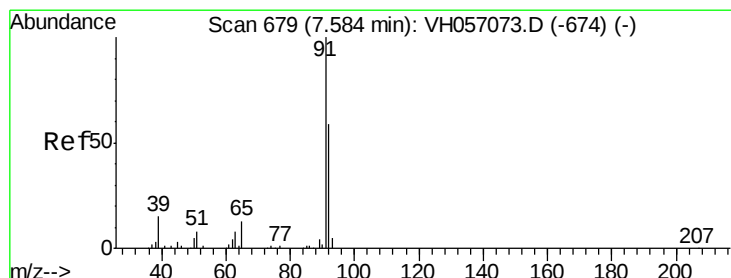
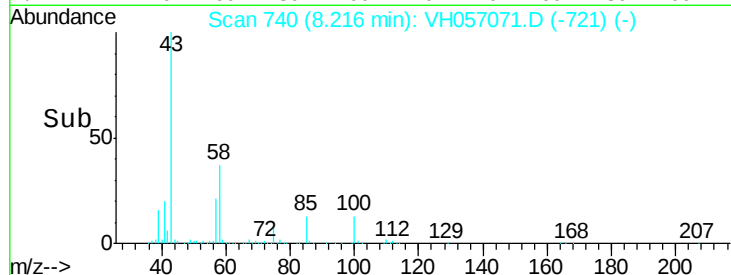
400000

200000

0

8.10 8.20 8.30 8.40

Time-->



#50

Toluene

Concen: 20.26 ug/l

RT: 7.58 min Scan# 680

Delta R.T. -0.00 min

Lab File: VH057071.D

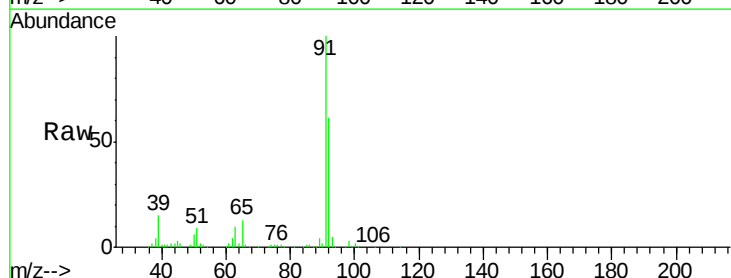
Acq: 17 Sep 2015 17:40

Tgt Ion: 92 Resp: 425231

Ion Ratio Lower Upper

92 100

91 165.1 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH0

Ion 91.00 (90.70 to 91.70): VH0

300000

250000

200000

150000

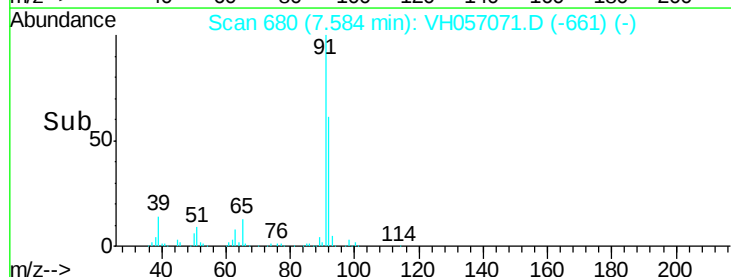
100000

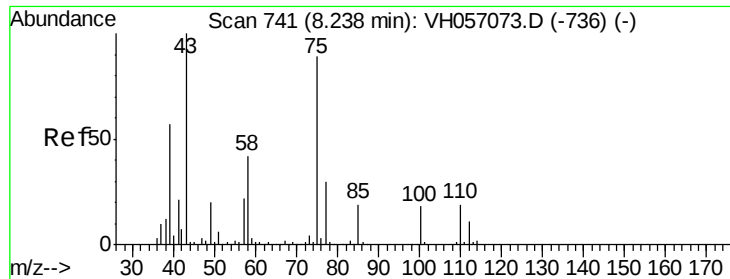
50000

0

7.50 7.60 7.70 7.80

Time-->





#51

t-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 8.24 min Scan# 742

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tot Ion: 75 Resp: 314141

Ion Ratio Lower Upper

75 100

77 35.0 26.2 39.2

Instrument :

MSVOA_H

ClientSampled :

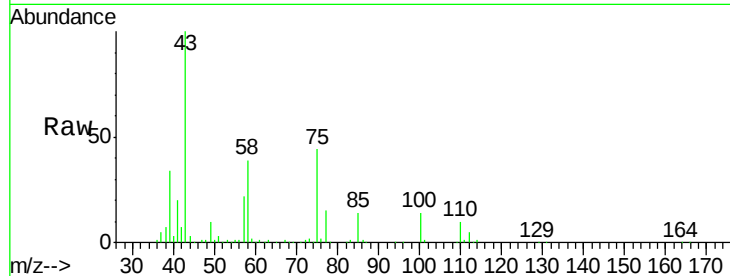
VSTDIC020

Manual Integrations

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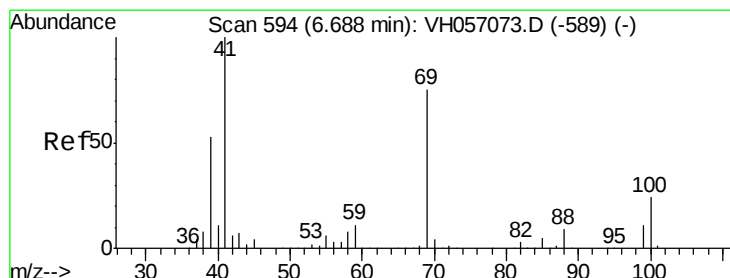
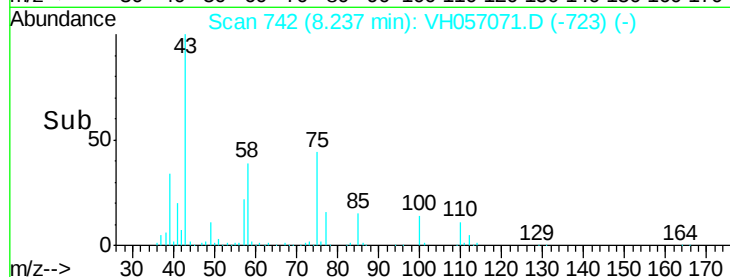
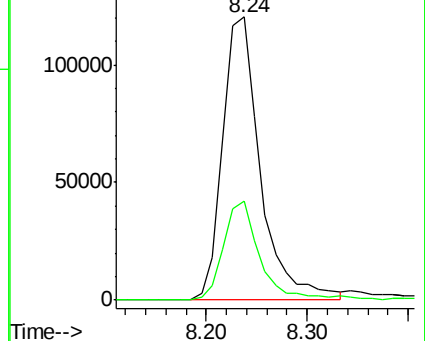
MMDadoda

9/18/2015 3:12:30 PM



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0



#52

Methyl Methacrylate

Concen: 19.53 ug/l

RT: 6.69 min Scan# 595

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

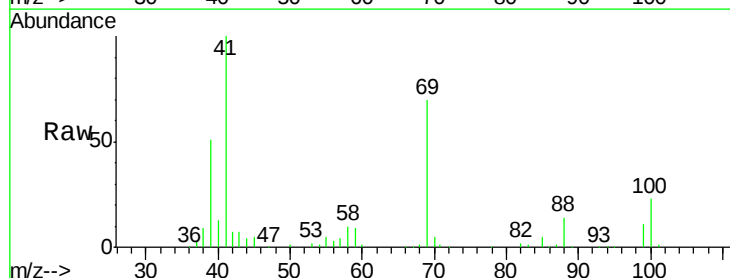
Tgt Ion: 69 Resp: 207937

Ion Ratio Lower Upper

69 100

41 143.1 70.0 209.8

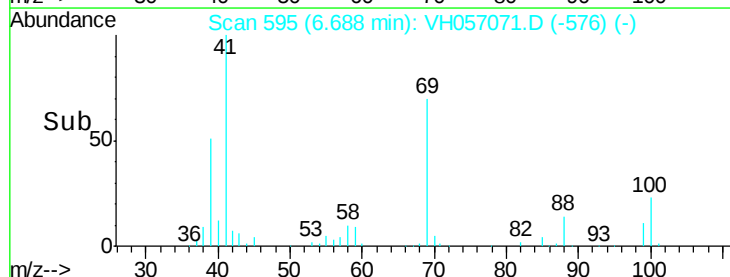
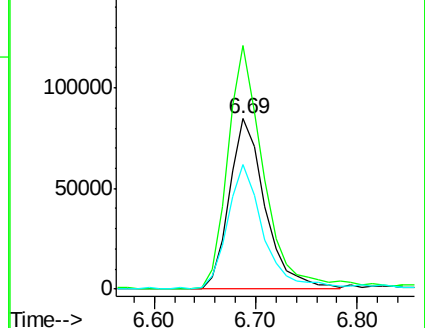
39 73.2 37.5 112.5

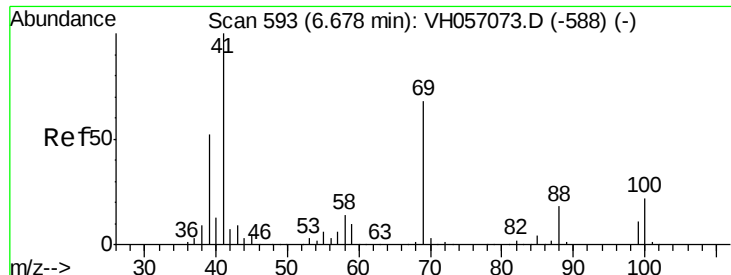


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





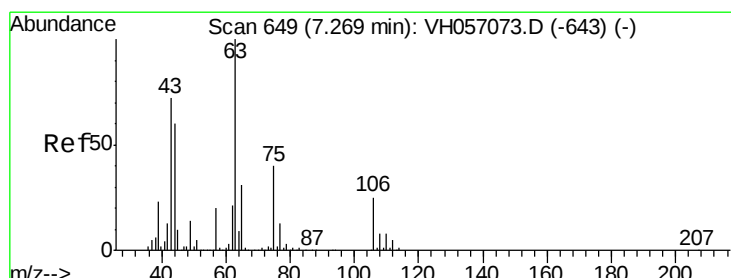
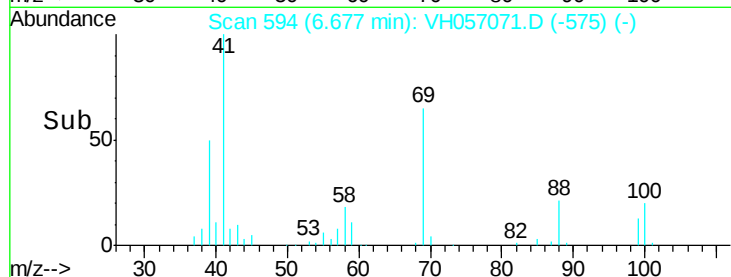
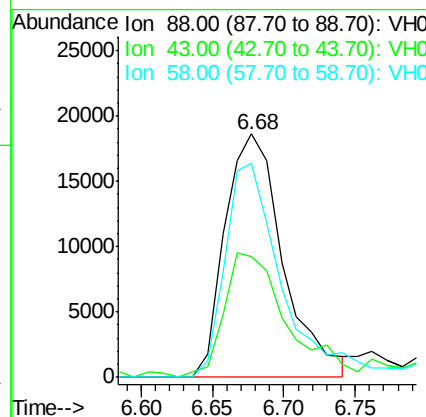
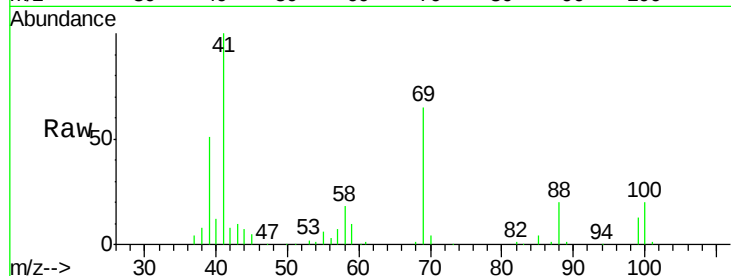
#53
1,4-Dioxane
Concen: 508.68 ug/l
RT: 6.68 min Scan# 594
Delta R.T. -0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100	53164		
43	49.8		39.6	59.4
58	87.9		61.4	92.2

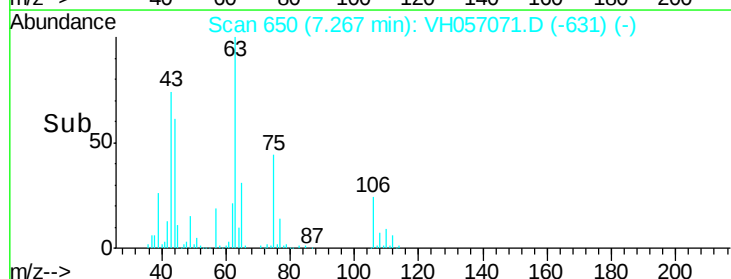
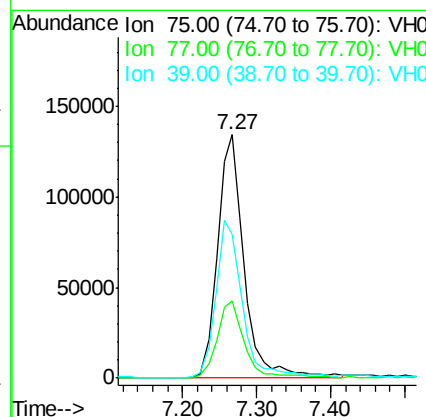
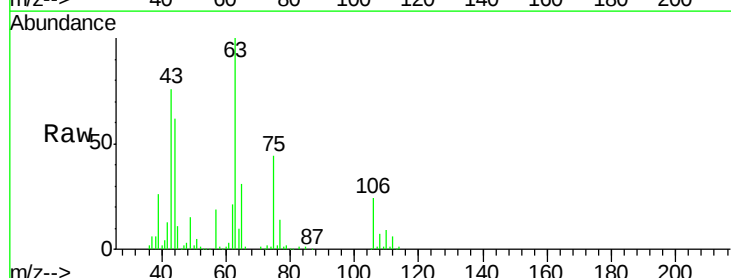
Manual Integrations
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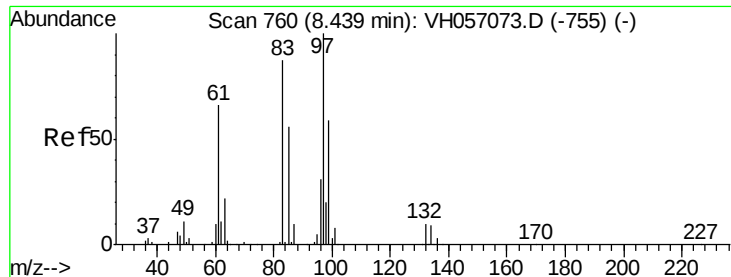
MMDadoda
9/18/2015 3:12:30 PM



#54
cis-1,3-Dichloropropene
Concen: 19.85 ug/l
RT: 7.27 min Scan# 650
Delta R.T. -0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	337762		
77	31.8		25.2	37.8
39	59.1		50.7	76.1





