

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH092115\
 Data File : VH057095.D
 Acq On : 21 Sep 2015 17:06
 Operator : SY/FY
 Sample : VH0921MBS02
 Misc : 5.00/10mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:55:00 PM

Quant Time: Sep 22 06:46:49 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	1003387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.56	114	1726148	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.71	117	1296862	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	343425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	686115	38.29	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	76.58%
35) Dibromofluoromethane	4.08	113	649365	47.25	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	94.50%
48) Toluene-d8	7.51	98	1875099	47.45	ug/l	0.00
Spiked Amount	50.000	Range	78 - 121	Recovery	=	94.90%
62) 4-Bromofluorobenzene	11.35	95	603099	45.25	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	90.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	190451	15.47	ug/l	99
3) Chloromethane	1.02	50	251255	15.74	ug/l	99
4) Vinyl Chloride	1.08	62	202969	15.38	ug/l	98
5) Bromomethane	1.27	94	120485	17.32	ug/l	92
6) Chloroethane	1.35	64	103870	16.54	ug/l	100
7) Trichlorofluoromethane	1.40	101	162095m	13.13	ug/l	
8) Tert butyl alcohol	2.54	59	226676	70.46	ug/l	100
9) Diethyl Ether	1.60	74	108322	17.75	ug/l	71
10) Diisopropyl ether	2.77	45	710500	15.88	ug/l #	94
11) 1,1-Dichloroethene	1.75	96	175583	18.97	ug/l	88
12) Methyl Iodide	1.86	142	321814	19.73	ug/l	85
13) Acrolein	1.97	56	150684	78.32	ug/l	86
14) 1,1,2-Trichlorotrifluoroet	1.79	101	163606	18.14	ug/l	92
15) Acrylonitrile	2.90	53	481554	82.08	ug/l	97
16) Allyl Chloride	2.07	41	315847	16.55	ug/l	96
17) Acetone	2.20	43	523480	48.22	ug/l	96
18) Carbon Disulfide	1.77	76	483443	17.71	ug/l	96
19) Methyl Acetate	2.32	43	718414	15.41	ug/l	90
20) Methyl tert-butyl Ether	2.40	73	647750	17.48	ug/l	95
21) Methylene Chloride	2.15	84	193532m	19.11	ug/l	
22) trans-1,2-Dichloroethene	2.28	96	193403	19.01	ug/l	91
23) Vinyl Acetate	3.15	43	1700512	80.32	ug/l	97
24) 1,1-Dichloroethane	2.83	63	364238	16.53	ug/l	96
25) 2-Butanone	4.29	43	1254905	75.39	ug/l	97
26) 2,2-Dichloropropane	3.56	77	235523	17.03	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	266315	18.74	ug/l	88
28) Bromochloromethane	3.69	128	103295	21.76	ug/l	70
29) Chloroform	3.83	83	429882	16.51	ug/l	98
30) Cyclohexane	3.67	56	288898	16.37	ug/l	86
31) Tetrahydrofuran	4.04	42	710947	76.10	ug/l #	87
32) 1,1,1-Trichloroethane	4.06	97	318247	16.98	ug/l	97
36) 1,1-Dichloropropene	4.25	75	338755	17.86	ug/l	97
37) Ethyl acetate	4.08	43	594659	16.70	ug/l #	54
38) Carbon Tetrachloride	3.95	117	250747	16.98	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.59	78	847009	18.76	ug/l	99
40) Methacrylonitrile	4.70	41	255710	16.23	ug/l	92
41) 1,2-Dichloroethane	4.90	62	322448	16.18	ug/l #	93
42) Isopropyl Acetate	5.45	43	764287	16.44	ug/l #	89
43) Trichloroethene	5.47	130	232277	20.24	ug/l	95
44) Methylcyclohexane	5.43	83	206037	18.85	ug/l	91
45) 1,2-Dichloropropane	6.20	63	254981	17.81	ug/l	98
46) Dibromomethane	6.05	93	167704	18.01	ug/l #	84
47) Bromodichloromethane	6.34	83	336841	17.66	ug/l	97
49) 4-Methyl-2-Pentanone	8.20	43	2366197	84.02	ug/l	100
50) Toluene	7.57	92	538331	18.62	ug/l	97
51) t-1,3-Dichloropropene	8.22	75	389502	17.81	ug/l	93
52) Methyl Methacrylate	6.68	69	251159	17.72	ug/l	92
53) 1,4-Dioxane	6.67	88	42649m	256.62	ug/l	
54) cis-1,3-Dichloropropene	7.25	75	409568	17.64	ug/l	93
55) 1,1,2-Trichloroethane	8.44	97	224145	18.26	ug/l	92
56) Ethyl Methacrylate	8.57	69	433154	17.87	ug/l	89
57) 1,3-Dichloropropane	8.79	76	445643	17.85	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.25	63	1089773	90.91	ug/l	94
59) 2-Hexanone	9.43	43	1695848	77.07	ug/l	99
60) Dibromochloromethane	8.66	129	240041	17.25	ug/l	99
61) 1,2-Dibromoethane	8.92	107	248402	17.58	ug/l	97
64) Tetrachloroethene	8.11	164	156601	21.31	ug/l	94
65) Chlorobenzene	9.73	112	558608	19.80	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.87	131	182209	18.71	ug/l	94
67) Ethyl Benzene	9.84	106	258844	19.16	ug/l	96
68) m/p-Xylenes	10.07	106	633902	38.58	ug/l	94
69) o-Xylene	10.66	106	314267	19.92	ug/l	97
70) Styrene	10.73	104	535685	19.44	ug/l	96
71) Bromoform	10.71	173	144382	17.33	ug/l	98
73) Isopropylbenzene	11.07	105	615191	19.62	ug/l	97
74) n-Amyl Acetate	11.32	43	607756	18.24	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.64	83	334361	20.33	ug/l #	99
76) 1,2,3-Trichloropropane	11.73	75	241635	18.73	ug/l	93
77) Bromobenzene	11.43	156	191416	21.44	ug/l	91
78) n-propylbenzene	11.53	91	665941	19.86	ug/l	99
79) 2-Chlorotoluene	11.66	91	374844	18.53	ug/l	100
80) 1,3,5-Trimethylbenzene	11.76	105	410067	20.01	ug/l	98
81) trans-1,4-Dichloro-2-Buten	11.81	75	181421	19.29	ug/l	90
82) 4-Chlorotoluene	11.84	91	483100	19.77	ug/l	96
83) tert-Butylbenzene	12.07	119	391408	20.23	ug/l	94
84) 1,2,4-Trimethylbenzene	12.14	105	411056	19.43	ug/l	100
85) sec-Butylbenzene	12.24	105	405780	19.61	ug/l	100
86) p-Isopropyltoluene	12.40	119	314790	20.04	ug/l	93
87) 1,3-Dichlorobenzene	12.41	146	217871	20.45	ug/l	99
88) 1,4-Dichlorobenzene	12.50	146	221420	20.07	ug/l	97
89) n-Butylbenzene	12.77	91	243079	19.36	ug/l	98
90) Hexachloroethane	12.85	117	67768	20.38	ug/l	94
91) 1,2-Dichlorobenzene	12.87	146	192904	20.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.57	75	32721	17.75	ug/l	89

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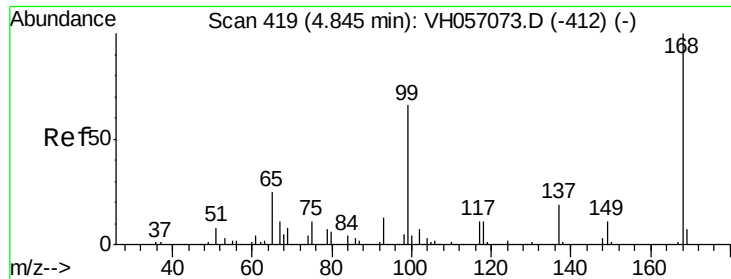
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	50400	25.42	ug/l	92
94) Hexachlorobutadiene	14.11	225	25209	25.39	ug/l	94
95) Naphthalene	14.37	128	239440	29.63	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	40204	29.98	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.84 min Scan# 419

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:168 Resp: 1003387

Ion Ratio Lower Upper

168 100

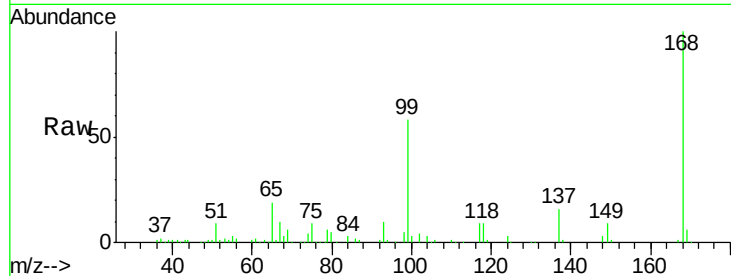
99 58.5 55.8 83.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0

4.84

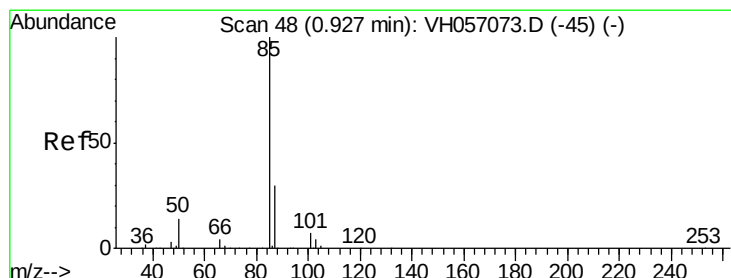
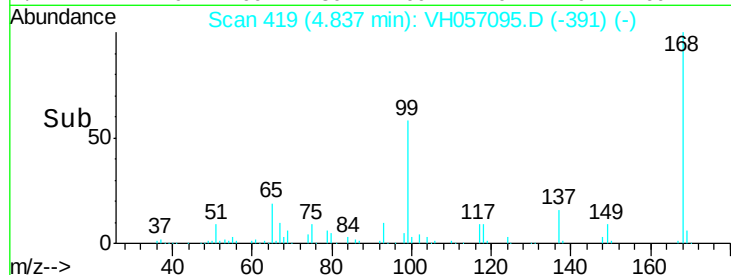
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.47 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057095.D