#55

1,1,2-Trichloroethane

Concen: 22.01 ug/l

RT: 8.44 min Scan# 761

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

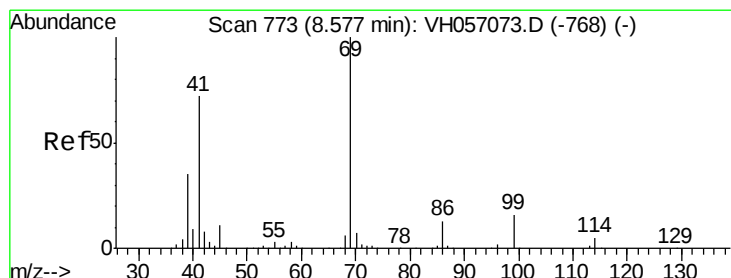
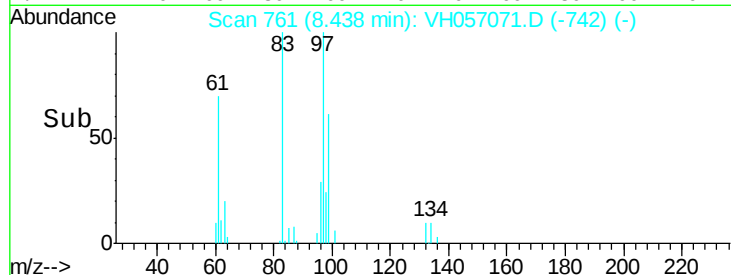
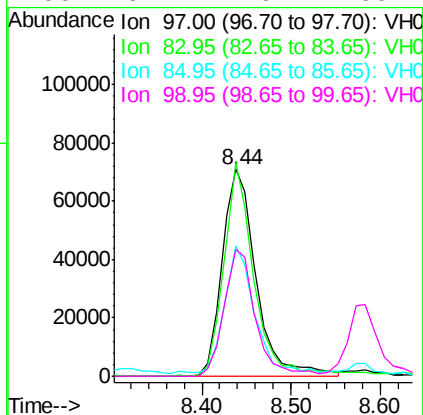
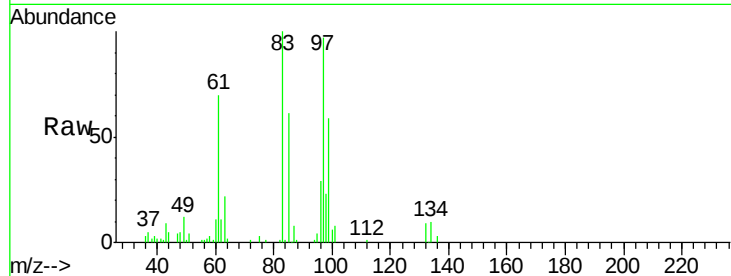
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	188179
Ion	Ratio	Lower	Upper
97	100		
83	103.0	72.7	109.1
85	62.7	45.5	68.3
99	61.2	46.2	69.2

Manual Integrations
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MMDadoda
9/18/2015 3:12:30 PM



#56

Ethyl Methacrylate

Concen: 20.15 ug/l

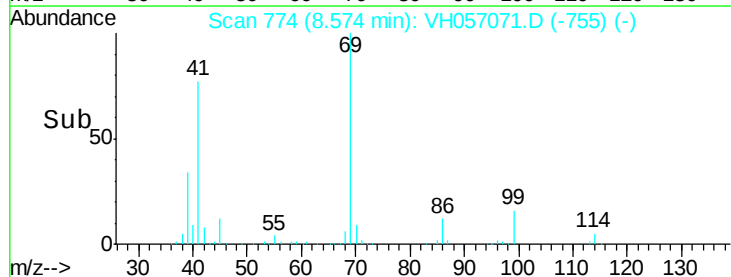
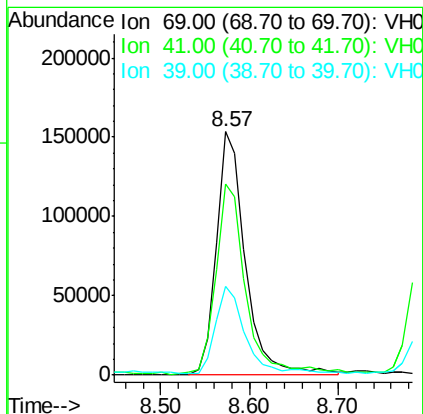
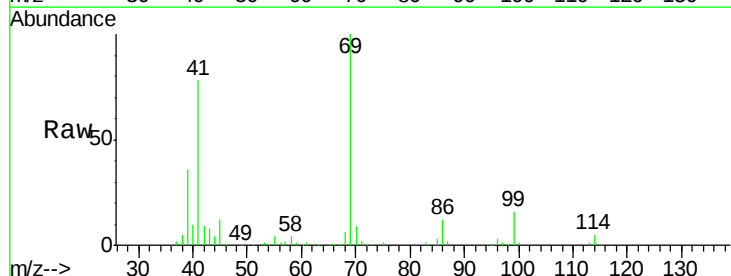
RT: 8.57 min Scan# 774

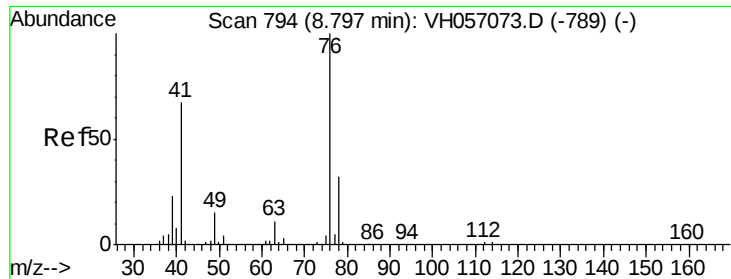
Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:	69	Resp:	357154
Ion	Ratio	Lower	Upper
69	100		
41	78.4	39.1	117.3
39	36.4	19.2	57.6





#57

1,3-Dichloropropane

Concen: 20.49 ug/l

RT: 8.80 min Scan# 796

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 367334

Ion Ratio Lower Upper

76 100

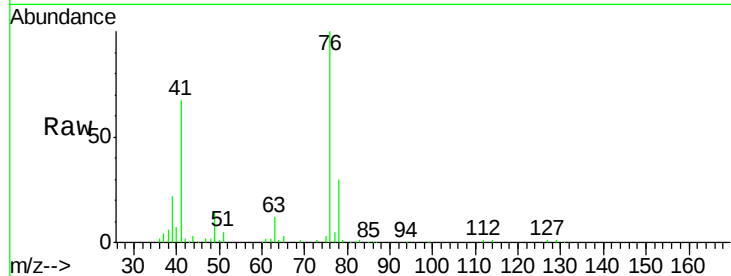
78 30.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/18/2015 3:12:30 PM



Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0

8.80

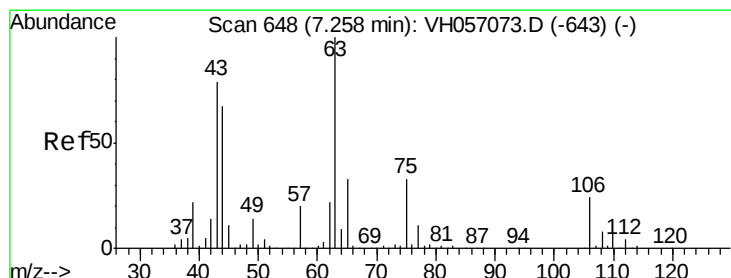
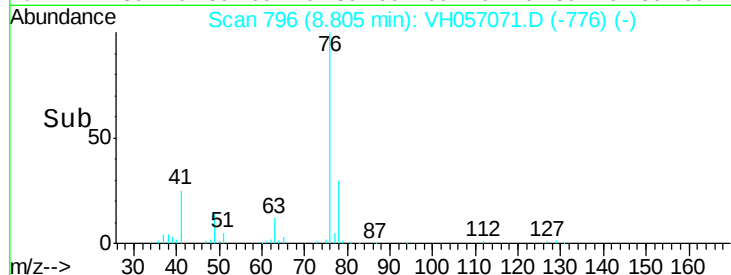
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 65.02 ug/l

RT: 7.26 min Scan# 649

Delta R.T. -0.00 min

Lab File: VH057071.D

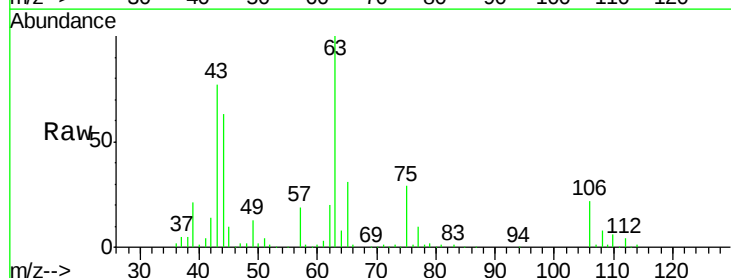
Acq: 17 Sep 2015 17:40

Tgt Ion: 63 Resp: 989623

Ion Ratio Lower Upper

63 100

106 22.0 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 106.00 (105.70 to 106.70): V

7.26

400000

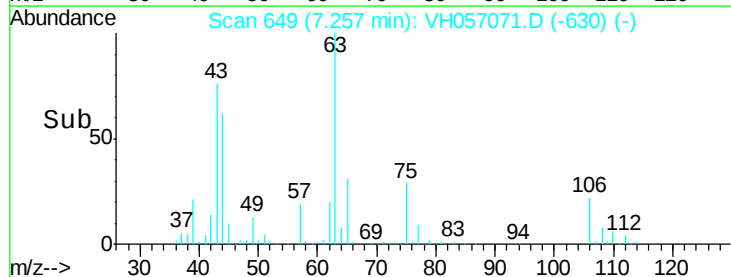
300000

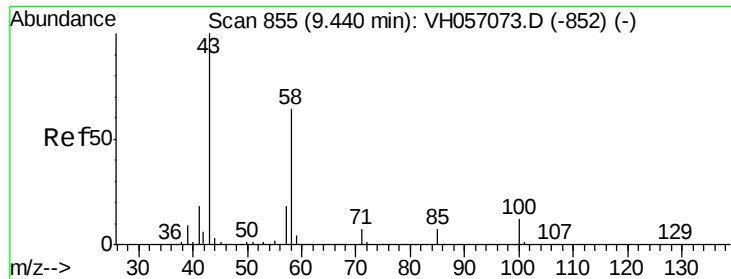
200000

100000

0

Time-->





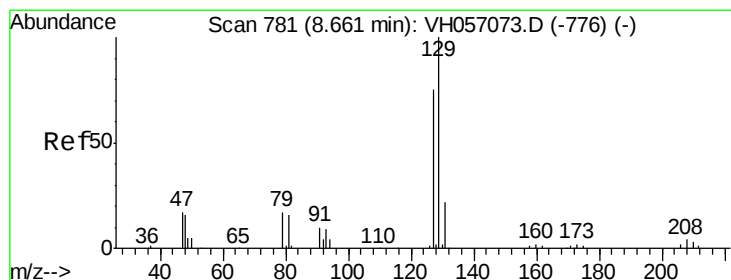
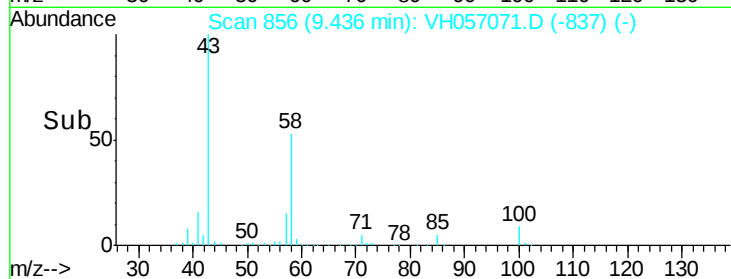
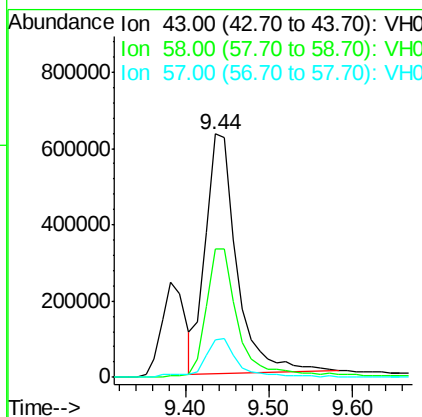
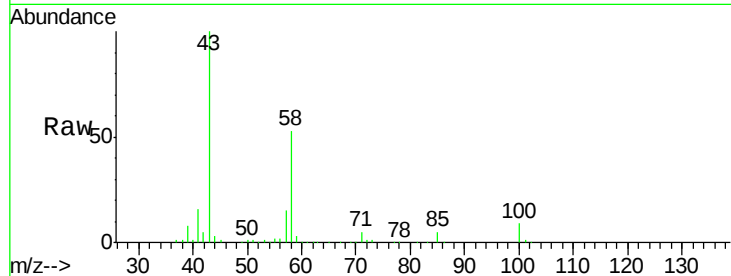
#59
2-Hexanone
Concen: 102.68 ug/l
RT: 9.44 min Scan# 856
Delta R.T. -0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1621667
Ion Ratio Lower Upper
43 100
58 52.9 27.1 81.2
57 15.2 8.1 24.3

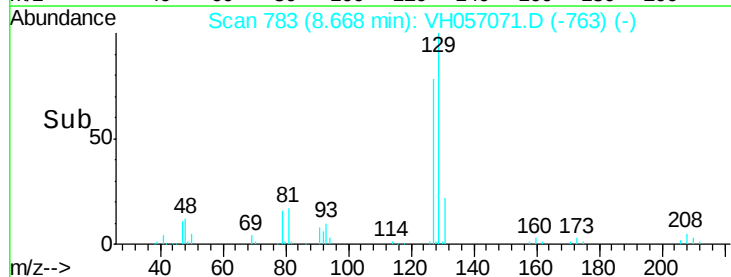
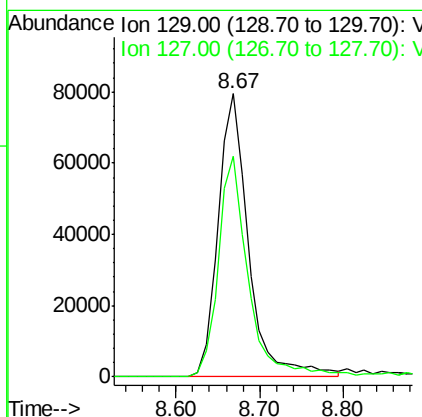
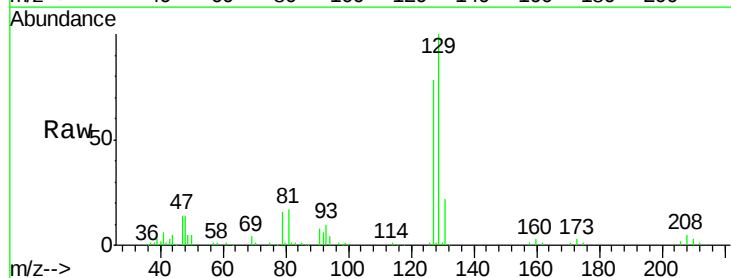
Manual Integrations
APPROVED

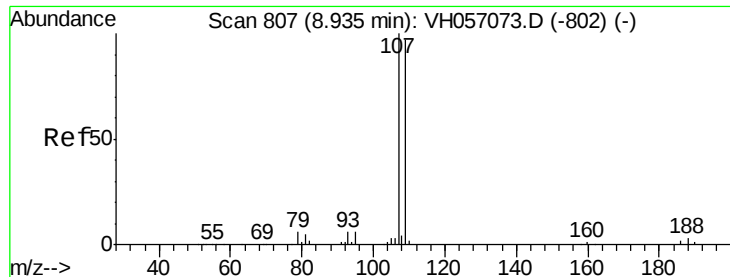
MMDadoda
9/18/2015 3:12:30 PM



#60
Dibromochloromethane
Concen: 20.55 ug/l
RT: 8.67 min Scan# 783
Delta R.T. 0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion:129 Resp: 199353
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