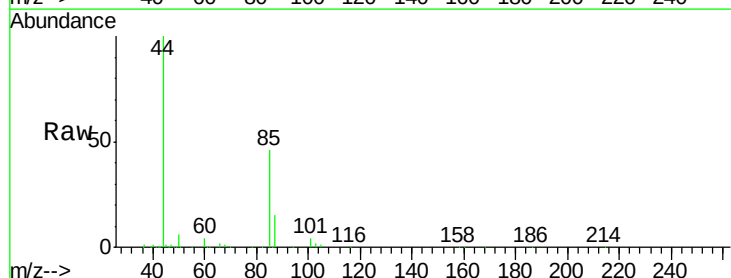
Acq: 21 Sep 2015 17:06

Tgt Ion: 85 Resp: 190451

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0

0.93

60000

50000

40000

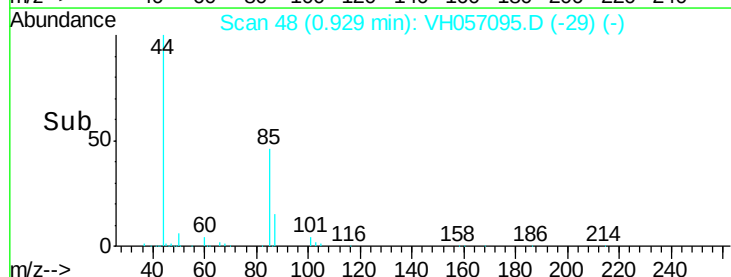
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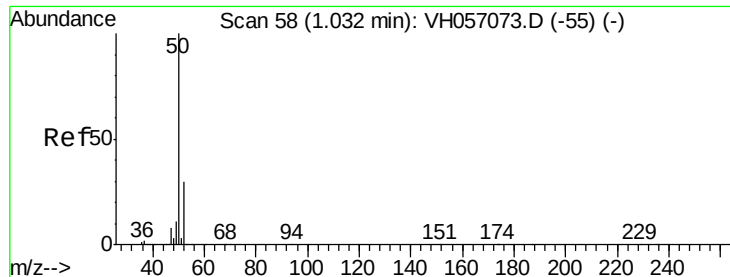
20000

10000

0

Time-->





#3

Chloromethane

Concen: 15.74 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 50 Resp: 251255

Ion Ratio Lower Upper

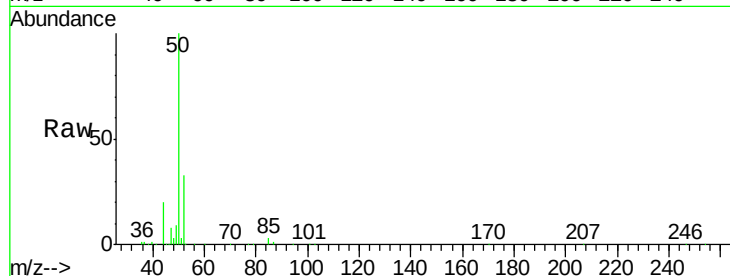
50 100

52 32.9 25.8 38.8

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Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0

1.02

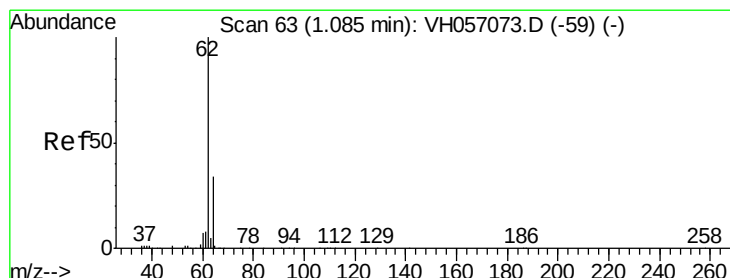
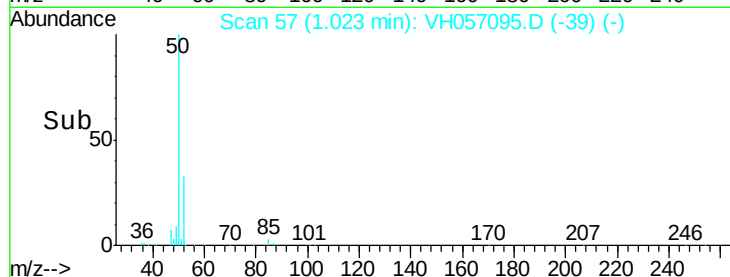
150000

100000

50000

0

Time--> 0.90 1.00 1.10 1.20



#4

Vinyl Chloride

Concen: 15.38 ug/l

RT: 1.08 min Scan# 62

Delta R.T. -0.01 min

Lab File: VH057095.D

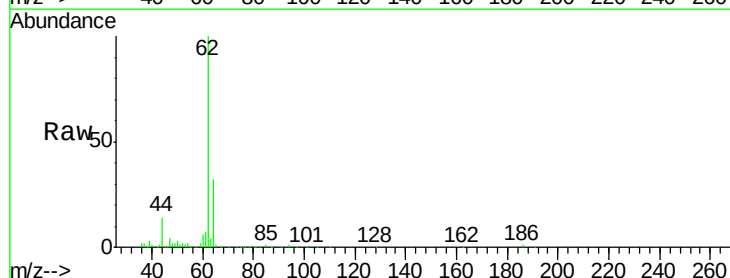
Acq: 21 Sep 2015 17:06

Tgt Ion: 62 Resp: 202969

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 64.00 (63.70 to 64.70): VH0

1.08

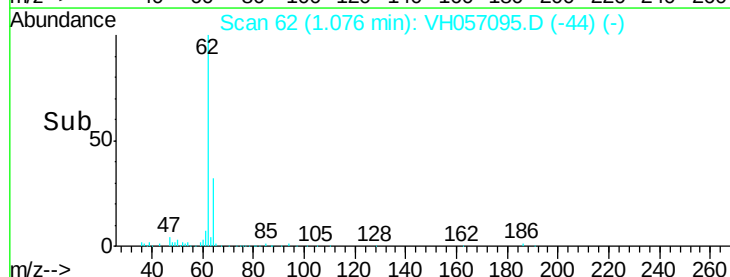
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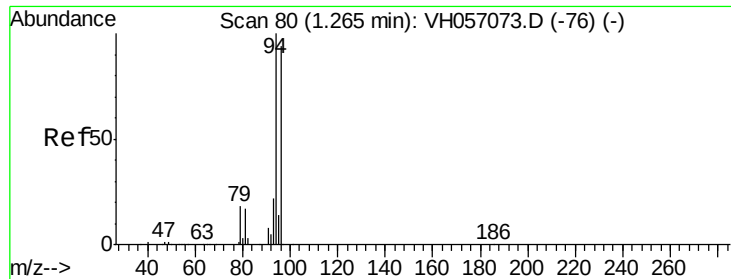
100000

50000

0

Time--> 1.00 1.10 1.20





#5

Bromomethane

Concen: 17.32 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 94 Resp: 120485

Ion Ratio Lower Upper

94 100

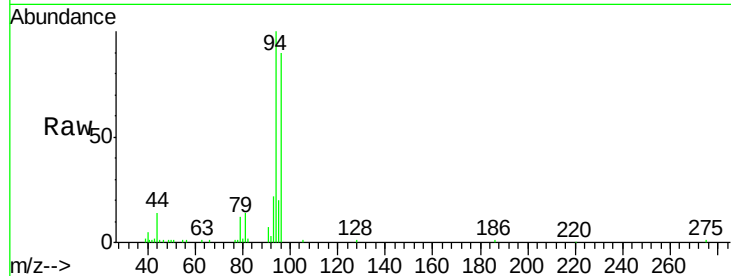
96 89.7 78.5 117.7

Manual Integrations

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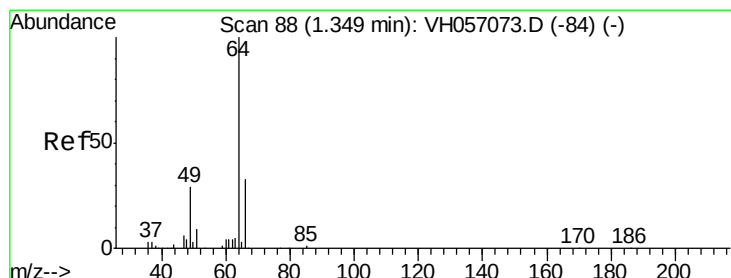
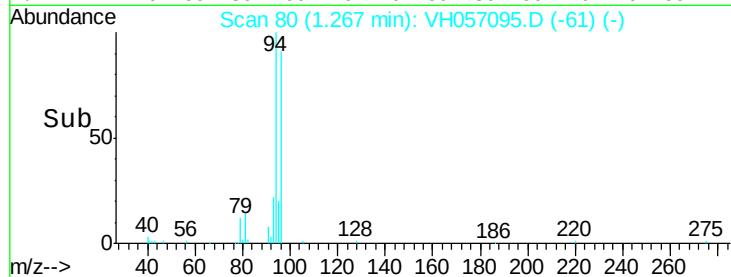
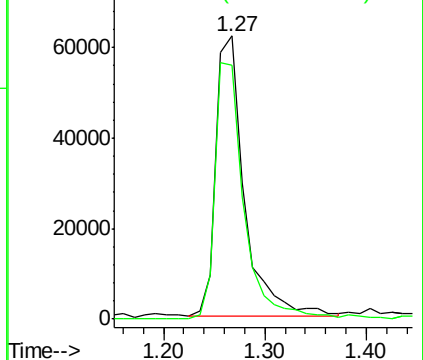
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Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 16.54 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057095.D

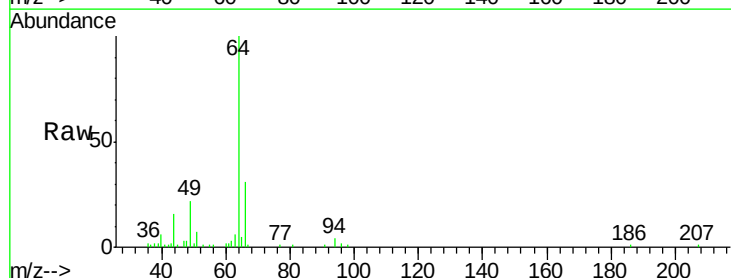
Acq: 21 Sep 2015 17:06

Tgt Ion: 64 Resp: 103870

Ion Ratio Lower Upper

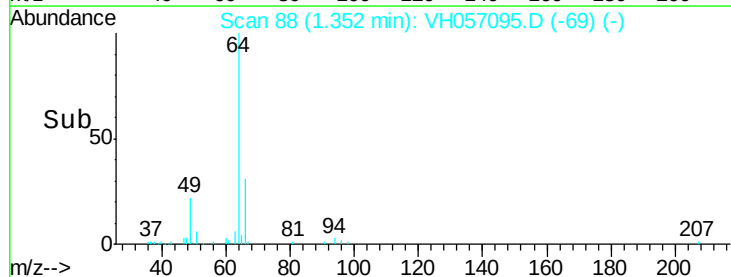
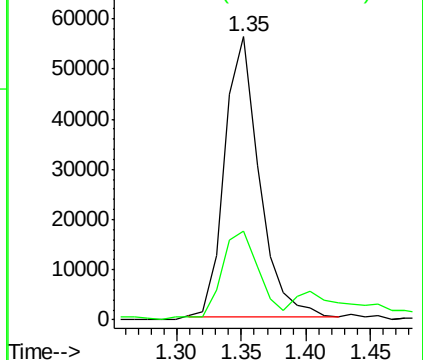
64 100

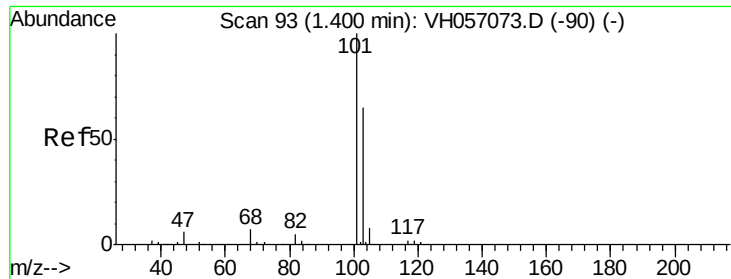
66 31.3 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

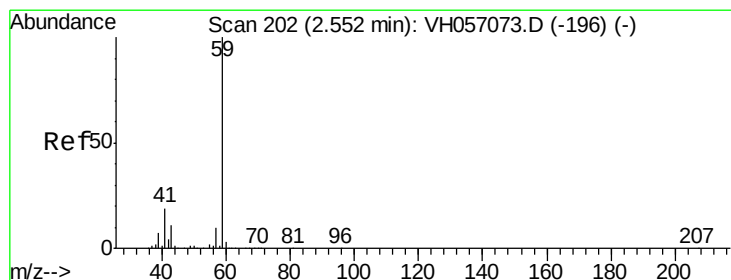
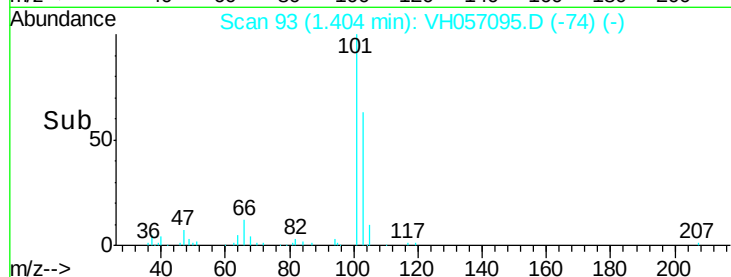
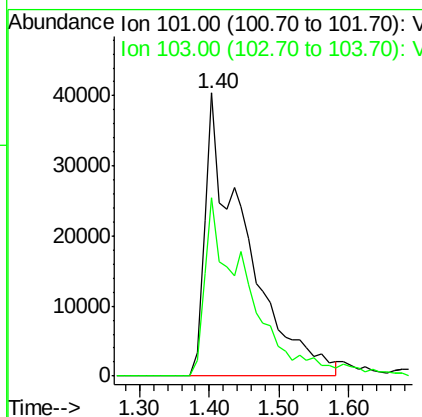
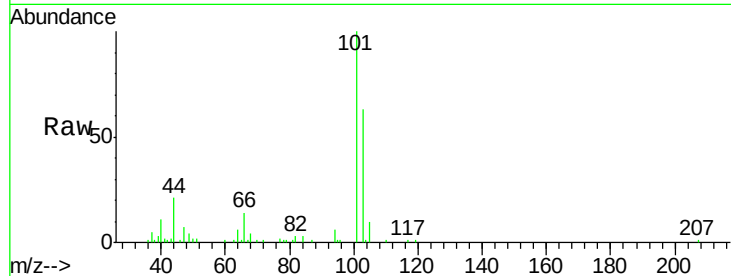
Trichlorofluoromethane
Concen: 13.13 ug/l m
RT: 1.40 min Scan# 93
Delta R.T. 0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	162095		
103	63.1	54.9	82.3	

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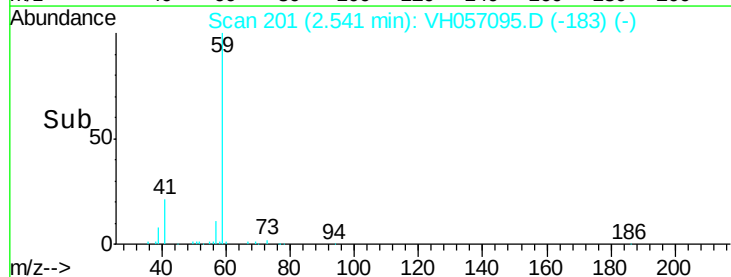
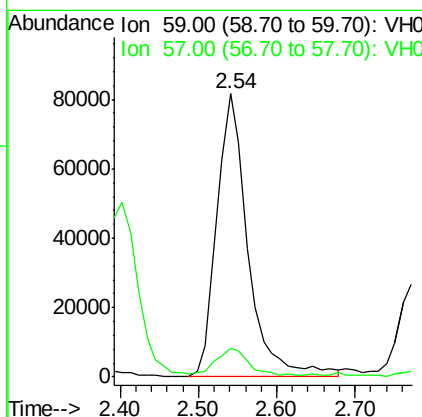
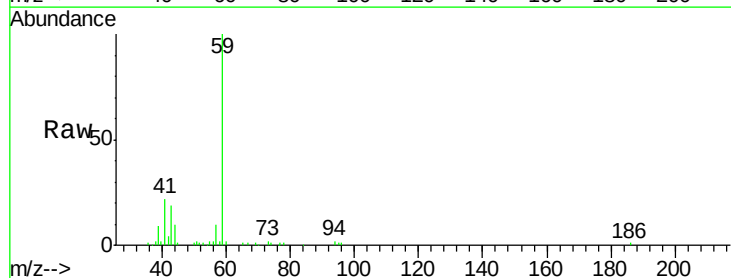
MMDadoda
9/22/2015 2:55:00 PM

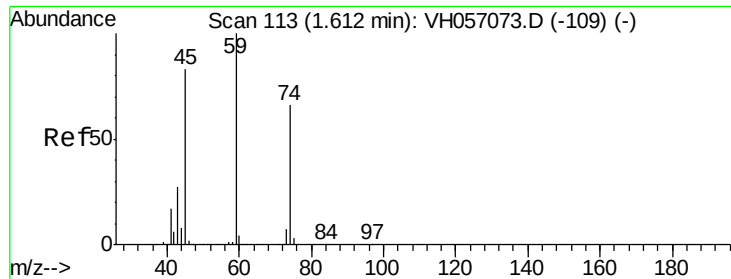


#8

Tert butyl alcohol
Concen: 70.46 ug/l
RT: 2.54 min Scan# 201
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	226676		
57	10.2	9.0	11.0	





#9

Diethyl Ether

Concen: 17.75 ug/l

RT: 1.60 min Scan# 112

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 74 Resp: 108322

Ion Ratio Lower Upper

74 100

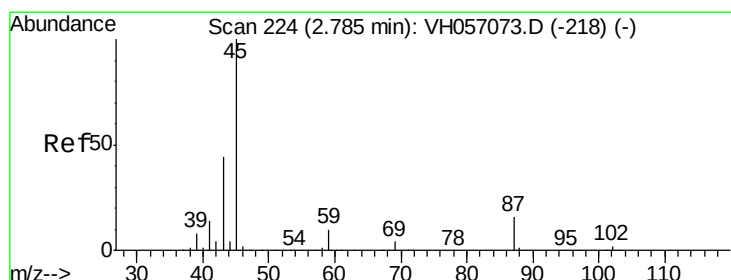
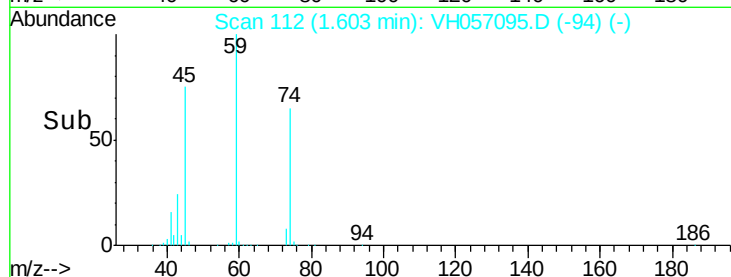
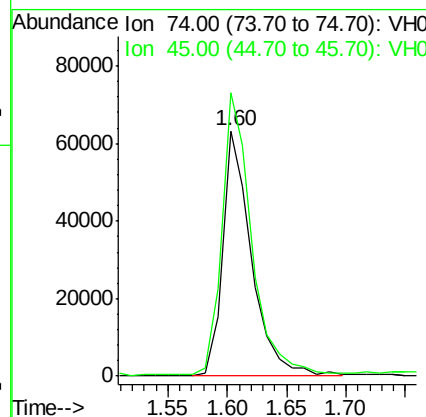
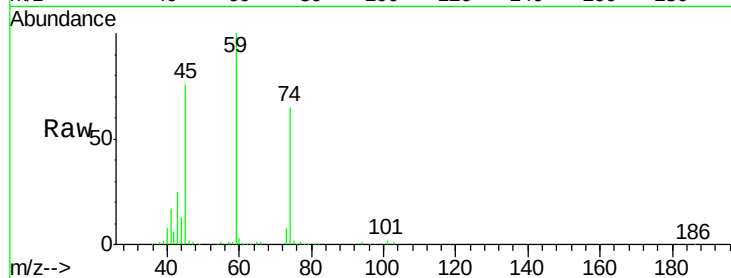
45 115.5 0.0 304.4

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#10

Diisopropyl ether

Concen: 15.88 ug/l

RT: 2.77 min Scan# 223

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion: 45 Resp: 710500

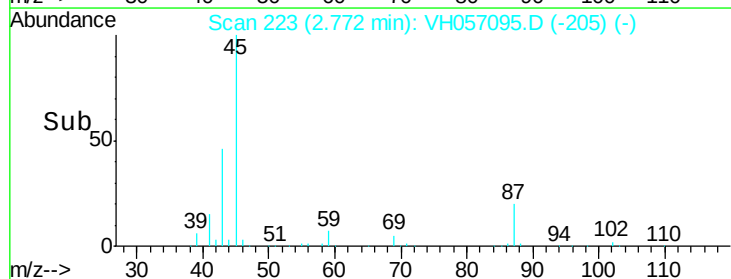
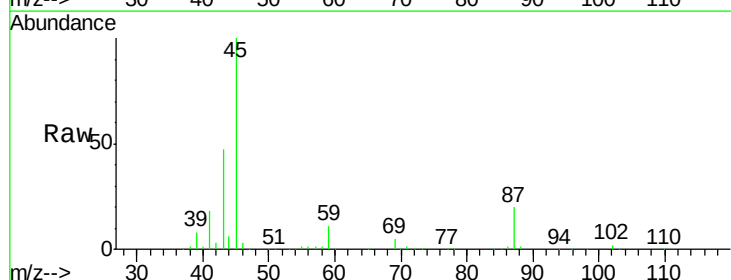
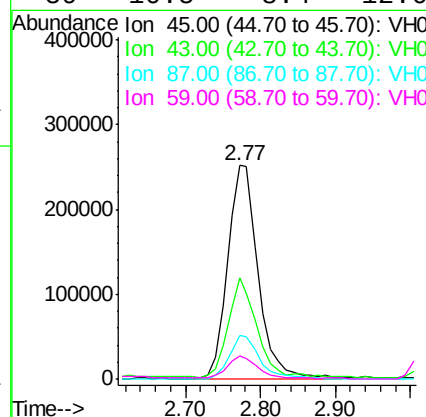
Ion Ratio Lower Upper