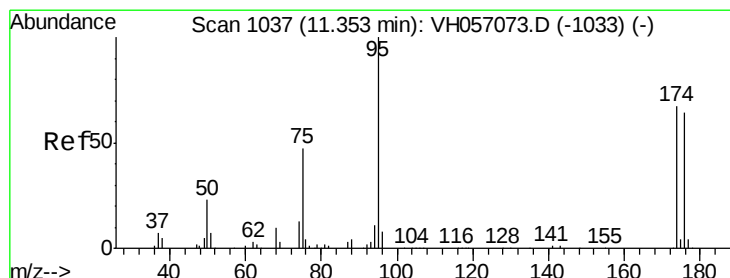
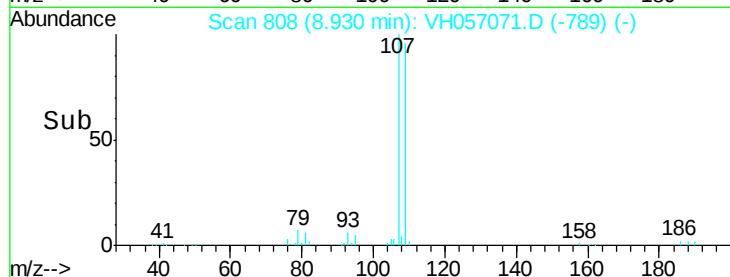
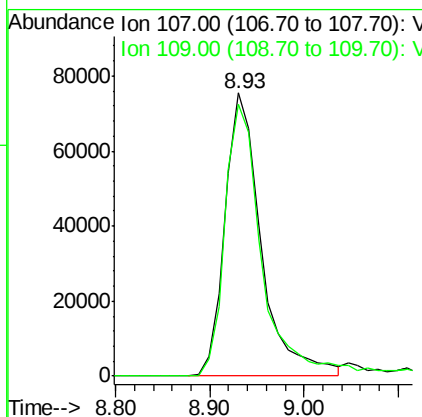
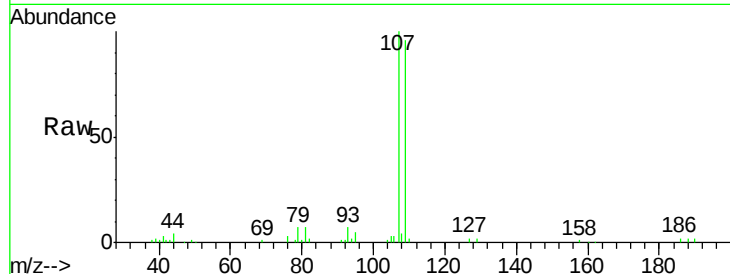
#61
 1,2-Dibromoethane
 Concen: 20.34 ug/l
 RT: 8.93 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	77.7	116.5

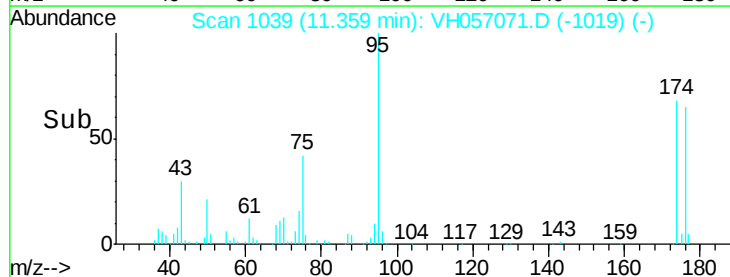
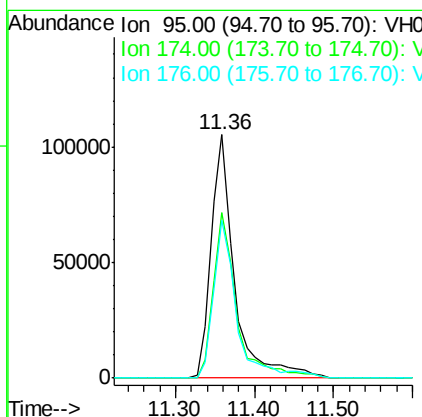
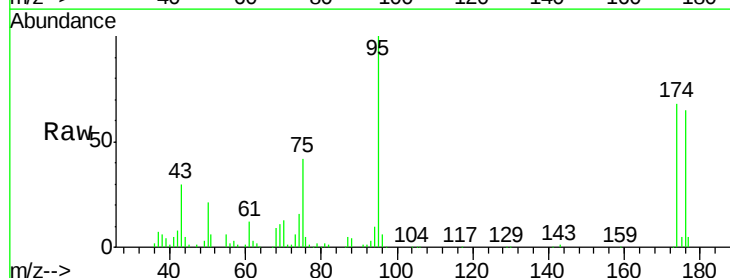
Manual Integrations
 APPROVED

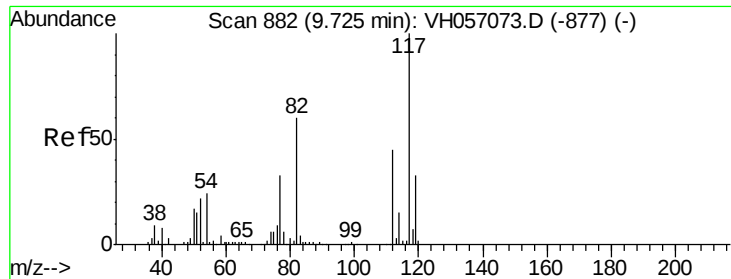
MMDadoda
 9/18/2015 3:12:30 PM



#62
 4-Bromofluorobenzene
 Concen: 24.26 ug/l
 RT: 11.36 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.0	58.4	87.6
176	65.0	54.3	81.5





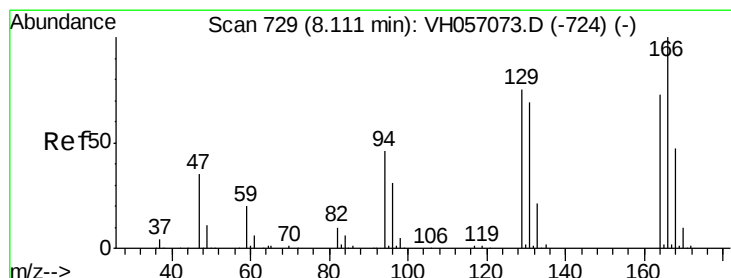
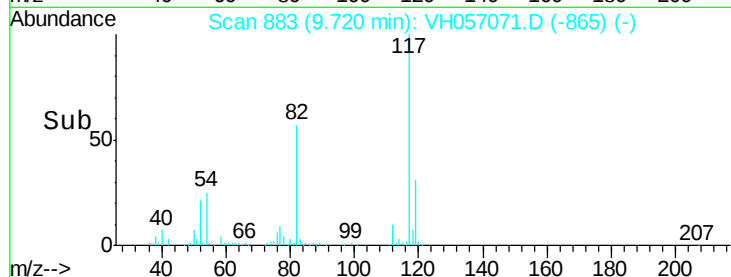
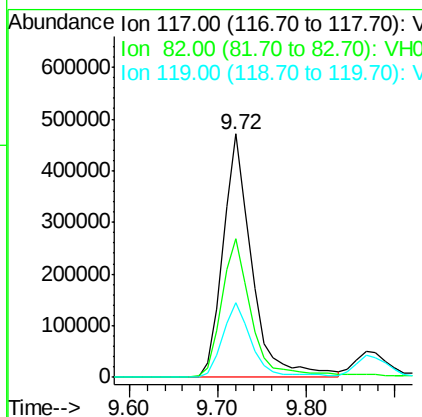
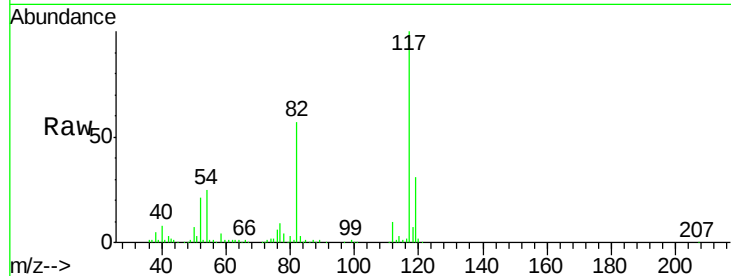
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 883
Delta R.T. -0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1060336
Ion Ratio Lower Upper
117 100
82 56.8 51.0 76.6
119 30.8 26.7 40.1

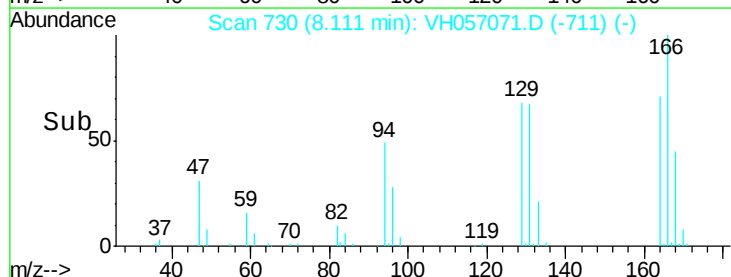
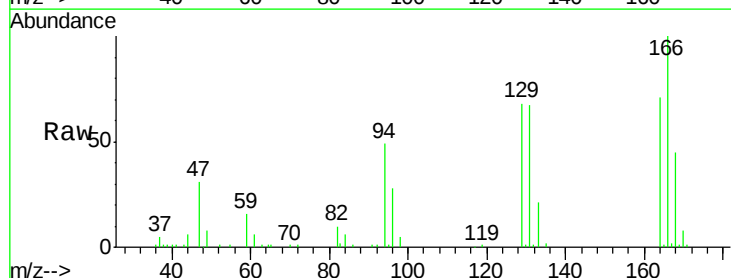
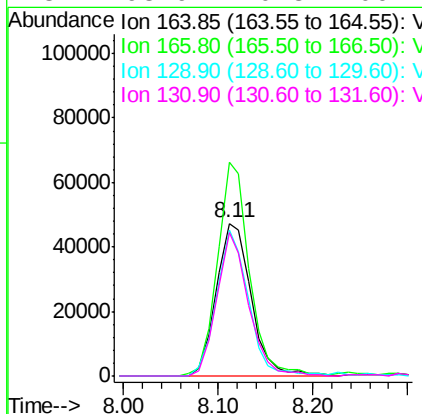
Manual Integrations
APPROVED

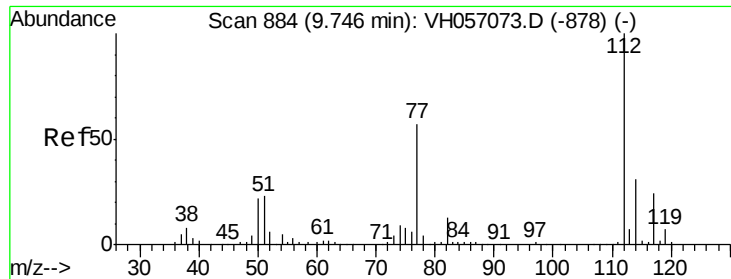
MMDadoda
9/18/2015 3:12:30 PM



#64
Tetrachloroethene
Concen: 20.42 ug/l
RT: 8.11 min Scan# 730
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion:164 Resp: 121965
Ion Ratio Lower Upper
164 100
166 140.0 103.2 154.8
129 95.7 73.4 110.0
131 93.9 70.8 106.2





#65

Chlorobenzene

Concen: 19.77 ug/l

RT: 9.74 min Scan# 885

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 437642

Ion Ratio Lower Upper

112 100

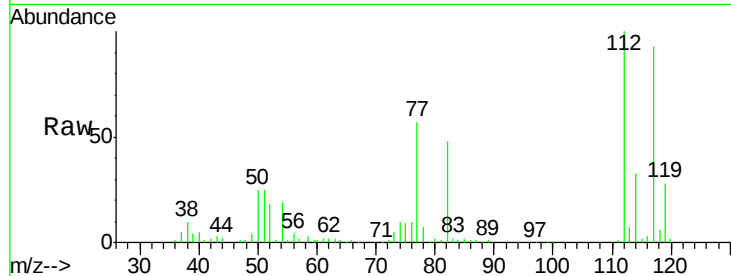
114 32.9 26.3 39.5

Manual Integrations

APPROVED

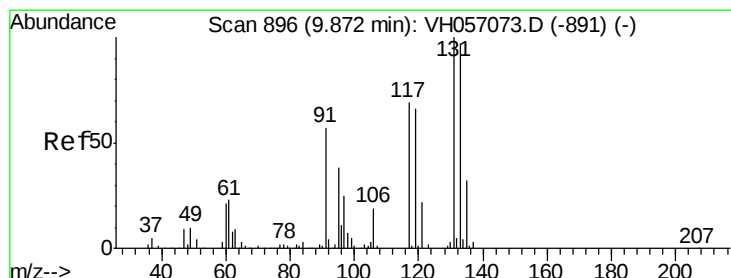
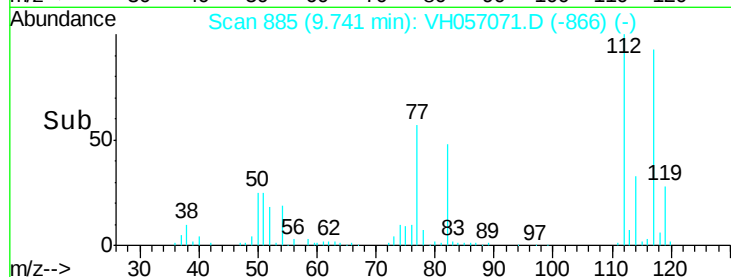
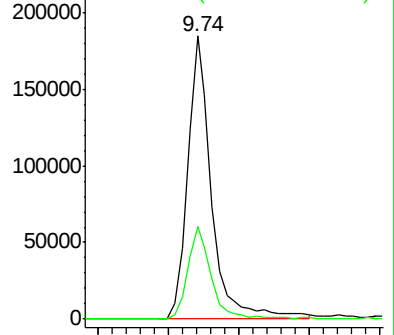
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.08 ug/l

RT: 9.87 min Scan# 897

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

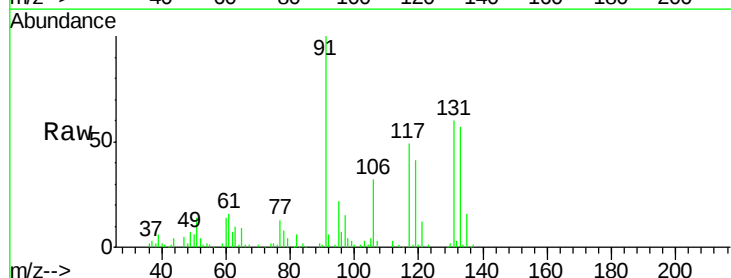
Tgt Ion:131 Resp: 156053

Ion Ratio Lower Upper

131 100

133 95.5 51.1 153.3

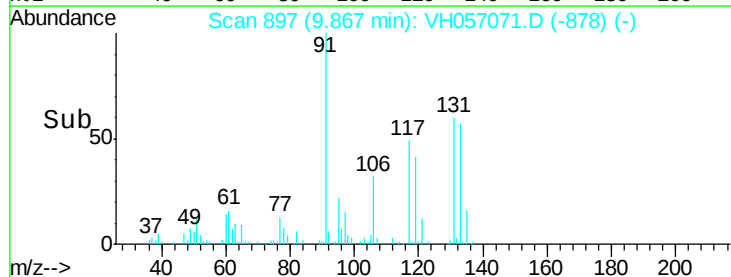
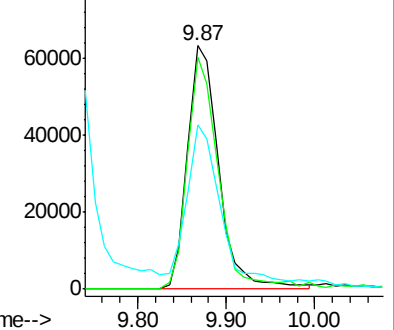
119 67.5 36.3 108.9

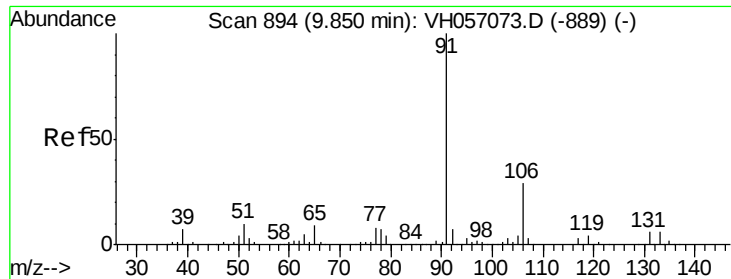


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 18.85 ug/l

RT: 9.85 min Scan# 895

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion:106 Resp: 209187

Ion Ratio Lower Upper

106 100

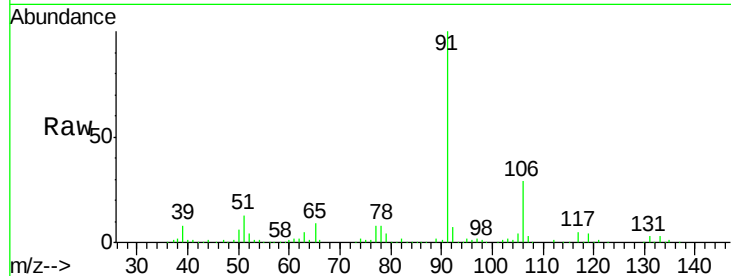
91 347.0 264.9 397.3

Manual Integrations

APPROVED

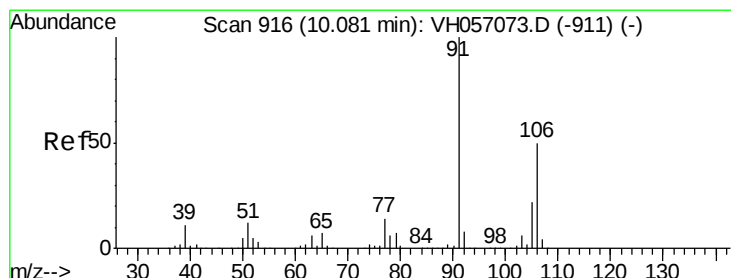
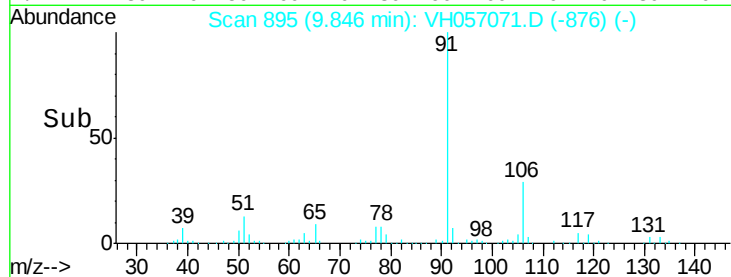
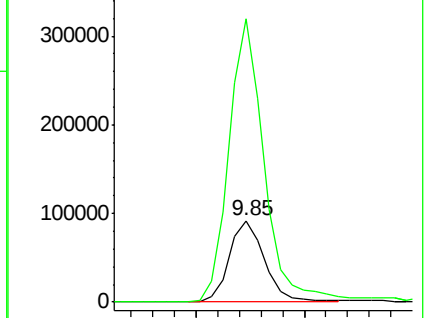
MMDadoda

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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0



#68

m/p-Xylenes

Concen: 38.44 ug/l

RT: 10.08 min Scan# 917

Delta R.T. -0.00 min

Lab File: VH057071.D

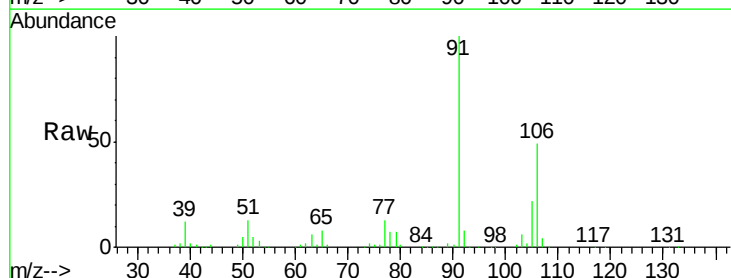
Acq: 17 Sep 2015 17:40

Tgt Ion:106 Resp: 512404

Ion Ratio Lower Upper

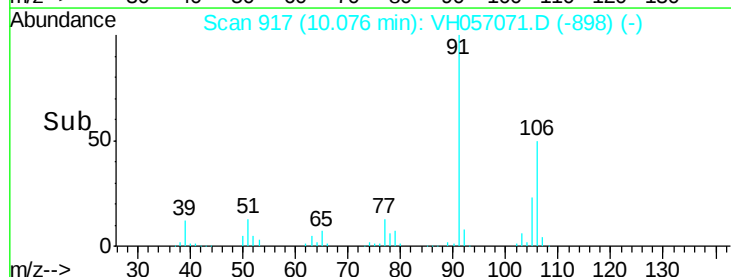
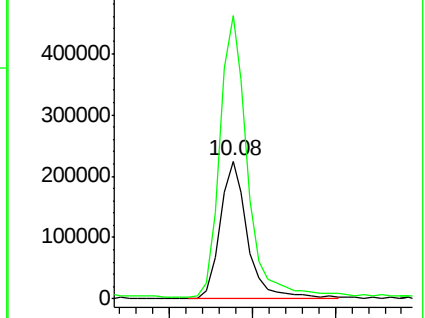
106 100

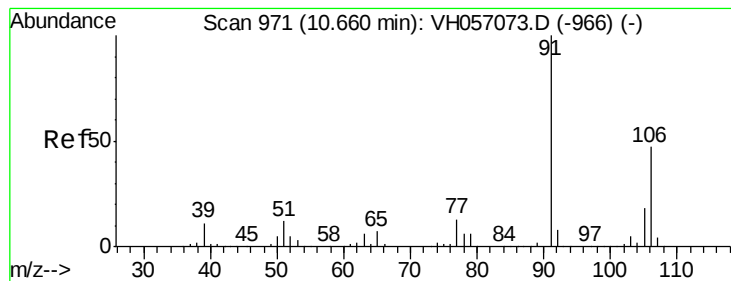
91 205.0 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0





#69

o-Xylene

Concen: 18.82 ug/l

RT: 10.66 min Scan# 972

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleID :

VSTDIC020

Tot Ion:106 Resp: 242213

Ion Ratio Lower Upper

106 100

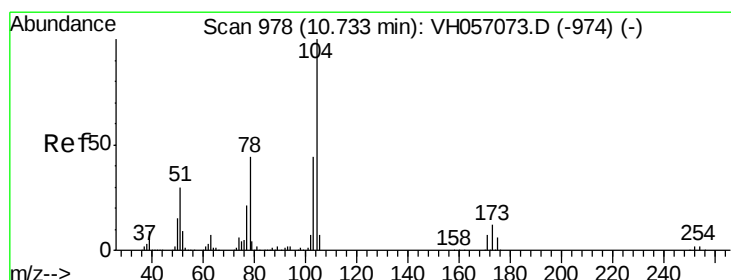
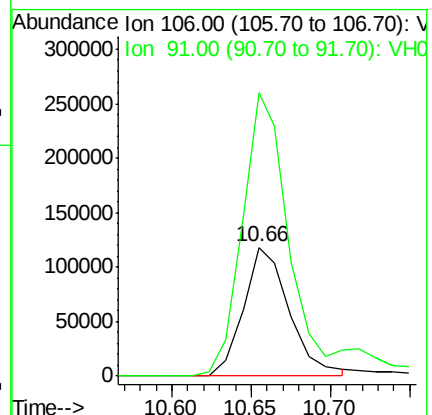
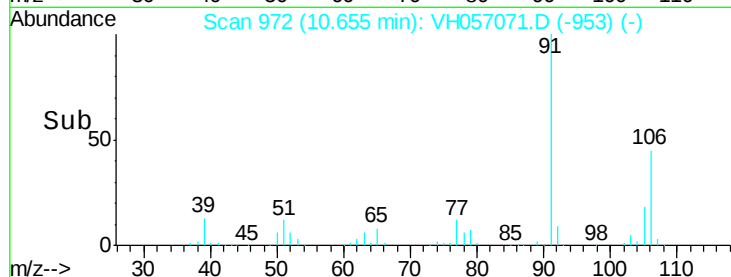
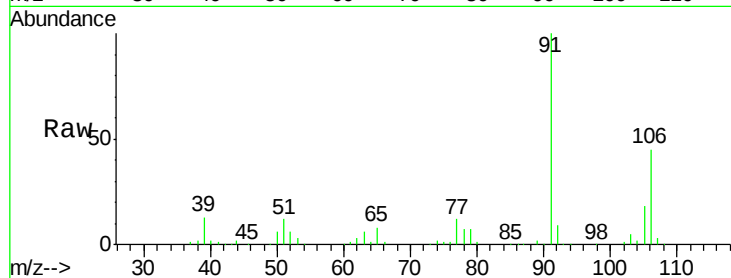
91 220.0 104.2 312.6

Manual Integrations

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#70

Styrene

Concen: 19.56 ug/l

RT: 10.74 min Scan# 980

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

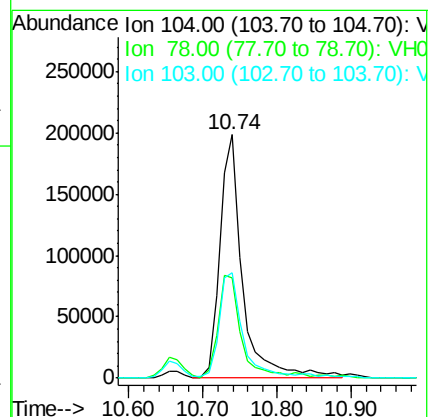
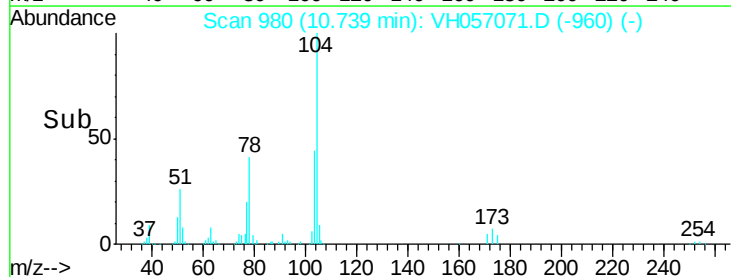
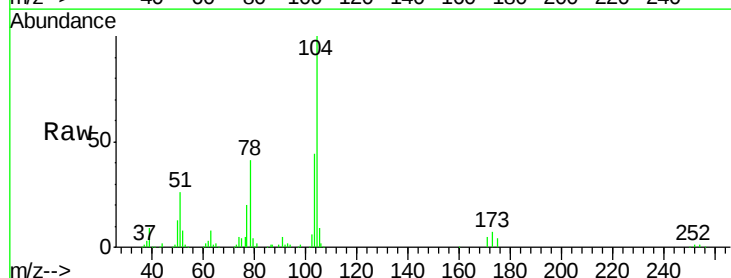
Tgt Ion:104 Resp: 424163

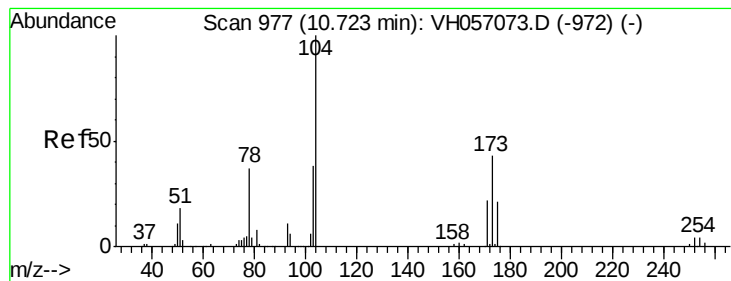
Ion Ratio Lower Upper

104 100

78 41.1 35.2 52.8

103 43.5 35.8 53.6





#71

Bromoform

Concen: 19.93 ug/l

RT: 10.72 min Scan# 978

Delta R.T. -0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

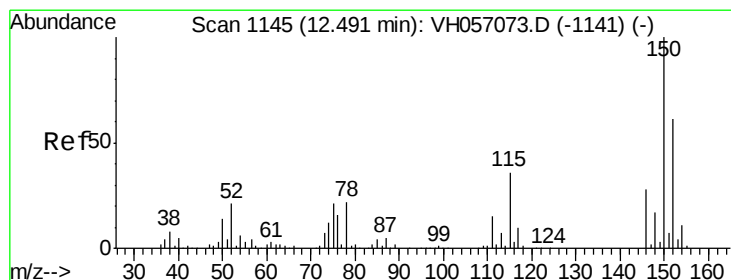
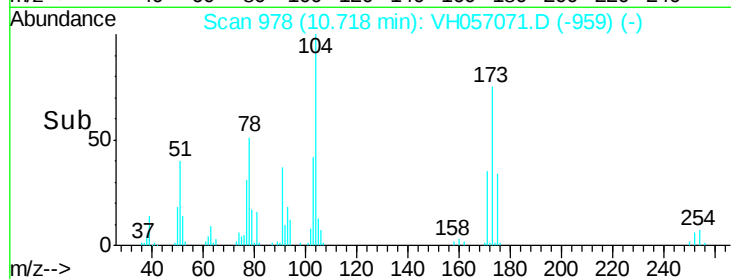
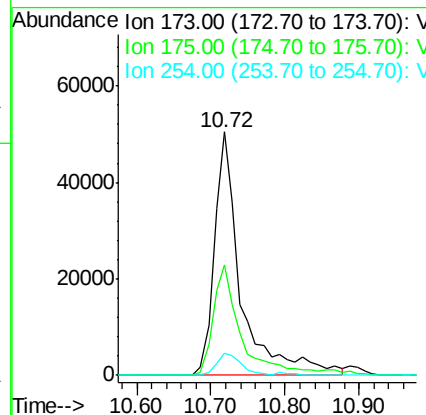
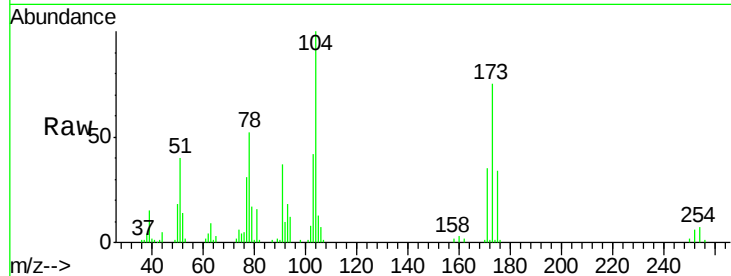
ClientSampleId :

VSTDIC020

Tot Ion:173	Resp:	126807
Ion Ratio	Lower	Upper
173 100		
175 45.5	23.3	69.9
254 8.9	4.4	13.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

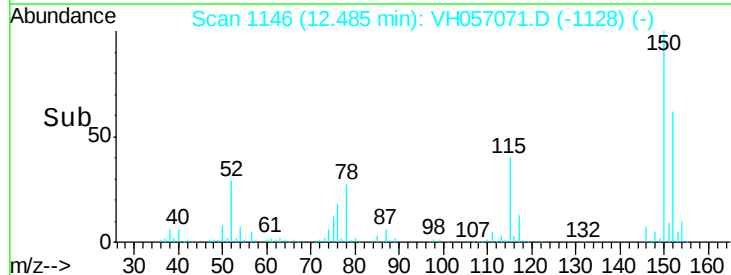
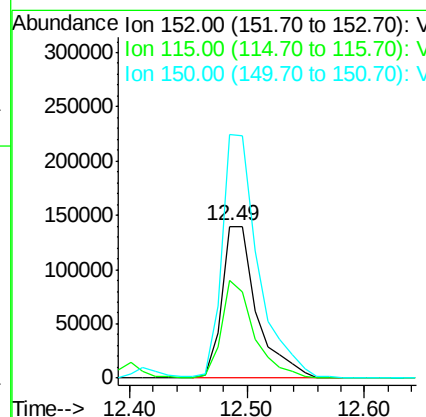
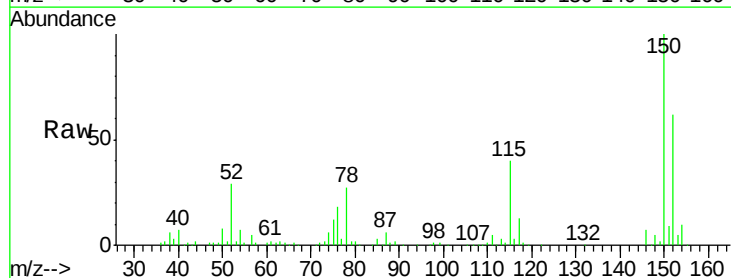
RT: 12.49 min Scan# 1146