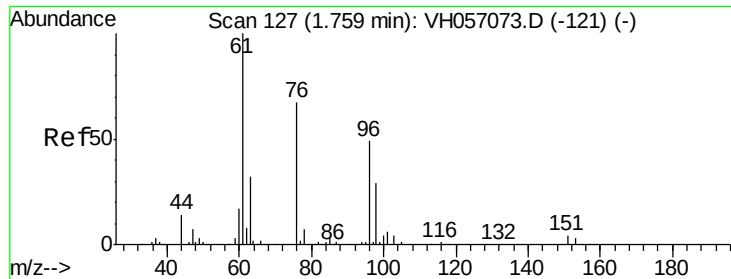
45 100

43 47.2 34.6 52.0

87 20.4 12.6 19.0#

59 10.5 8.4 12.6





#11

1,1-Dichloroethene

Concen: 18.97 ug/l

RT: 1.75 min Scan# 126

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 96 Resp: 175583

Ion Ratio Lower Upper

96 100

61 180.2 158.4 237.6

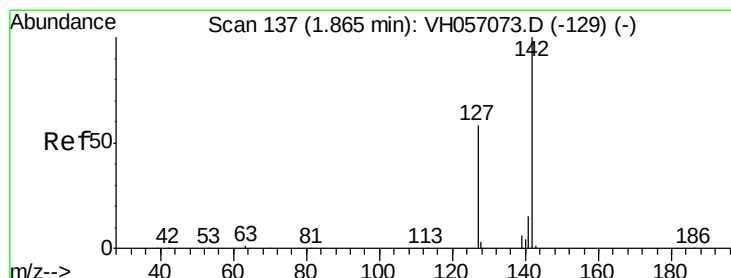
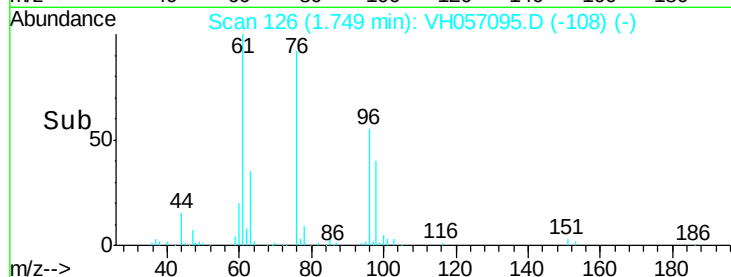
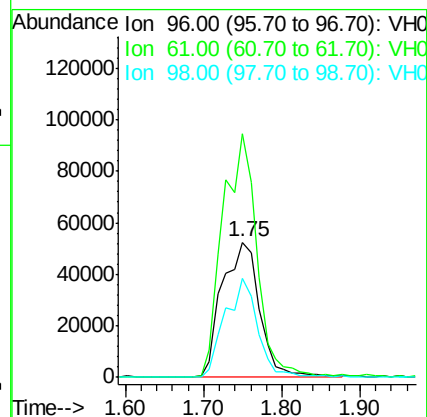
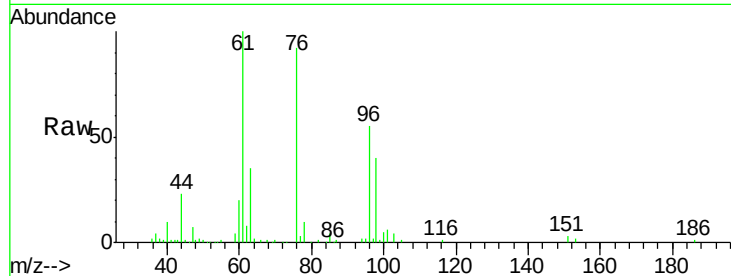
98 73.0 50.6 75.8

Manual Integrations

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#12

Methyl Iodide

Concen: 19.73 ug/l

RT: 1.86 min Scan# 136

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

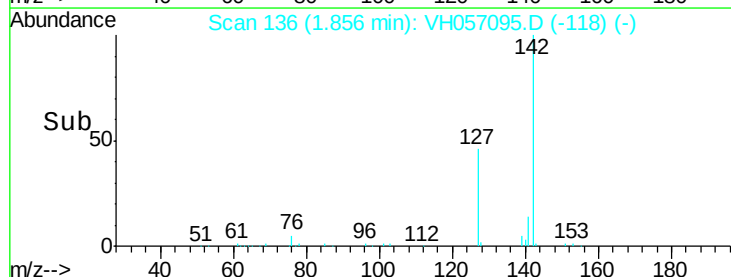
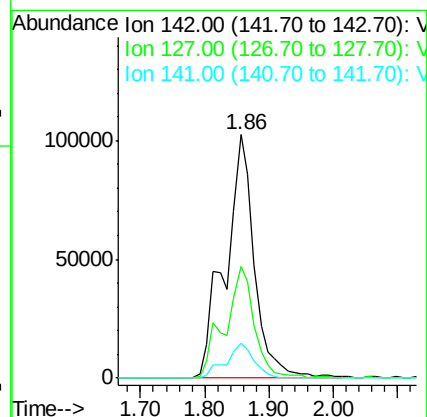
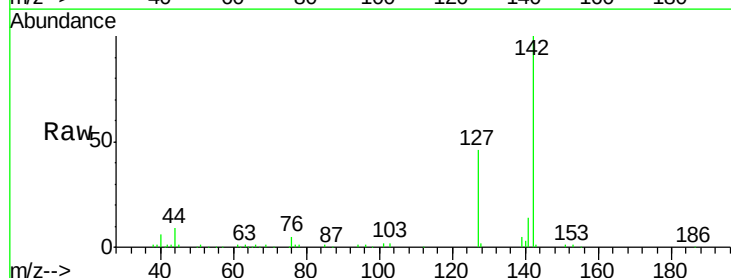
Tgt Ion: 142 Resp: 321814

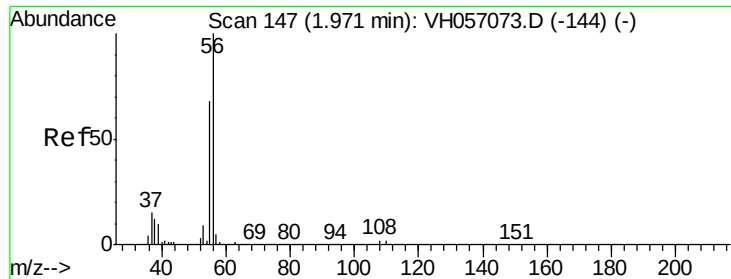
Ion Ratio Lower Upper

142 100

127 46.0 30.0 90.1

141 14.5 7.1 21.4





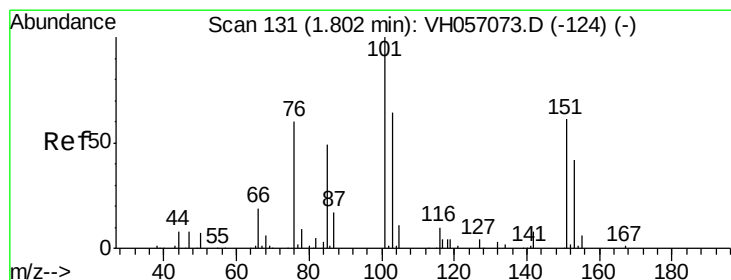
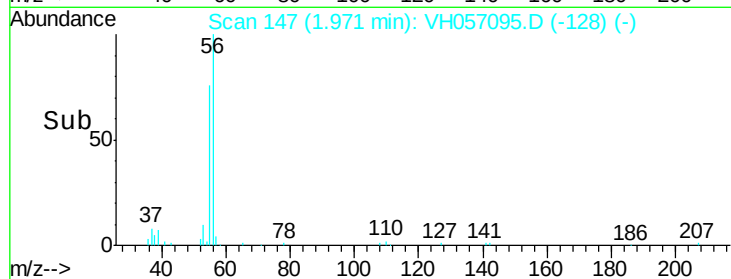
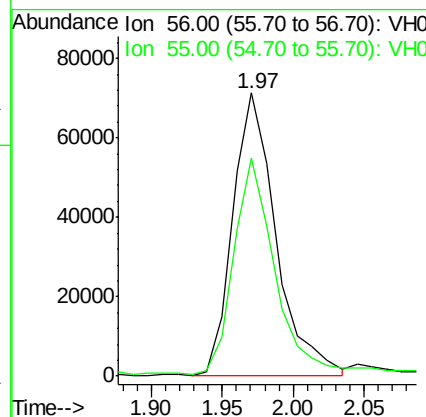
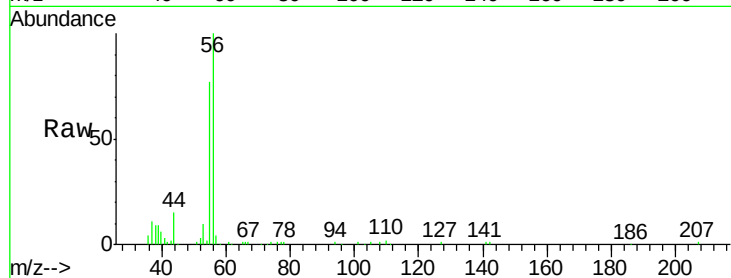
#13
Acrolein
Concen: 78.32 ug/l
RT: 1.97 min Scan# 147
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.3	52.9	79.3

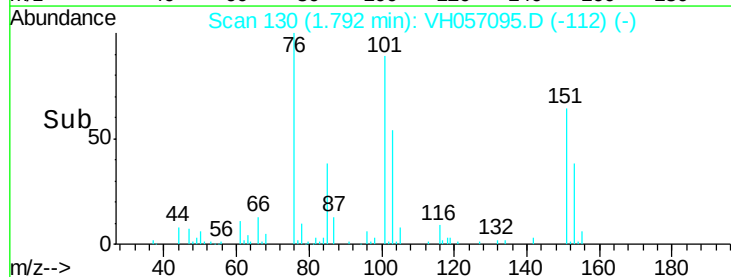
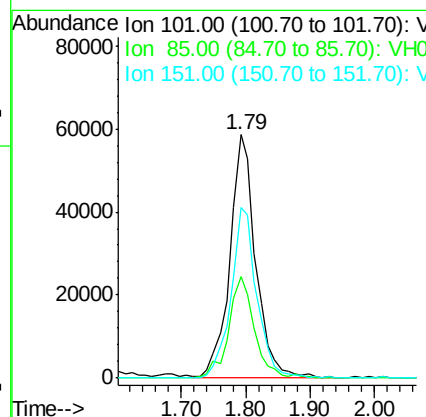
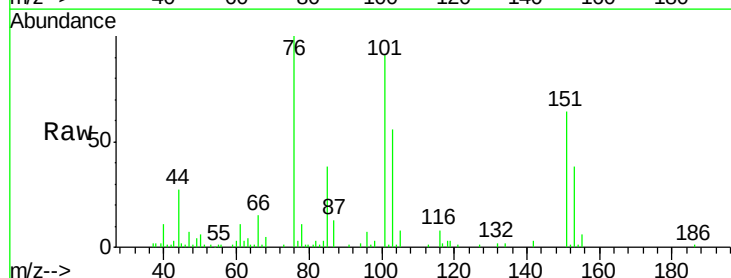
Manual Integrations
APPROVED

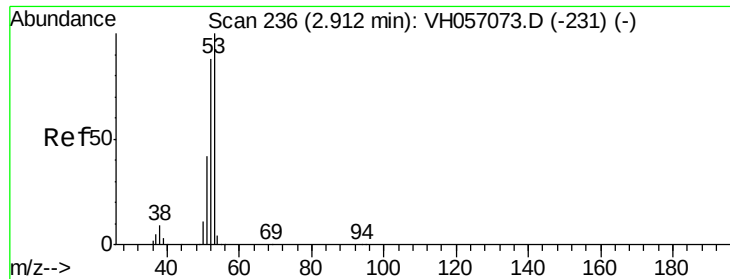
MMDadoda
9/22/2015 2:55:00 PM



#14
1,1,2-Trichlorotrifluoroethane
Concen: 18.14 ug/l
RT: 1.79 min Scan# 130
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.9	37.9	56.9
151	70.1	50.6	76.0