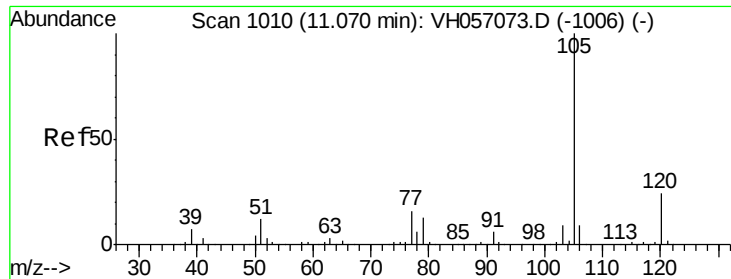
Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:152	Resp:	289978
Ion Ratio	Lower	Upper
152 100		
115 64.3	28.2	84.6
150 160.8	0.0	332.0





#73

Isopropylbenzene

Concen: 20.36 ug/l

RT: 11.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 554832

Ion Ratio Lower Upper

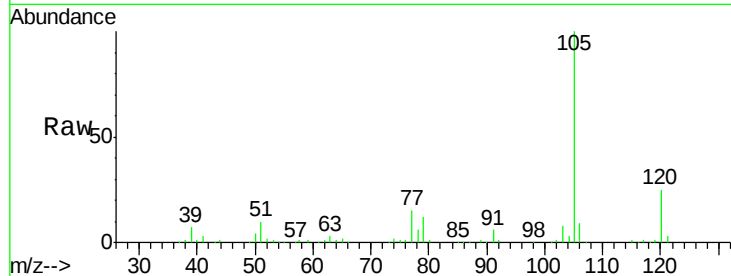
105 100

120 25.0 12.2 36.4

Manual Integrations
APPROVED

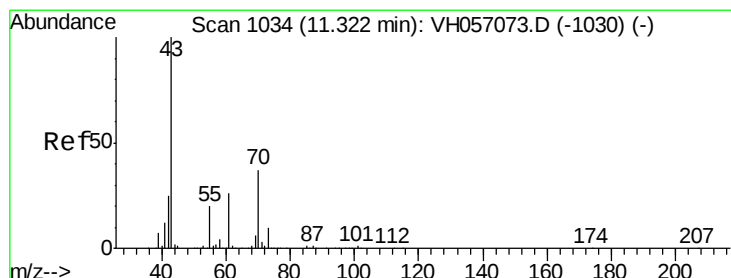
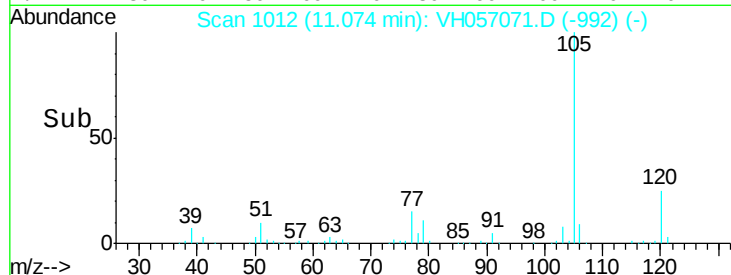
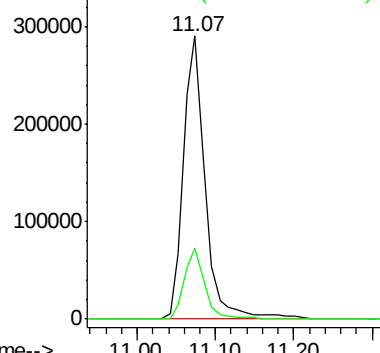
MMDadoda

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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: 18.52 ug/l

RT: 11.33 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion: 43 Resp: 548785

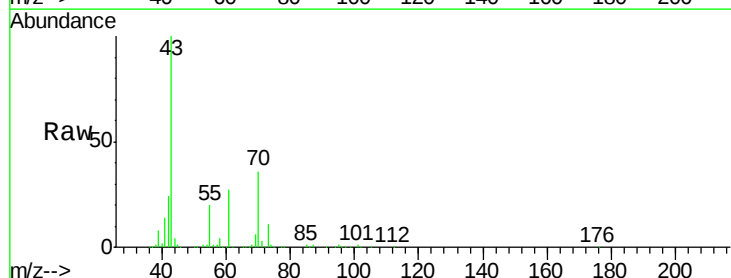
Ion Ratio Lower Upper

43 100

70 36.4 27.3 40.9

55 20.4 15.3 22.9

61 27.2 19.4 29.0

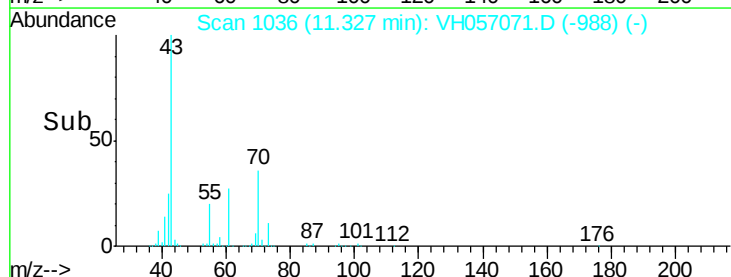
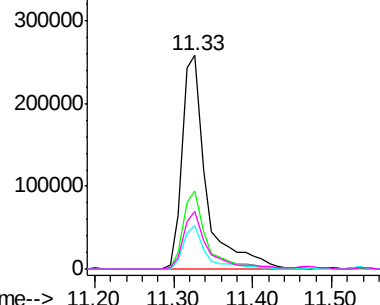


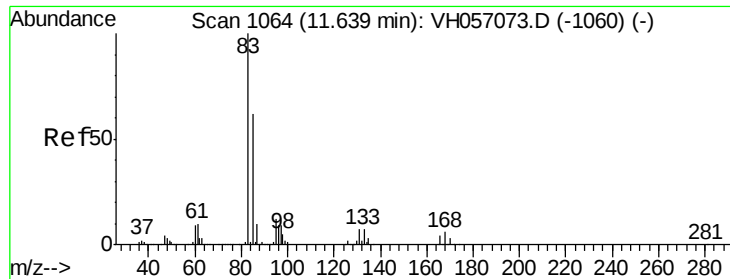
Abundance Ion 43.05 (42.75 to 43.75): V

Ion 70.05 (69.75 to 70.75): V

Ion 55.05 (54.75 to 55.75): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.15 ug/l

RT: 11.64 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 283861

Ion Ratio Lower Upper

83 100

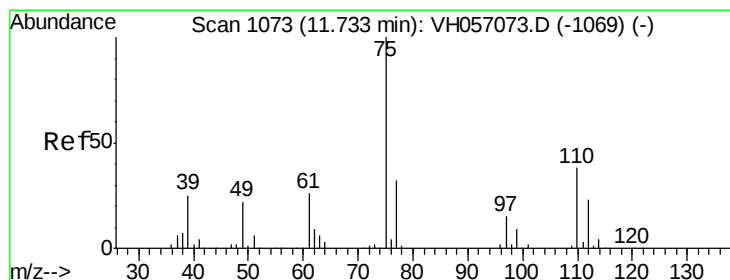
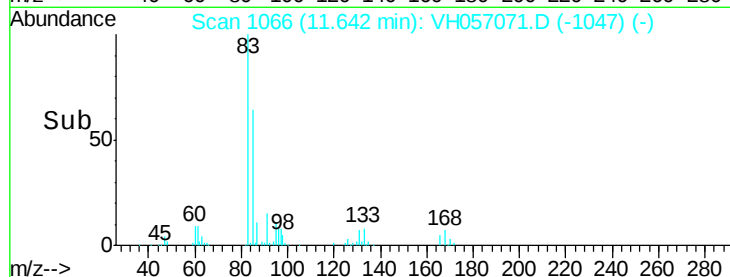
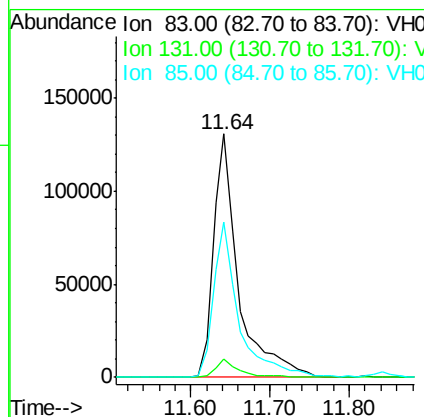
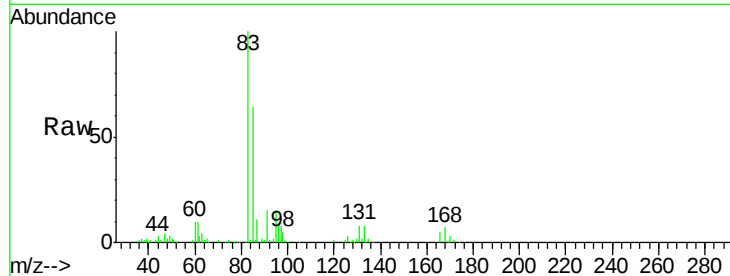
131 7.6 3.1 9.3

85 63.6 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.66 ug/l

RT: 11.74 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VH057071.D

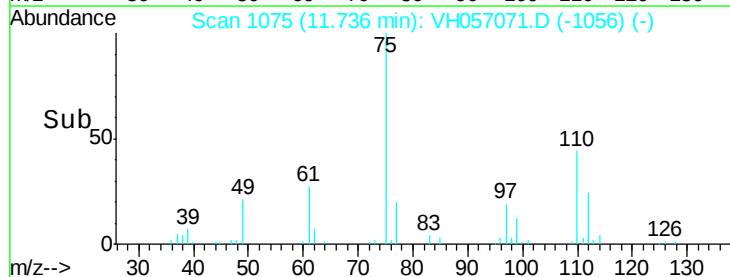
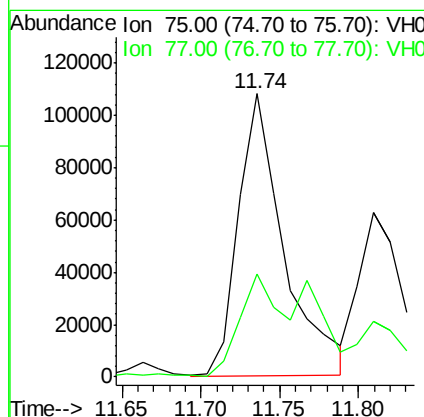
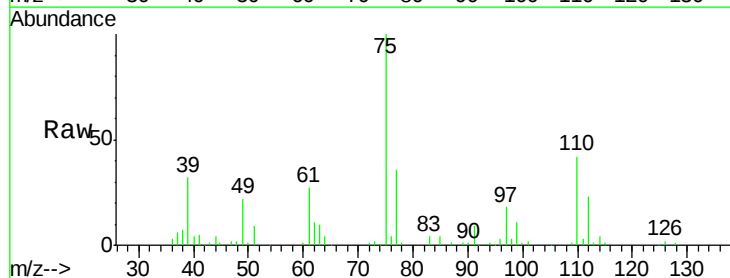
Acq: 17 Sep 2015 17:40

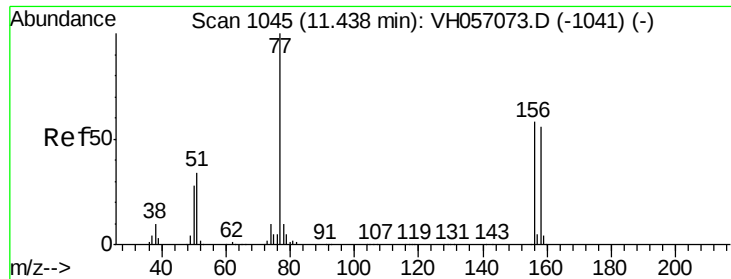
Tgt Ion: 75 Resp: 215579

Ion Ratio Lower Upper

75 100

77 36.4 14.9 44.9





#77

Bromobenzene

Concen: 20.81 ug/l

RT: 11.44 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

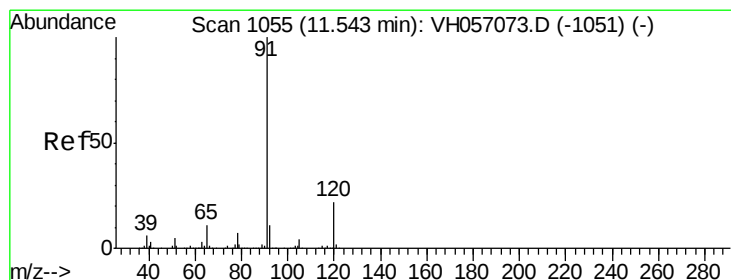
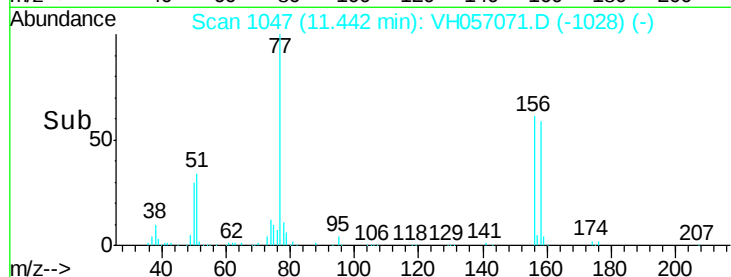
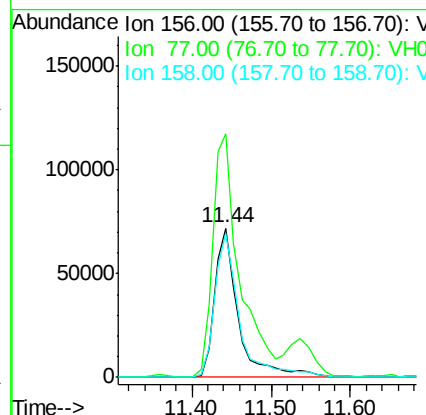
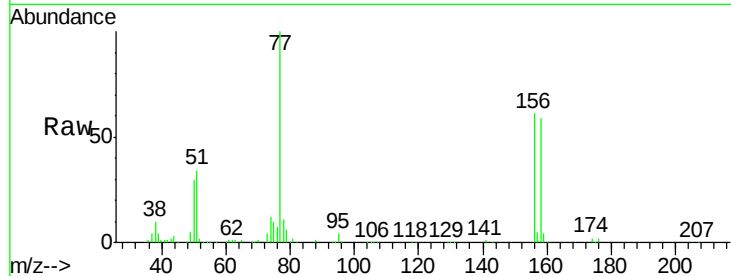
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		152916		
77	163.4		73.5	220.5	
158	96.8		46.8	140.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.22 ug/l

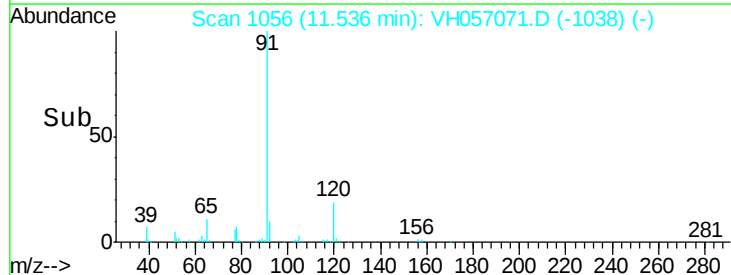
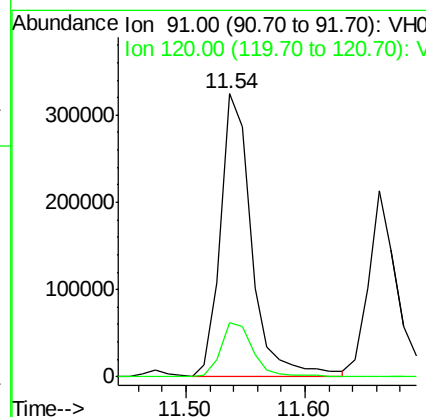
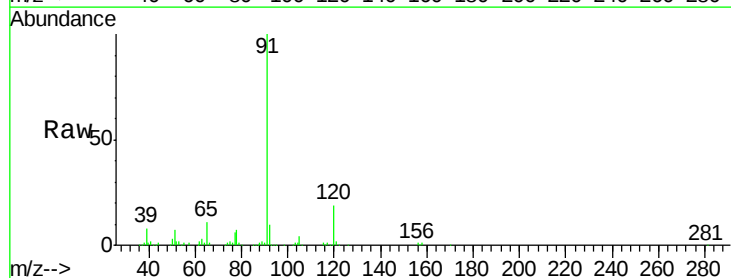
RT: 11.54 min Scan# 1056