#15

Acrylonitrile

Concen: 82.08 ug/l

RT: 2.90 min Scan# 235

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

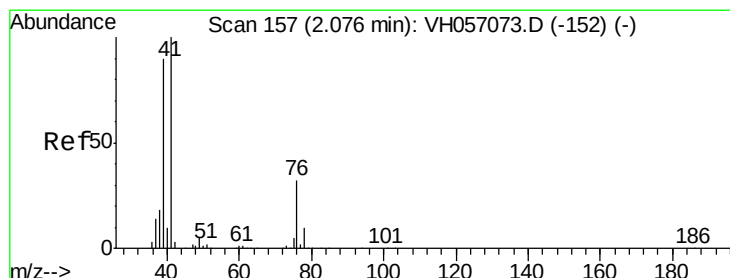
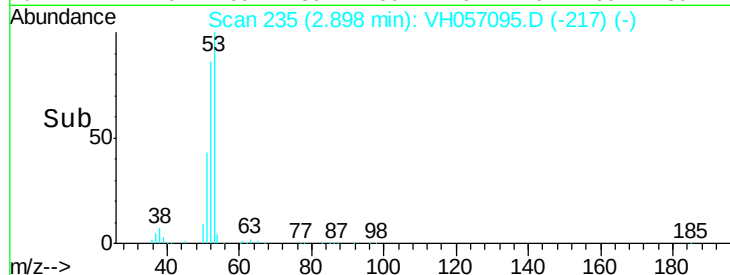
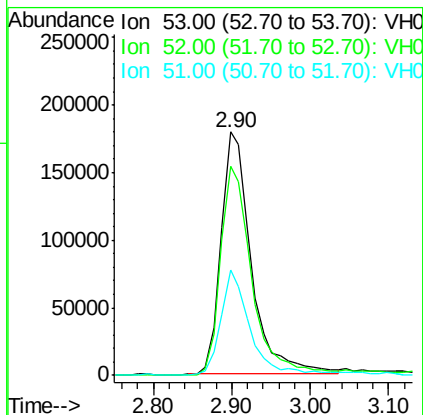
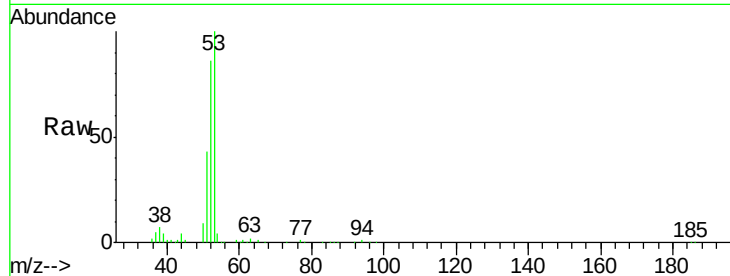
ClientSampleId :

VH0921MBS02

Tot Ion:	53	Resp:	481554
Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.6	101.4
51	43.3	31.8	47.6

Manual Integrations
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9/22/2015 2:55:00 PM



#16

Allyl Chloride

Concen: 16.55 ug/l

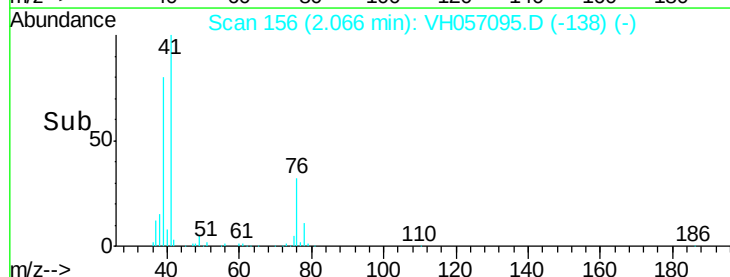
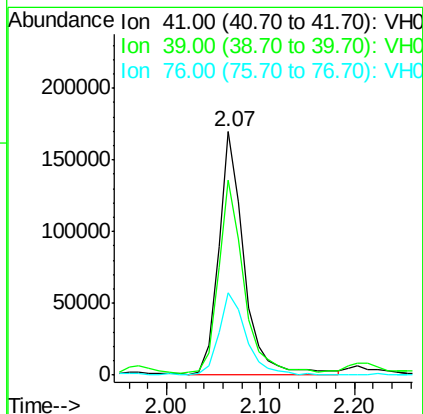
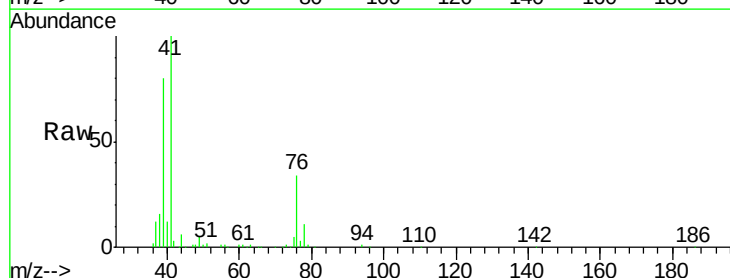
RT: 2.07 min Scan# 156

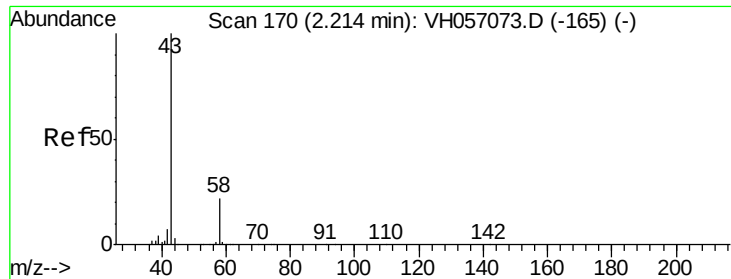
Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion:	41	Resp:	315847
Ion	Ratio	Lower	Upper
41	100		
39	80.3	41.0	123.2
76	34.1	14.3	42.9





#17

Acetone

Concen: 48.22 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 43 Resp: 523480

Ion Ratio Lower Upper

43 100

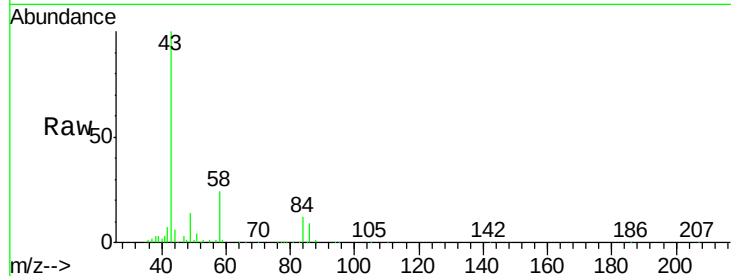
58 24.0 17.7 26.5

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

400000

300000

200000

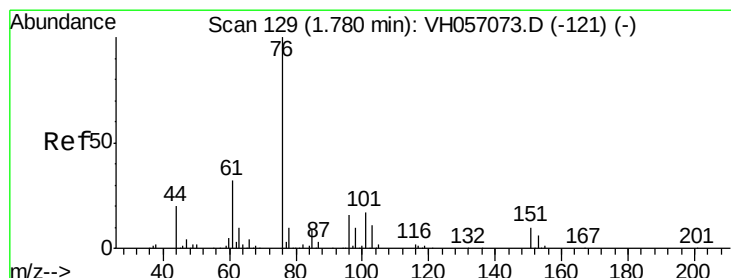
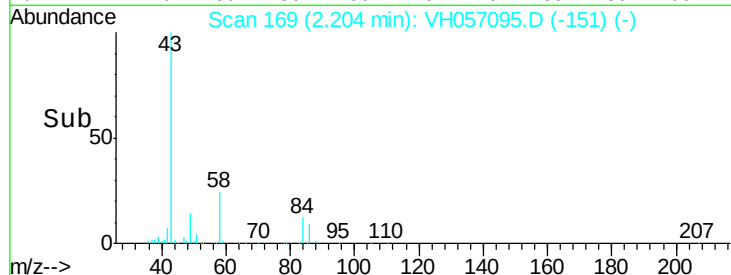
100000