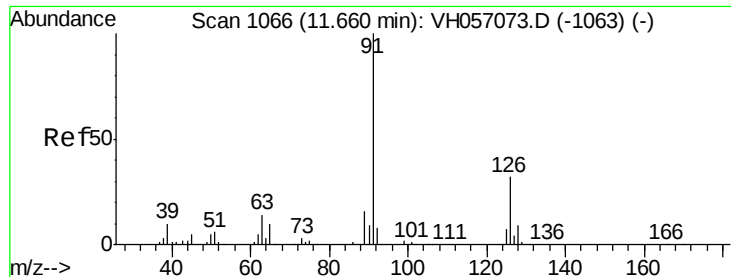
Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		579429		
120	19.0		10.2	30.6	





#79

2-Chlorotoluene

Concen: 20.48 ug/l

RT: 11.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 355583

Ion Ratio Lower Upper

91 100

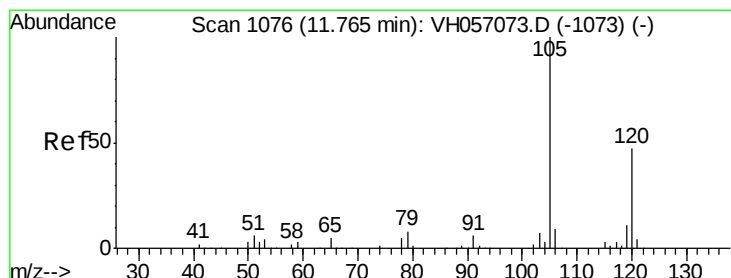
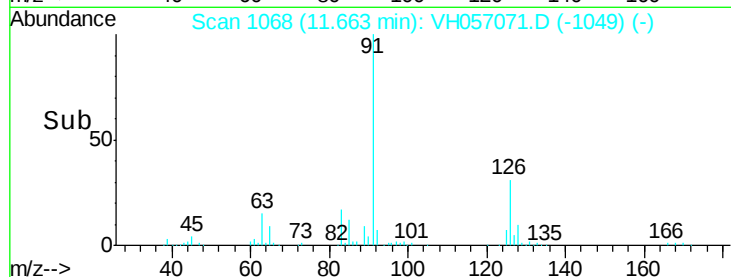
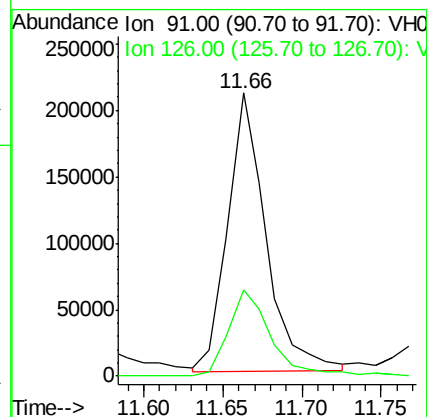
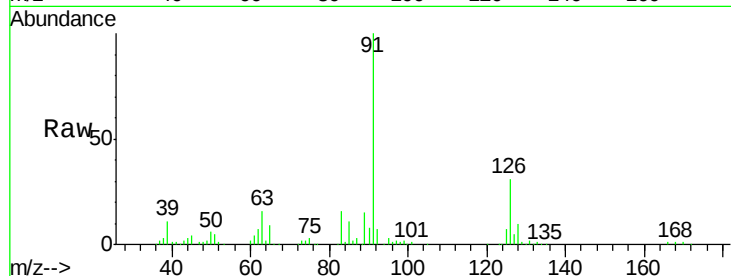
126 30.6 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.13 ug/l

RT: 11.77 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VH057071.D

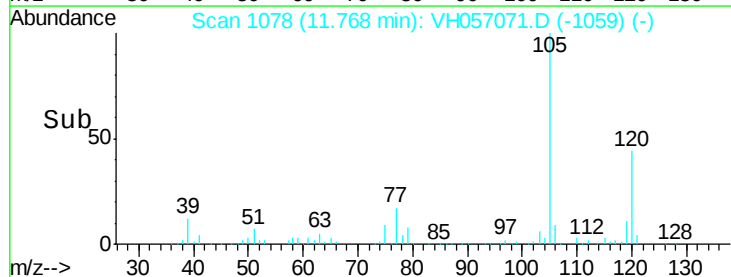
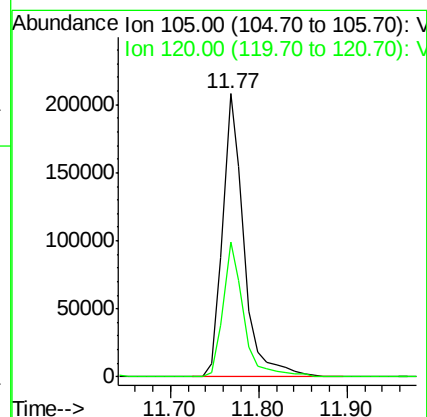
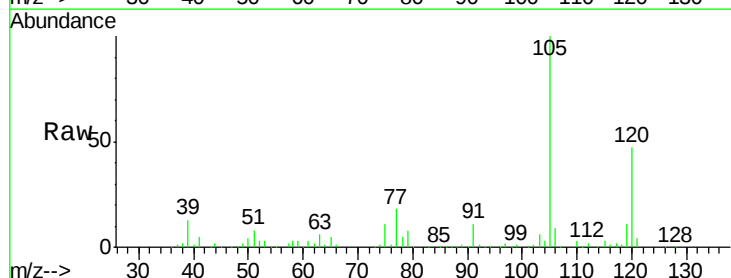
Acq: 17 Sep 2015 17:40

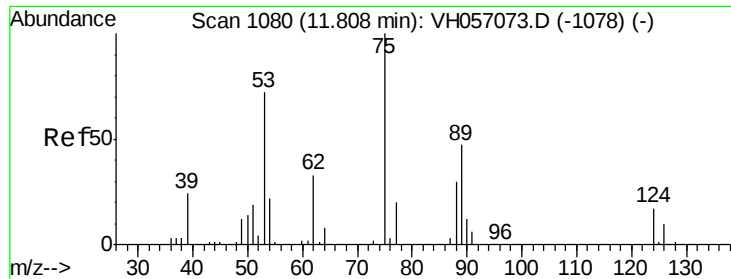
Tgt Ion: 105 Resp: 356153

Ion Ratio Lower Upper

105 100

120 47.5 23.6 71.0





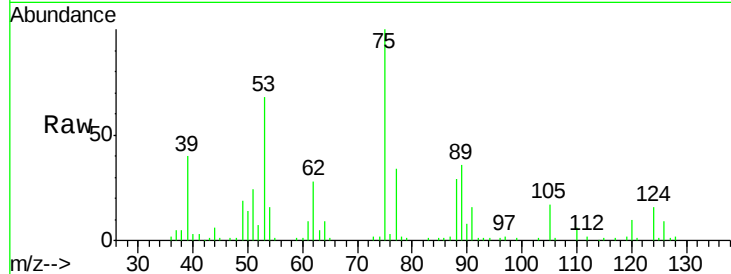
#81
trans-1,4-Dichloro-2-Butene
Concen: 18.03 ug/l
RT: 11.81 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	68.0	32.0	96.2
89	36.1	21.1	63.3

Manual Integrations
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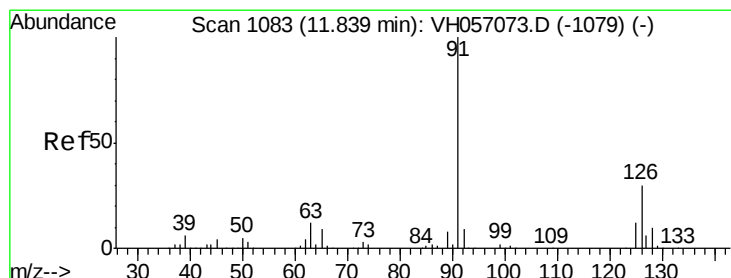
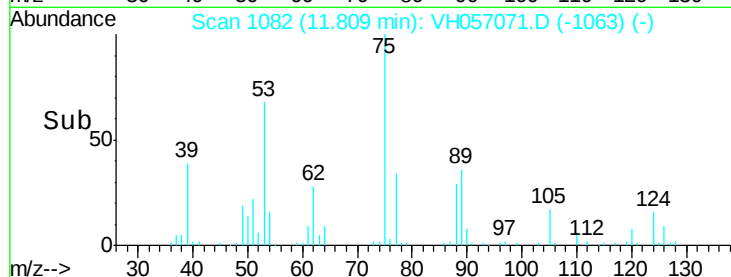
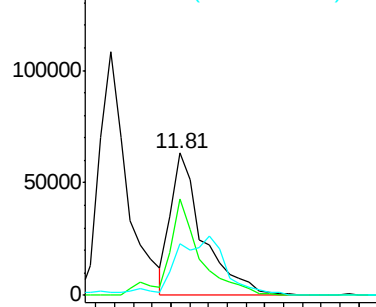
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Abundance Ion 75.00 (74.70 to 75.70): VH057073.D (-1078) (-)

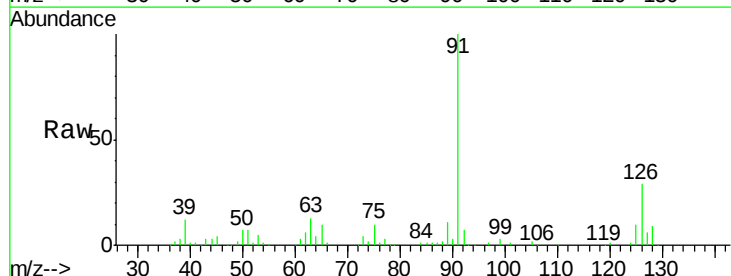
Ion 53.00 (52.70 to 53.70): VH057073.D (-1078) (-)

Ion 89.00 (88.70 to 89.70): VH057073.D (-1078) (-)



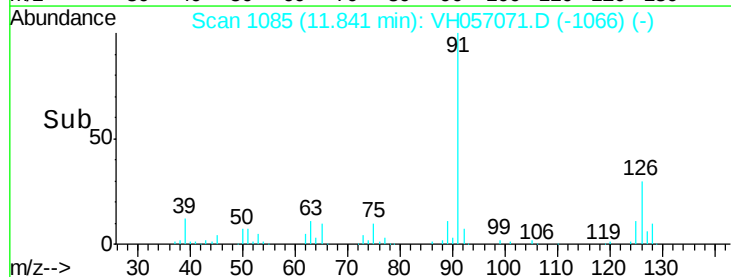
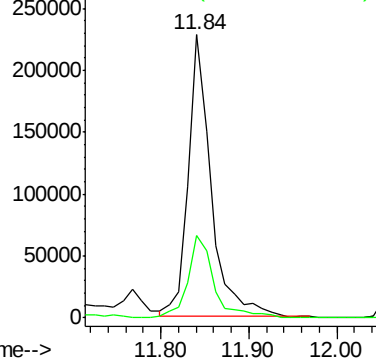
#82
4-Chlorotoluene
Concen: 19.77 ug/l
RT: 11.84 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

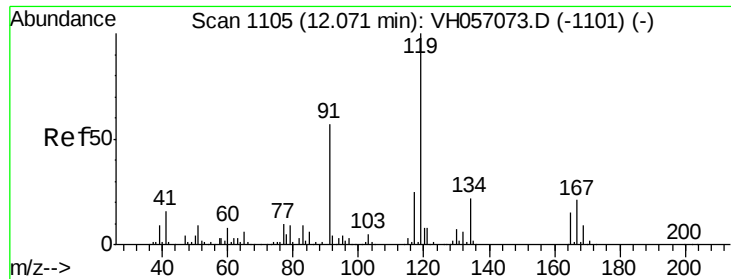
Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	17.0	51.0



Abundance Ion 91.00 (90.70 to 91.70): VH057073.D (-1079) (-)

Ion 126.00 (125.70 to 126.70): VH057073.D (-1079) (-)





#83

tert-Butylbenzene

Concen: 20.71 ug/l

RT: 12.07 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

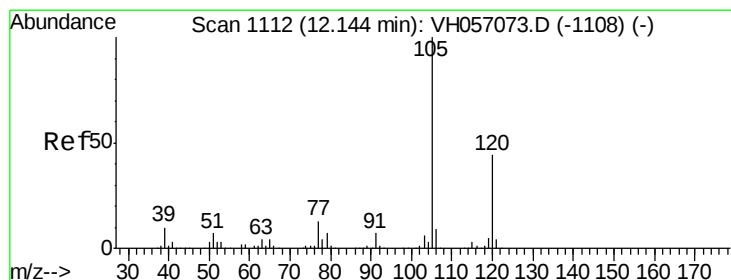
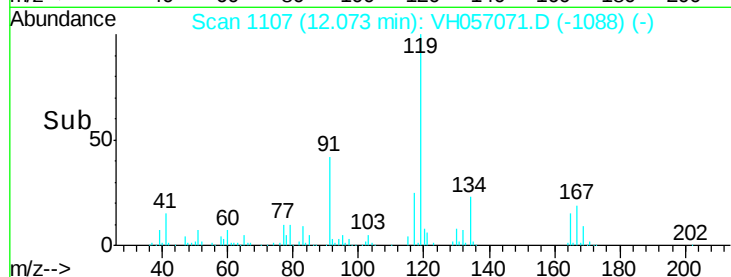
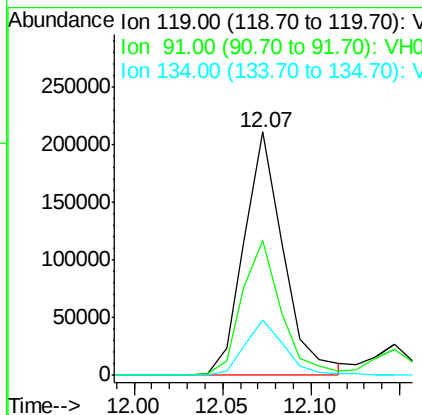
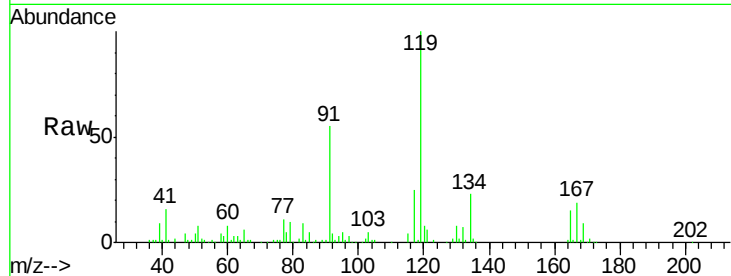
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	328449
Ion Ratio	Lower	Upper	
119	100		
91	55.2	28.5	85.6
134	22.7	11.5	34.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.83 ug/l