0

Time-->

2.15 2.20 2.25 2.30

2.20



#18

Carbon Disulfide

Concen: 17.71 ug/l

RT: 1.77 min Scan# 128

Delta R.T. -0.01 min

Lab File: VH057095.D

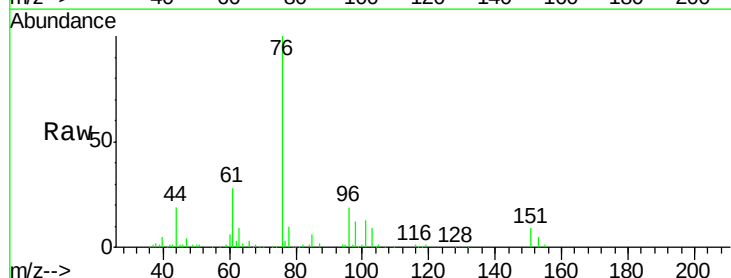
Acq: 21 Sep 2015 17:06

Tgt Ion: 76 Resp: 483443

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0

150000

100000

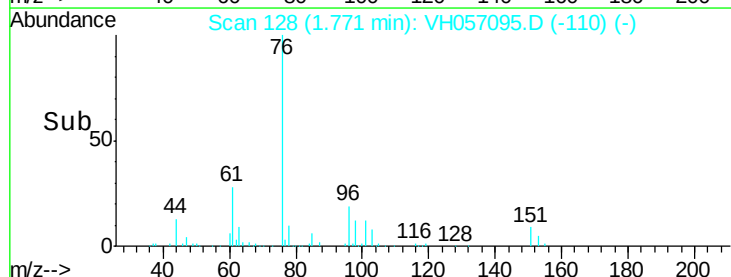
50000

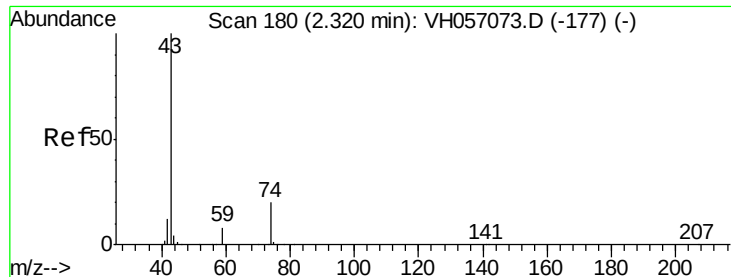
0

Time-->

1.60 1.70 1.80 1.90 2.00

1.77





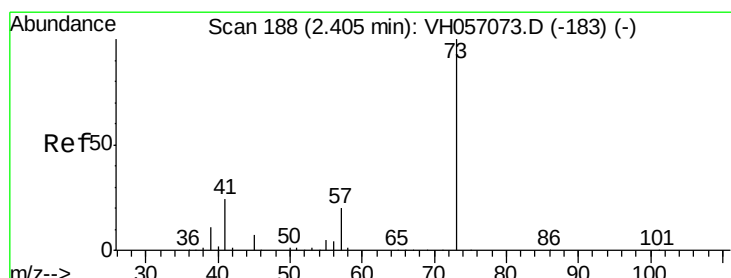
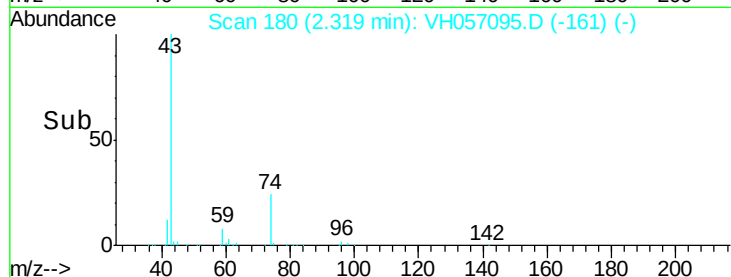
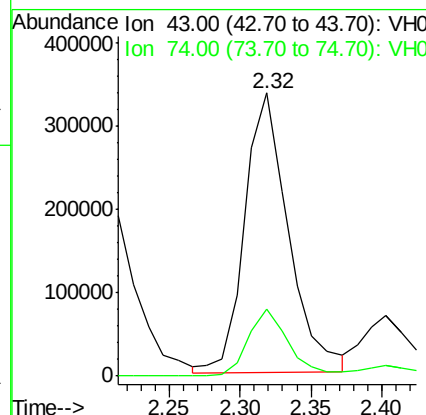
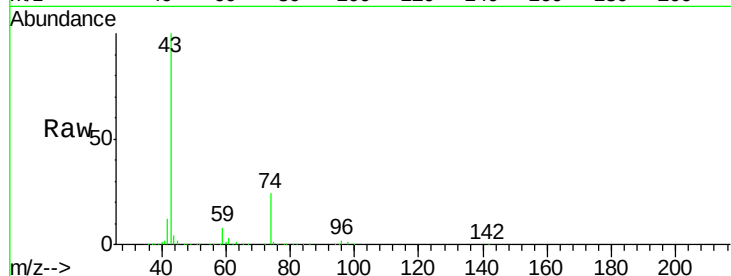
#19
Methvl Acetate
Concen: 15.41 ug/l
RT: 2.32 min Scan# 180
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
74	23.6	13.3	24.7

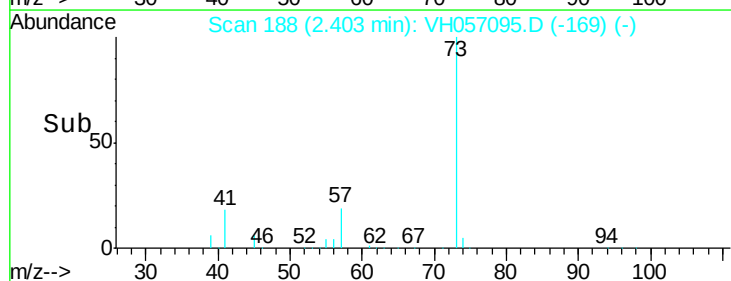
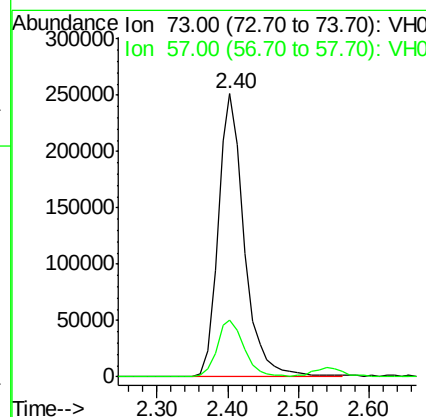
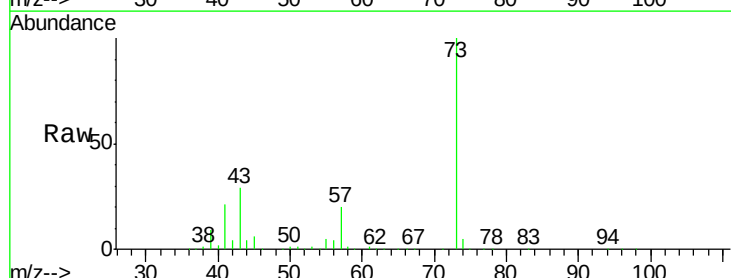
Manual Integrations
APPROVED

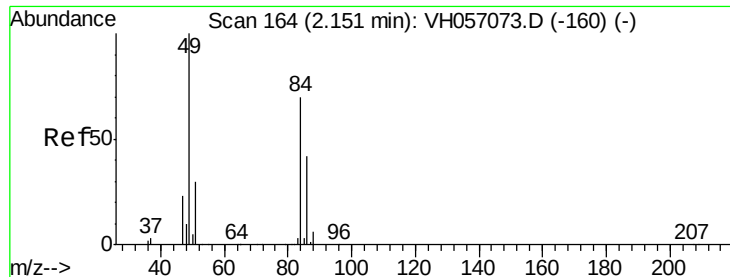
MMDadoda
9/22/2015 2:55:00 PM



#20
Methyl tert-butyl Ether
Concen: 17.48 ug/l
RT: 2.40 min Scan# 188
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
73	100		
57	20.0	18.0	27.0





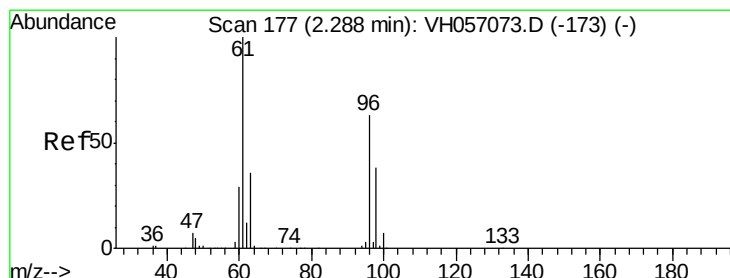
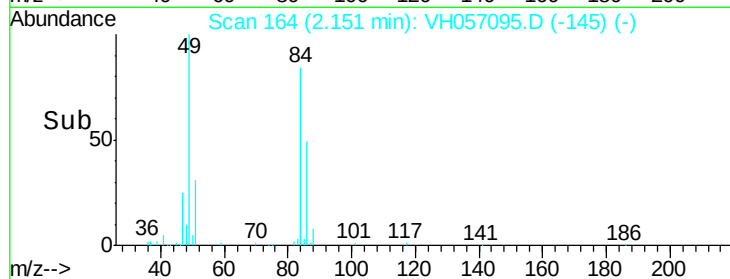
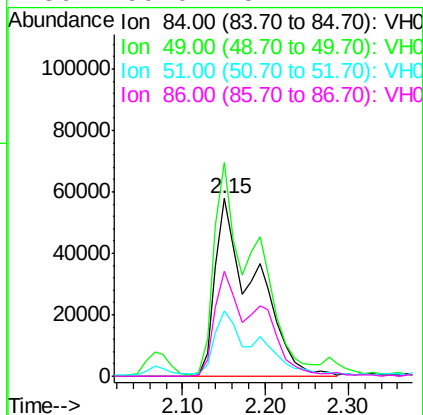
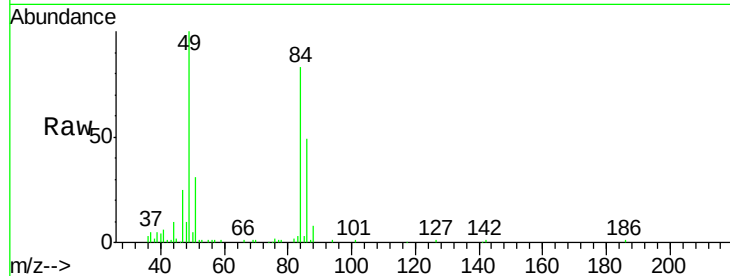
#21
Methvlene Chloride
Concen: 19.11 ug/l m
RT: 2.15 min Scan# 164
Delta R.T. 0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Lower	Upper
84	100		
49	120.3	132.8	199.2#
51	36.9	39.5	59.3#
86	59.0	51.4	77.2

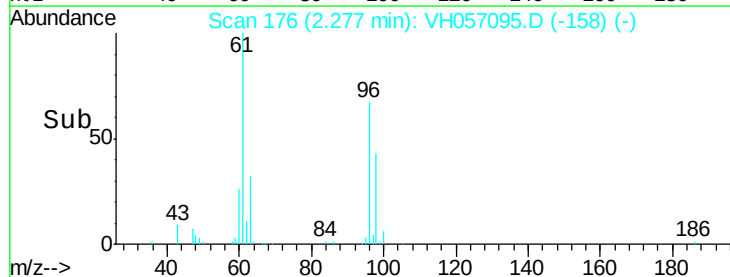
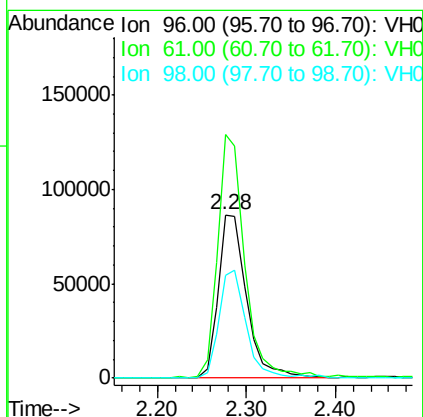
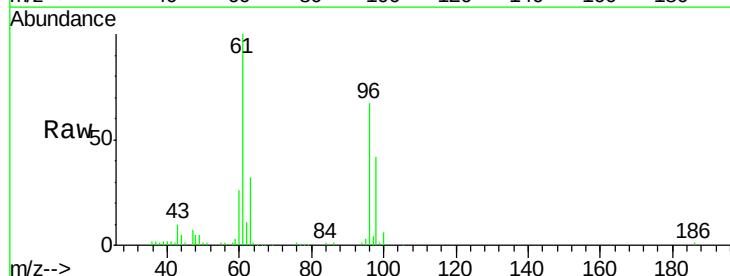
Manual Integrations
APPROVED

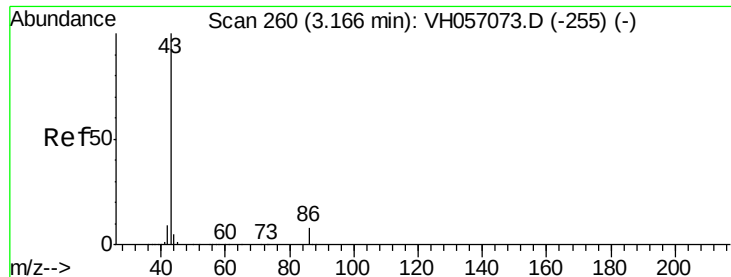
MMDadoda
9/22/2015 2:55:00 PM



#22
trans-1,2-Dichloroethene
Concen: 19.01 ug/l
RT: 2.28 min Scan# 176
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	131.7	197.5
98	63.4	49.5	74.3





#23

Vinyl Acetate

Concen: 80.32 ug/l

RT: 3.15 min Scan# 259

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 43 Resp: 1700512

Ion Ratio Lower Upper

43 100

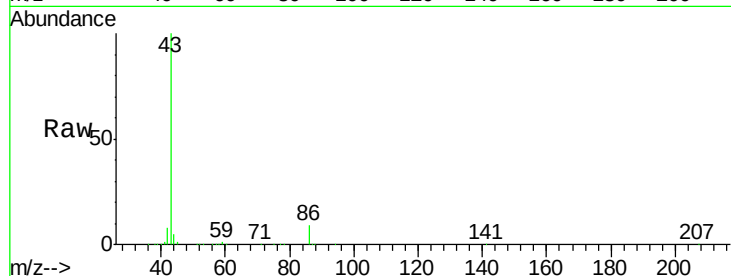
86 8.9 6.2 9.2

Manual Integrations

APPROVED

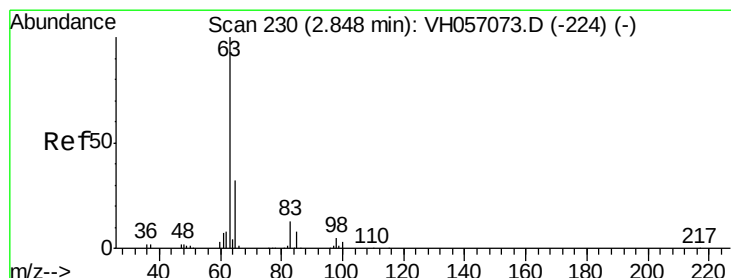
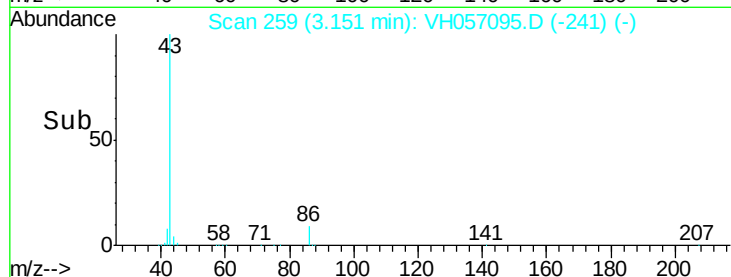
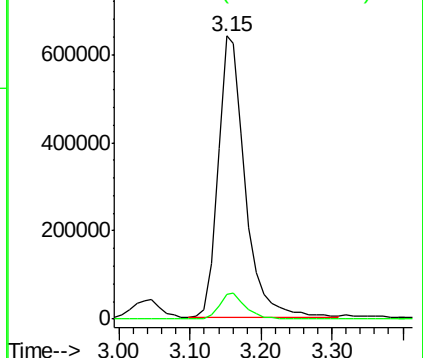
MMDadoda

9/22/2015 2:55:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 86.00 (85.70 to 86.70): VH0



#24

1,1-Dichloroethane

Concen: 16.53 ug/l

RT: 2.83 min Scan# 229

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

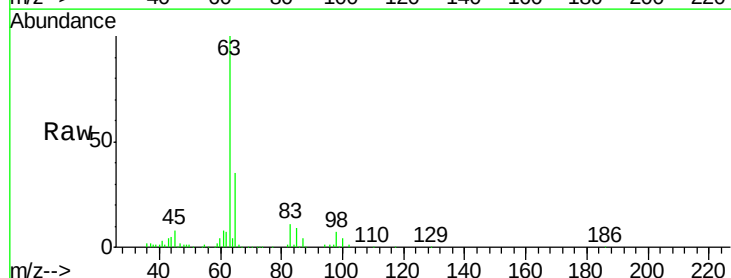
Tgt Ion: 63 Resp: 364238

Ion Ratio Lower Upper

63 100

98 6.8 2.6 7.8

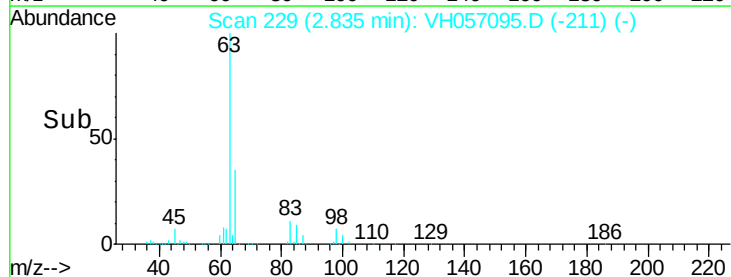
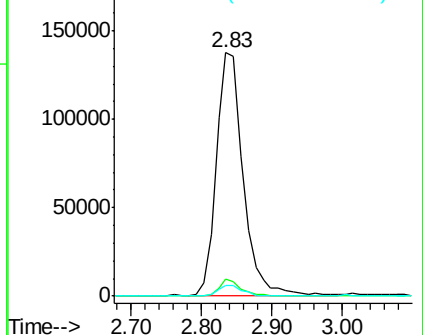
100 4.1 1.7 5.0

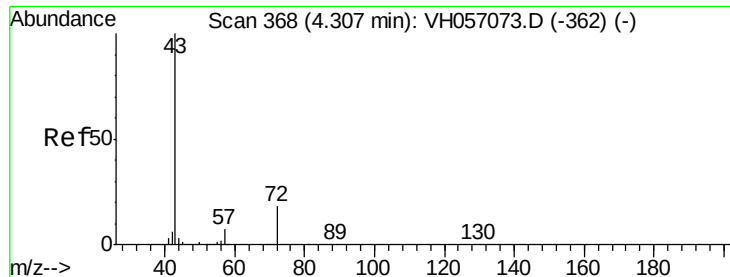


Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH0





#25

2-Butanone

Concen: 75.39 ug/l

RT: 4.29 min Scan# 367

Delta R.T. -0.02 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 43 Resp: 1254905

Ion Ratio Lower Upper

43 100

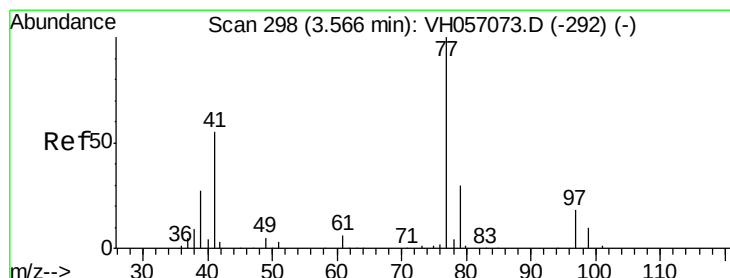
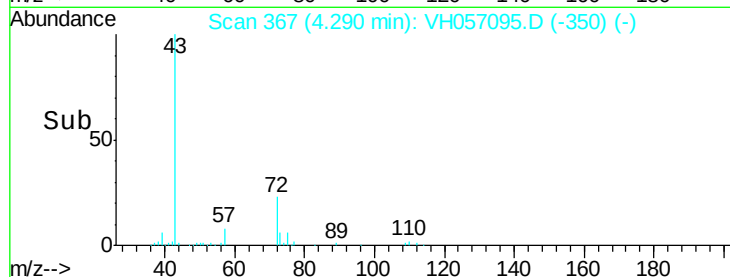
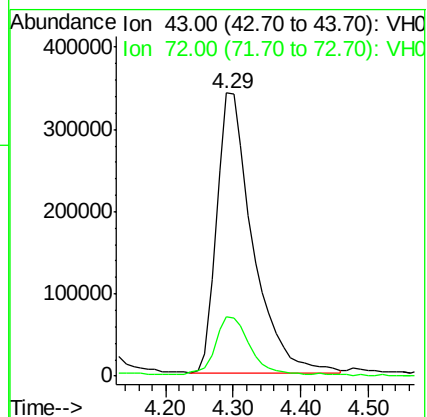
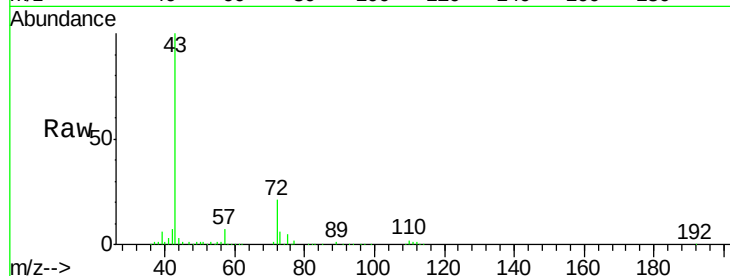
72 21.2 0.0 39.2

Manual Integrations

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MMDadoda

9/22/2015 2:55:00 PM



#26

2,2-Dichloropropane

Concen: 17.03 ug/l

RT: 3.56 min Scan# 298

Delta R.T. -0.01 min

Lab File: VH057095.D

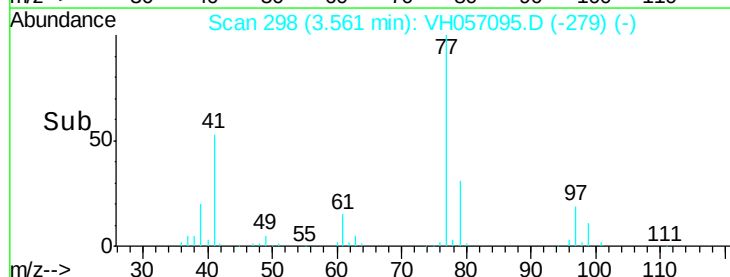
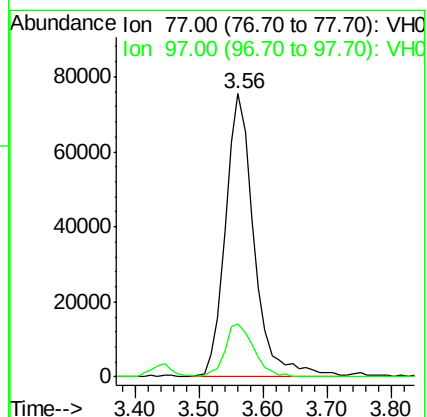
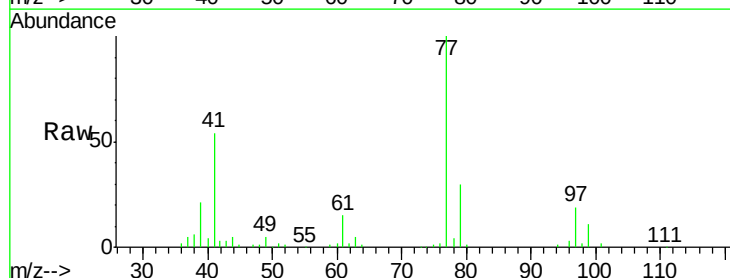
Acq: 21 Sep 2015 17:06