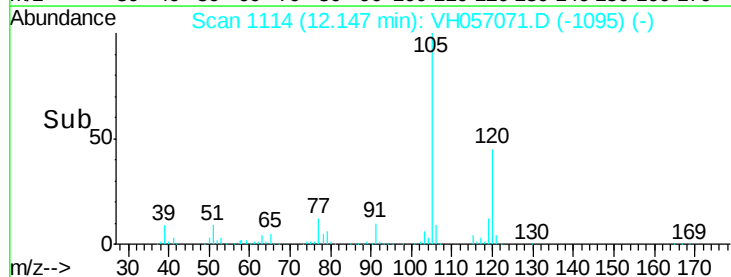
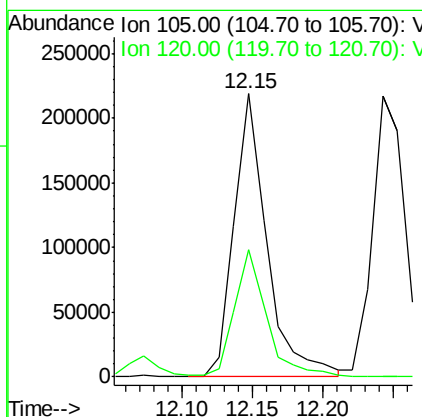
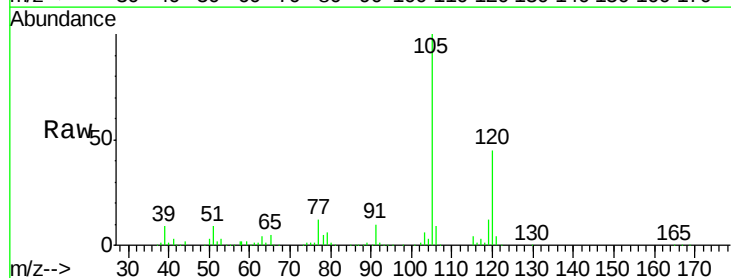
RT: 12.15 min Scan# 1114

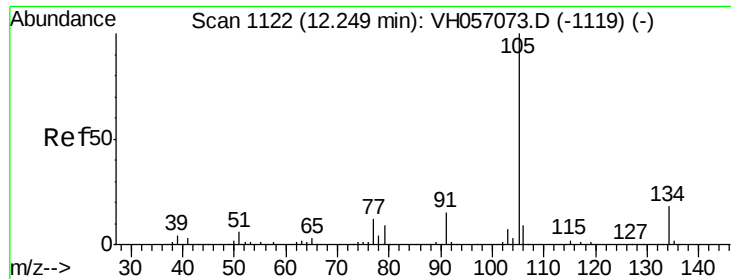
Delta R.T. 0.00 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Tgt Ion:	105	Resp:	354916
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.94 ug/l

RT: 12.24 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 370226

Ion Ratio Lower Upper

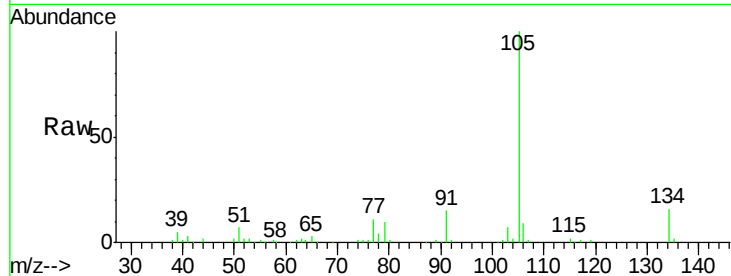
105 100

134 15.7 9.1 27.3

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

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

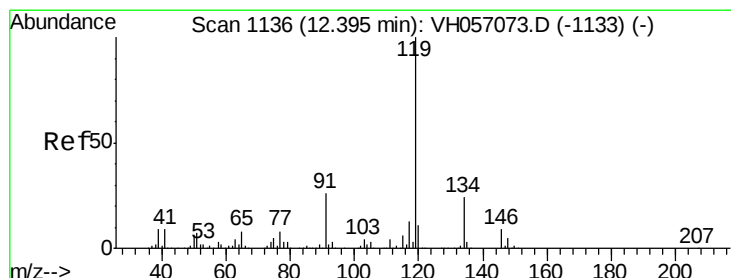
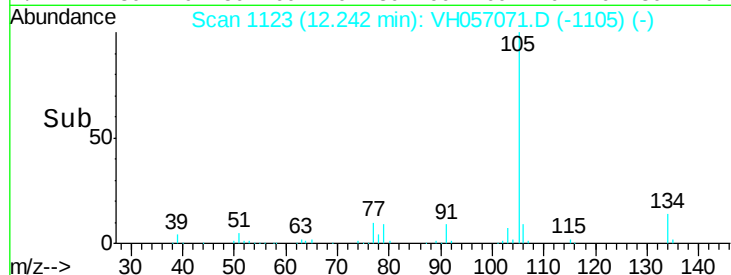
0

12.20

12.24

12.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.65 ug/l

RT: 12.40 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VH057071.D

Acq: 17 Sep 2015 17:40

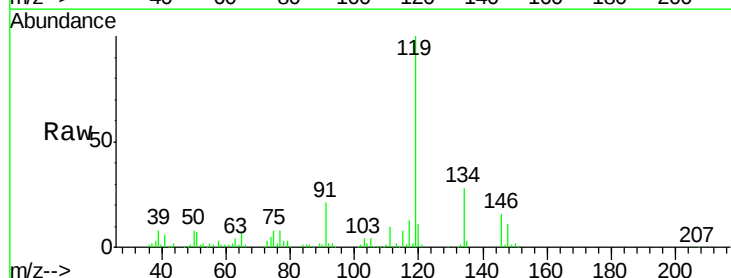
Tgt Ion:119 Resp: 267141

Ion Ratio Lower Upper

119 100

134 27.7 13.0 38.9

91 21.5 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

50000

0

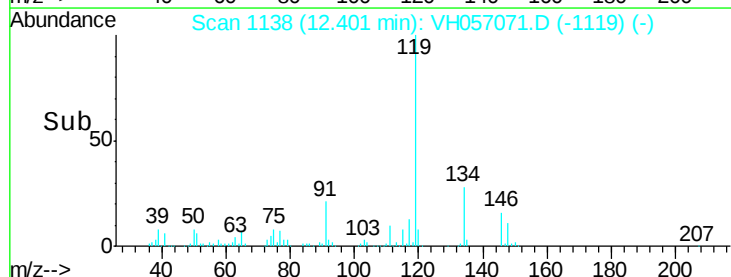
12.35

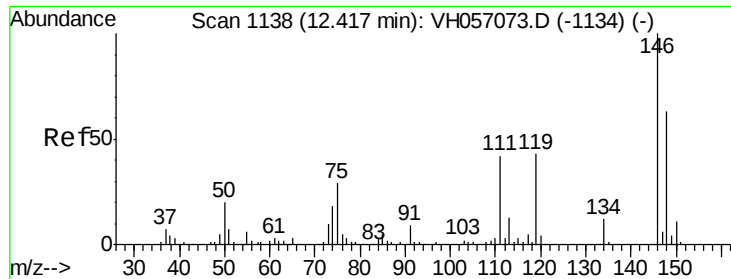
12.40

12.45

12.50

Time-->





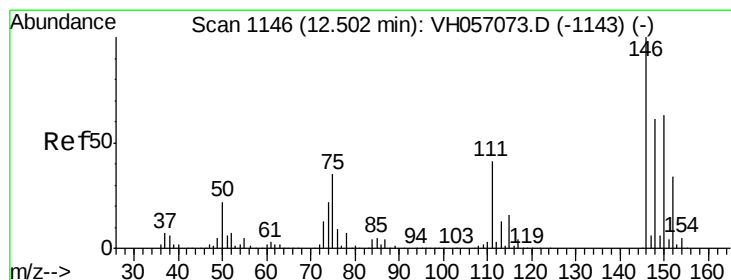
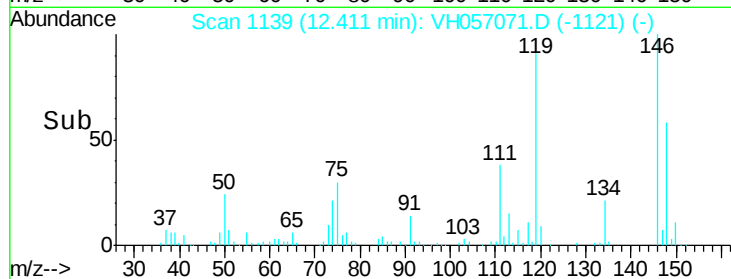
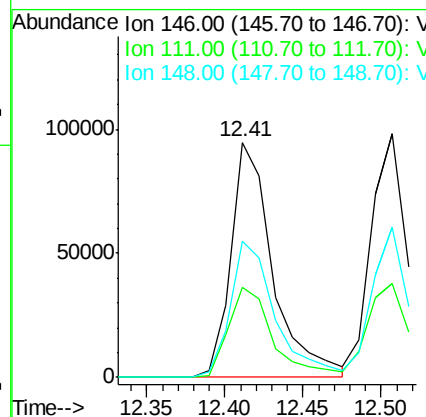
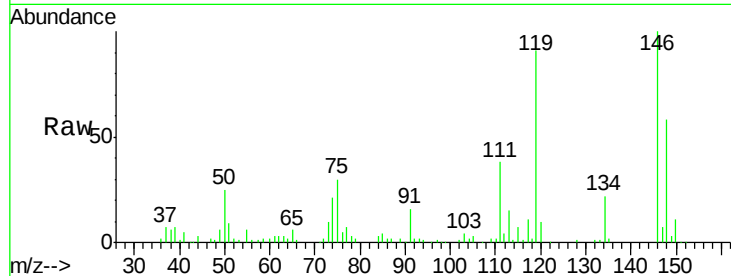
#87
 1,3-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 12.41 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.0	63.0
148	57.8	31.6	94.7

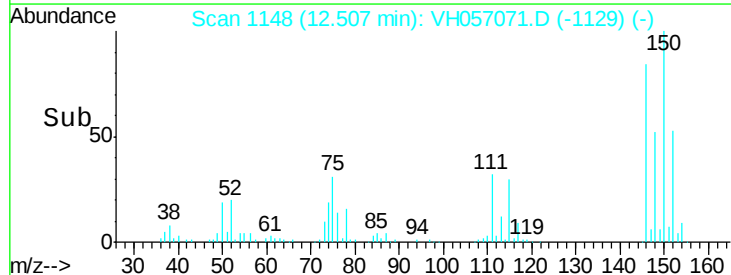
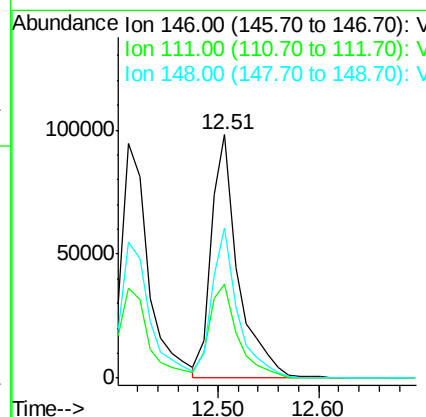
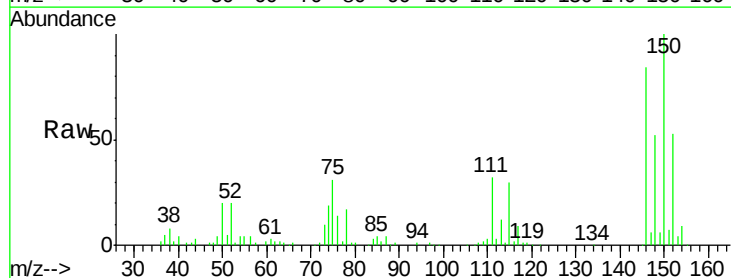
Manual Integrations
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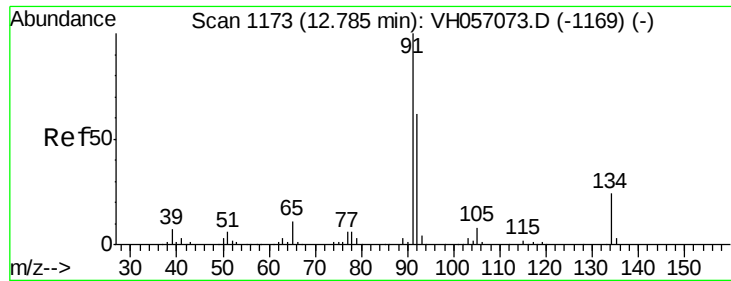
MMDadoda
 9/18/2015 3:12:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.51 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.8	59.3
148	61.9	30.3	90.9





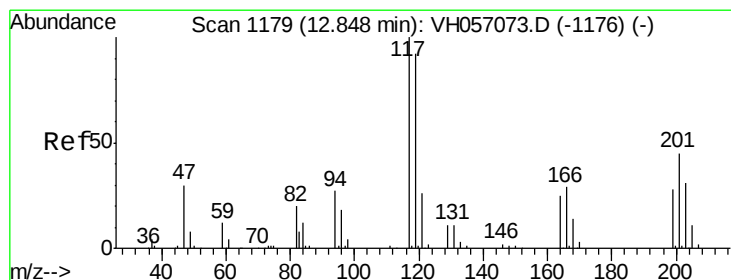
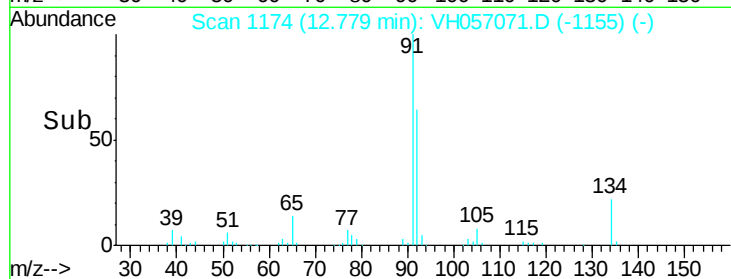
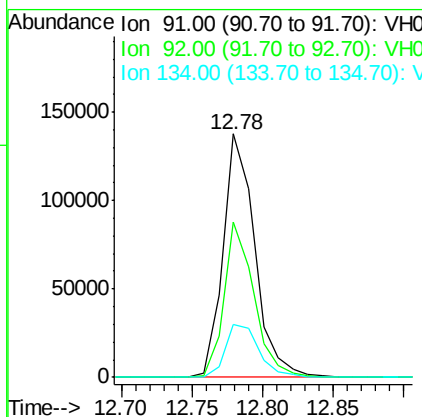
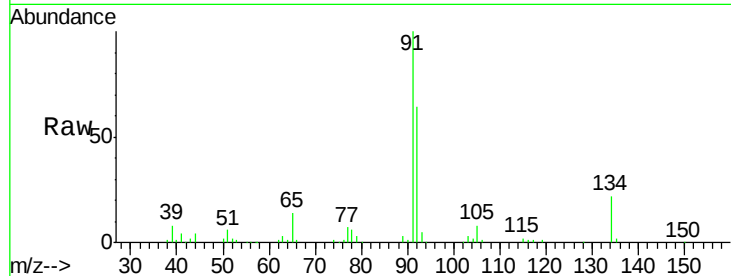
#89
n-Butylbenzene
Concen: 21.26 ug/l
RT: 12.78 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	215594		
92	63.6		31.3	93.9
134	21.6		10.5	31.6

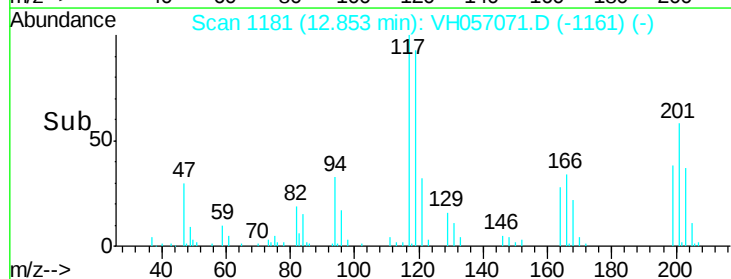
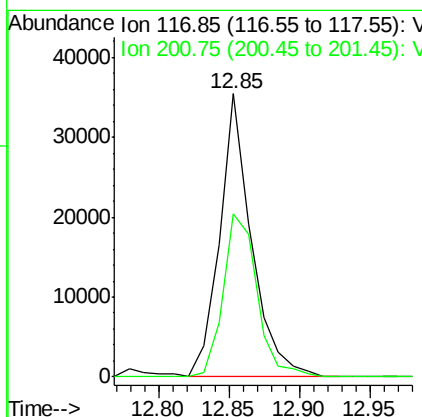
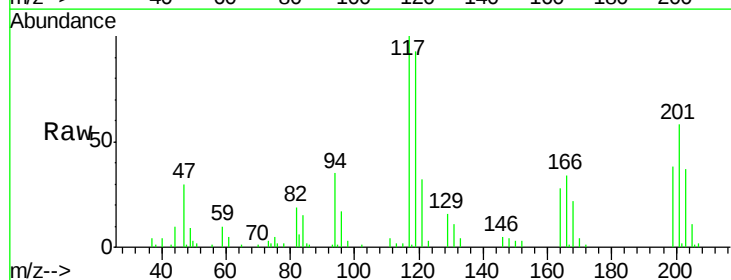
Manual Integrations
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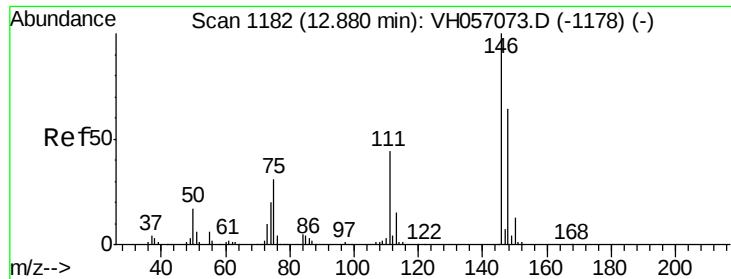
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#90
Hexachloroethane
Concen: 20.20 ug/l
RT: 12.85 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	55624		
201	57.7		14.0	80.8





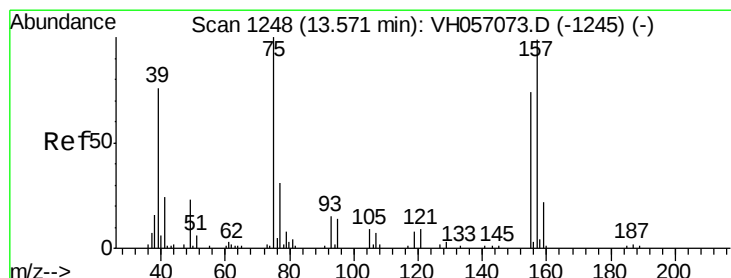
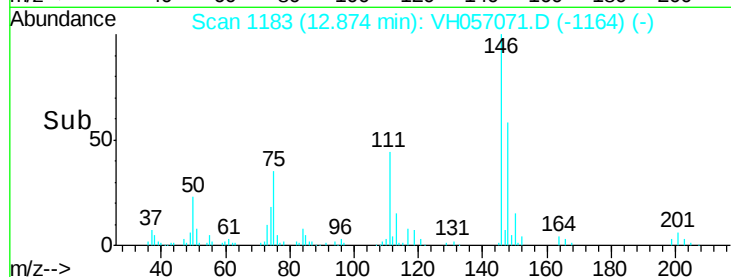
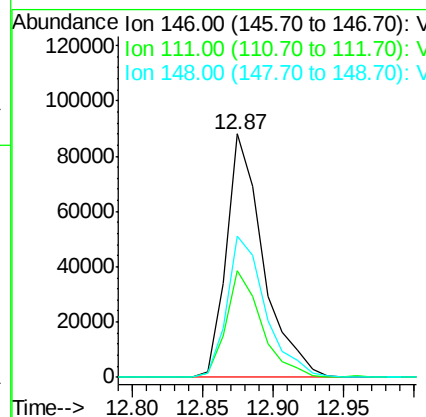
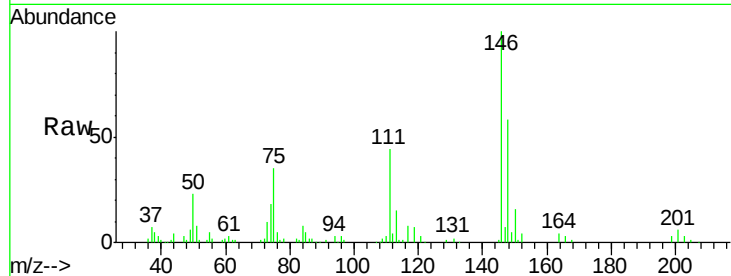
#91
 1,2-Dichlorobenzene
 Concen: 21.24 ug/l
 RT: 12.87 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	160275		
111	43.6	22.1	66.1	
148	57.9	31.4	94.3	

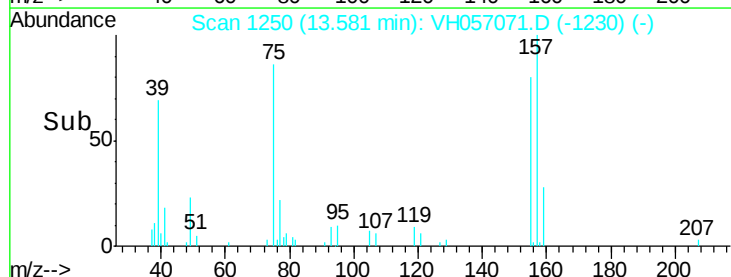
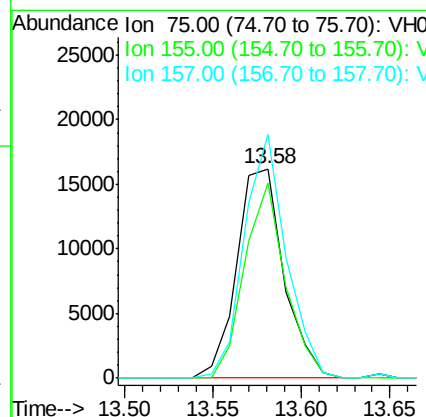
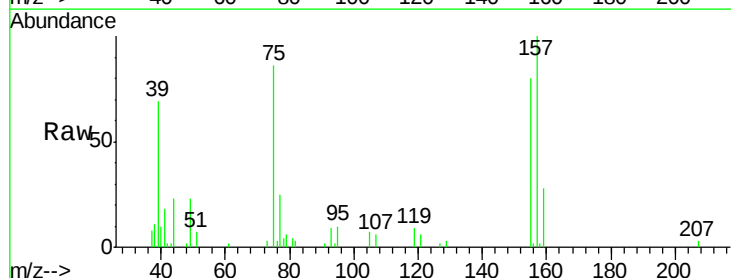
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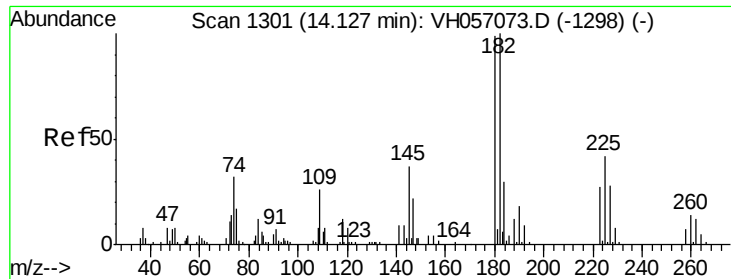
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.04 ug/l
 RT: 13.58 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30033		
155	92.9	43.4	130.2	
157	116.2	62.8	188.4	





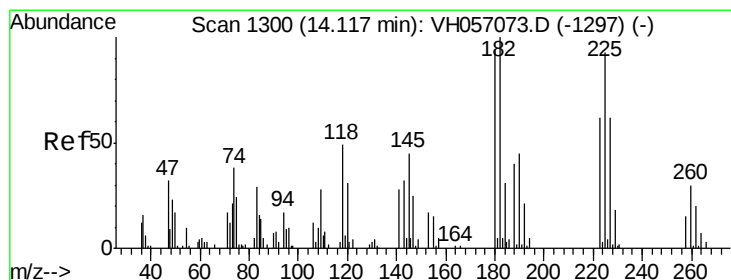
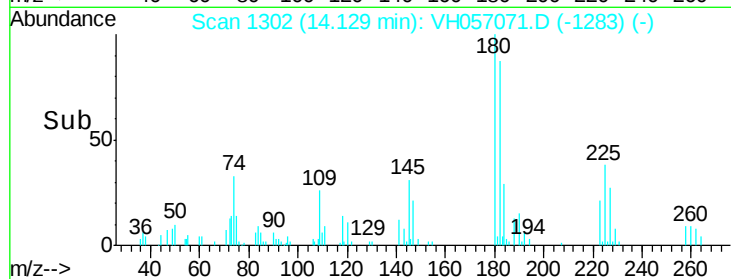
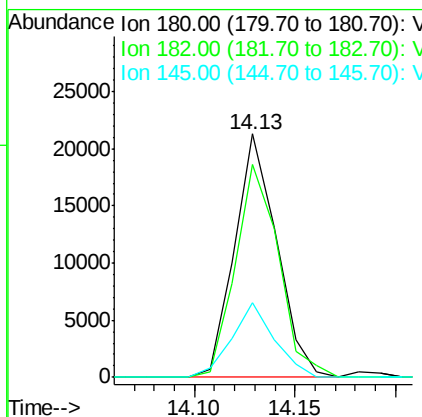
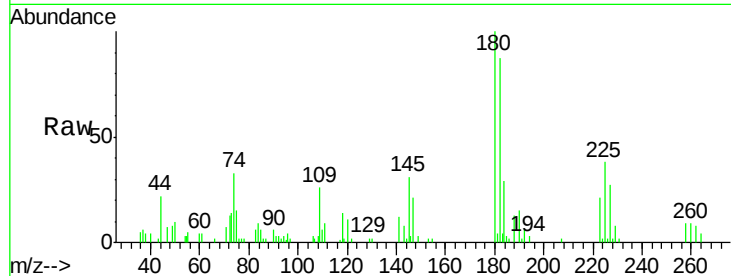
#93
 1,2,4-Trichlorobenzene
 Concen: 22.94 ug/l
 RT: 14.13 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	31128		
182	87.2	43.0	129.2	
145	30.7	17.3	52.0	

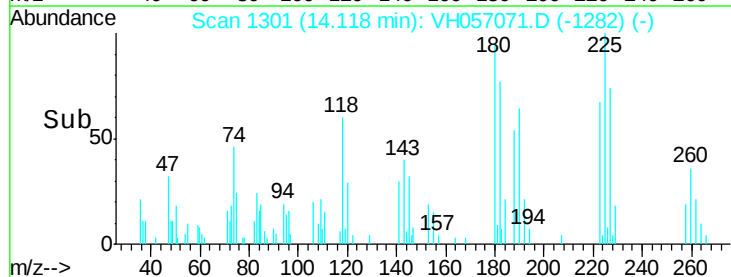
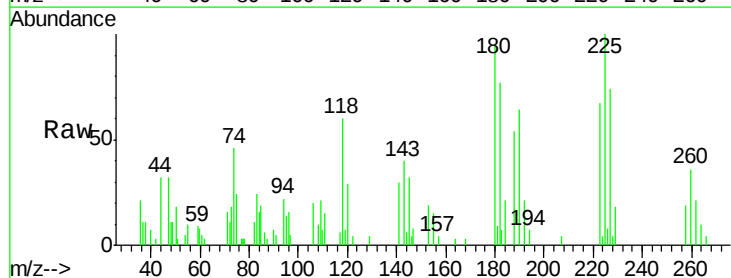
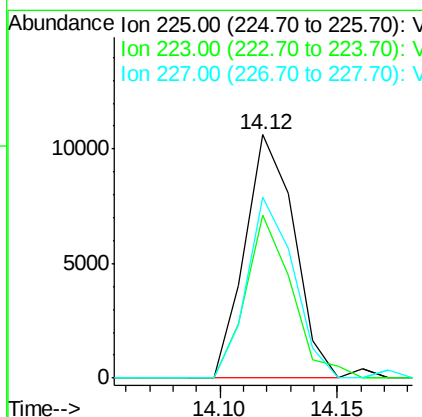
Manual Integrations
 APPROVED

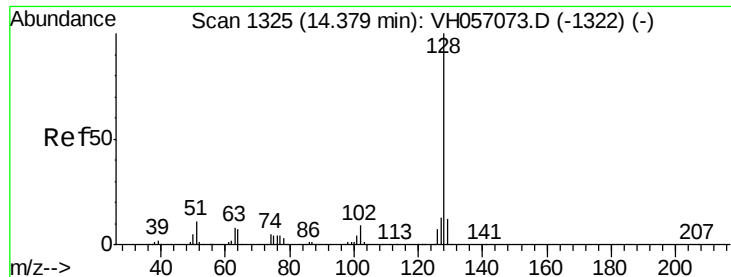
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#94
 Hexachlorobutadiene
 Concen: 22.62 ug/l
 RT: 14.12 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VH057071.D
 Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15473		
223	66.8	30.3	90.8	
227	74.0	30.5	91.5	





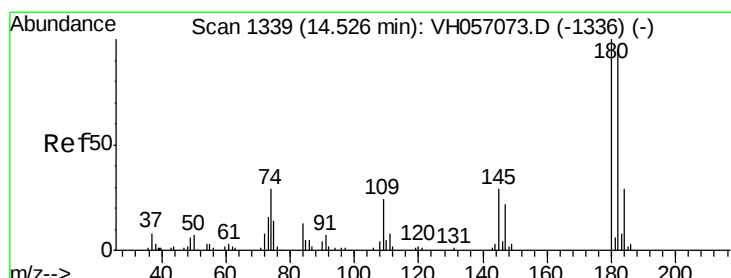
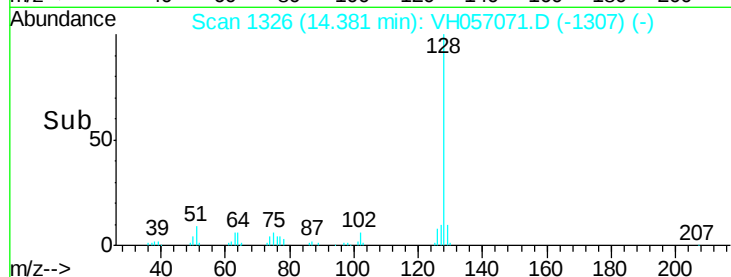
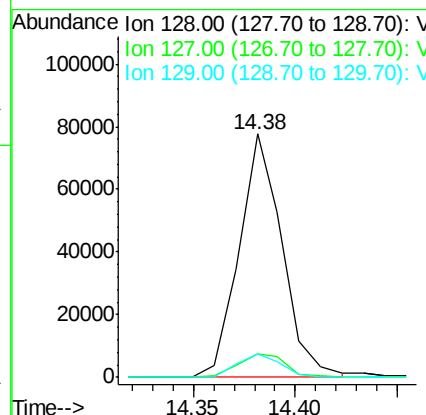
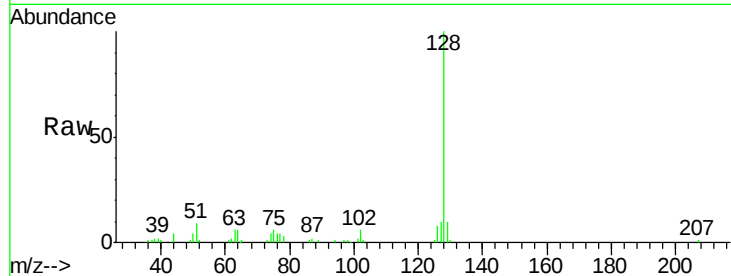
#95
Naphthalene
Concen: 19.98 ug/l
RT: 14.38 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	116643		
127	9.6	9.6	14.4	
129	9.7	8.7	13.1	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 19.71 ug/l
RT: 14.53 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VH057071.D
Acq: 17 Sep 2015 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16974		
182	109.8	47.1	141.3	
145	32.6	12.5	37.5	