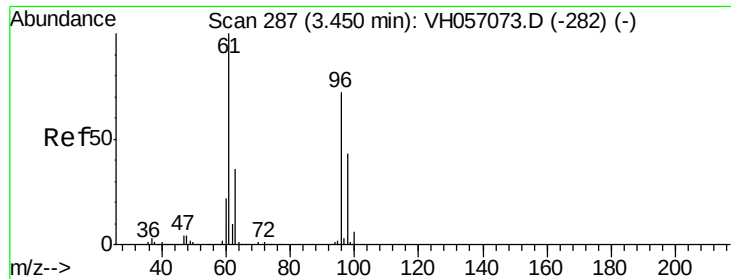
Tgt Ion: 77 Resp: 235523

Ion Ratio Lower Upper

77 100

97 18.9 8.8 26.4





#27

cis-1,2-Dichloroethene

Concen: 18.74 ug/l

RT: 3.45 min Scan# 287

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

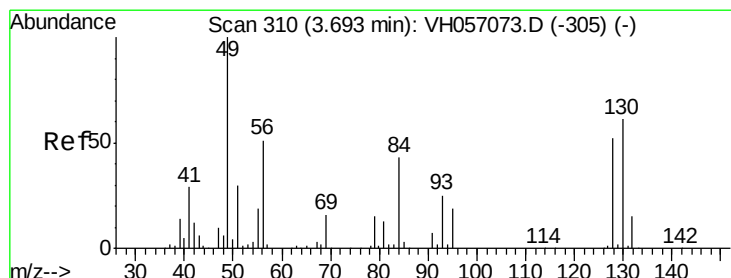
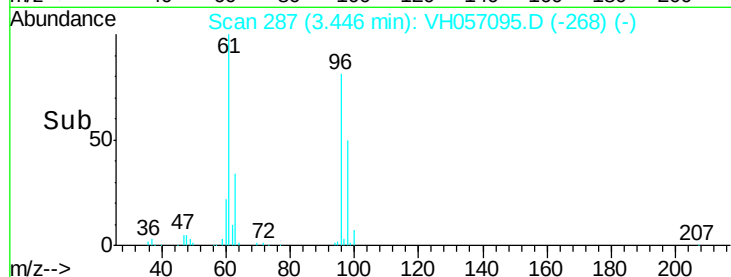
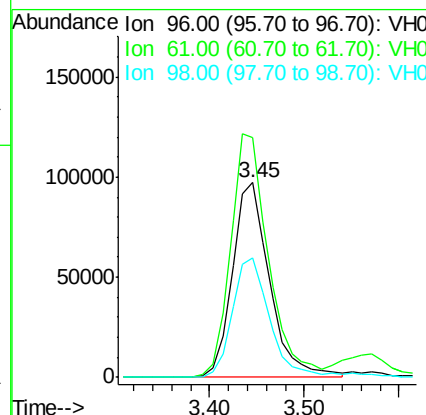
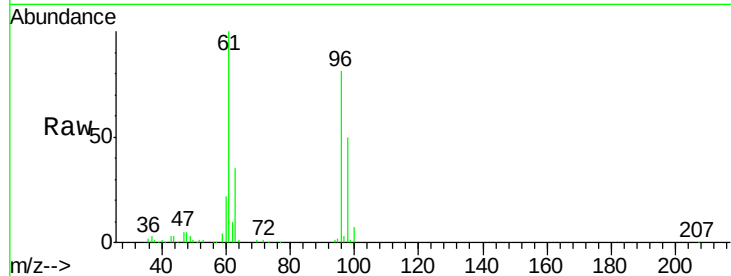
ClientSampleId :

VH0921MBS02

Tot Ion:	96	Resp:	266315
Ion	Ratio	Lower	Upper
96	100		
61	123.2	115.4	173.0
98	61.7	49.7	74.5

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#28

Bromochloromethane

Concen: 21.76 ug/l

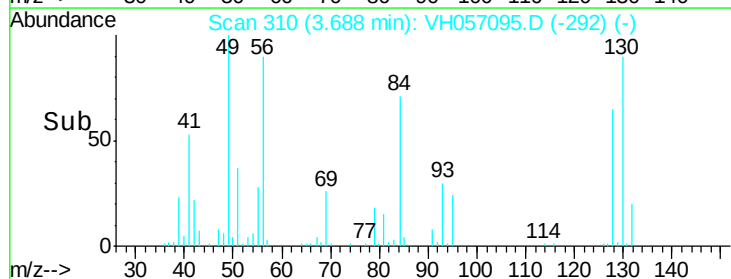
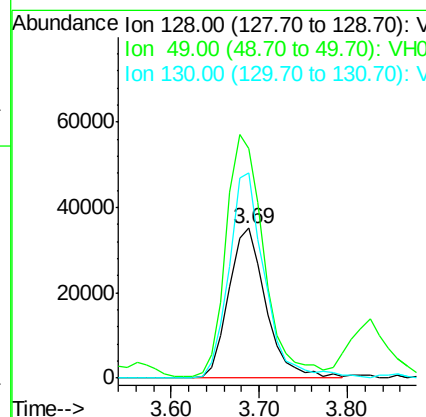
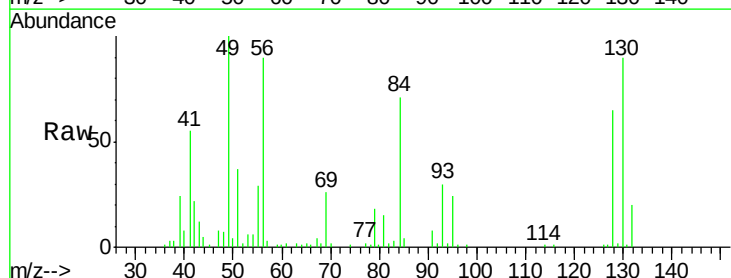
RT: 3.69 min Scan# 310

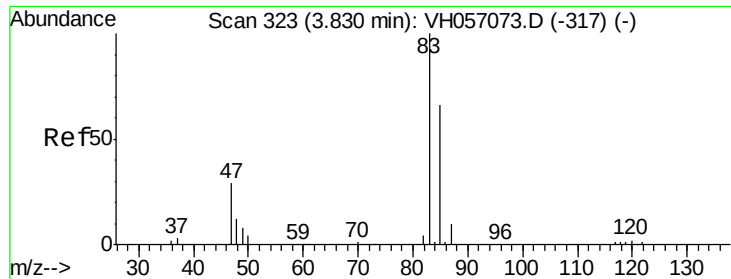
Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion:	128	Resp:	103295
Ion	Ratio	Lower	Upper
128	100		
49	152.8	0.0	441.4
130	137.1	100.7	151.1





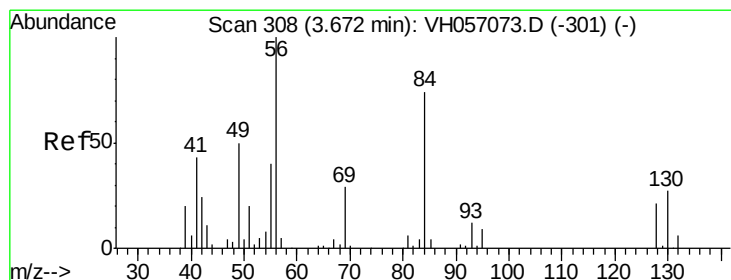
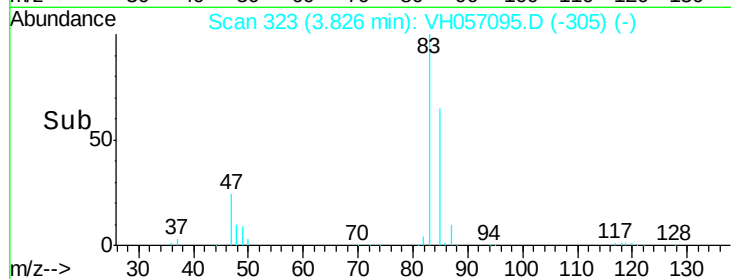
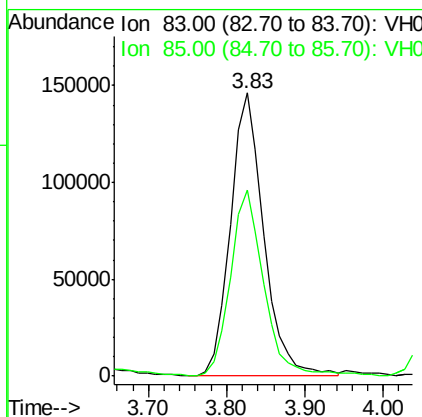
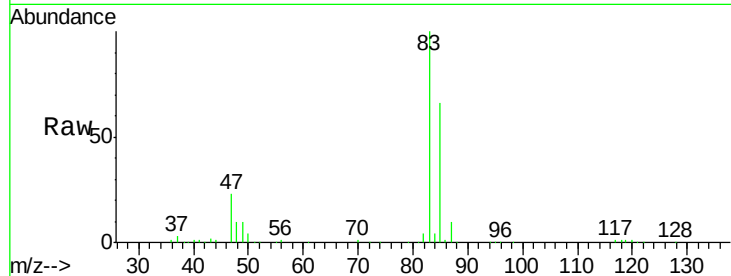
#29
Chloroform
Concen: 16.51 ug/l
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	83	Resp	429882
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	54.3	81.5

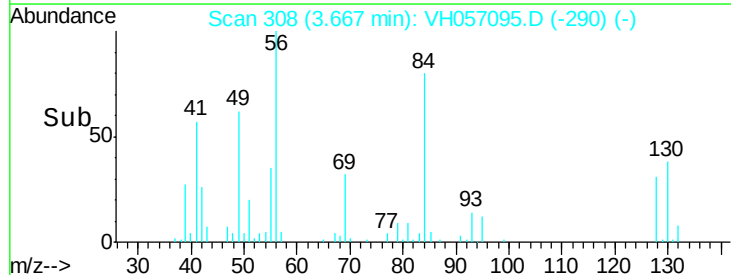
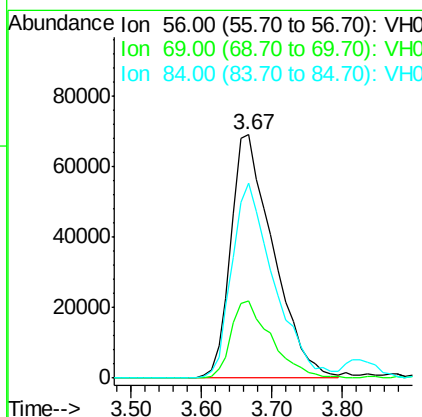
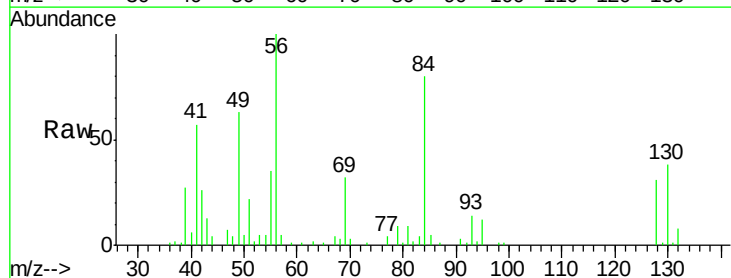
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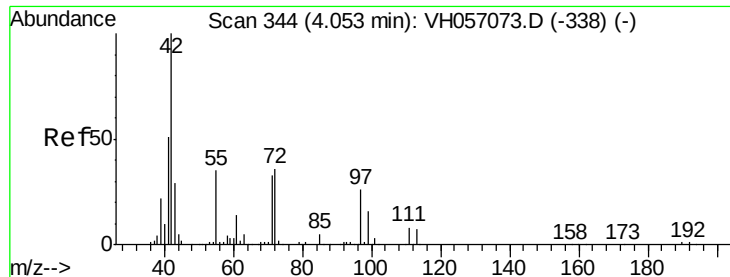
MMDadoda
9/22/2015 2:55:00 PM



#30
Cyclohexane
Concen: 16.37 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	56	Resp	288898
Ion Ratio	100	Lower	Upper
56	100		
69	31.8	18.1	33.7
84	80.3	0.0	136.8





#31

Tetrahydrofuran

Concen: 76.10 ug/l

RT: 4.04 min Scan# 343

Delta R.T. -0.02 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 42 Resp: 710947
Ion Ratio Lower Upper

42 100

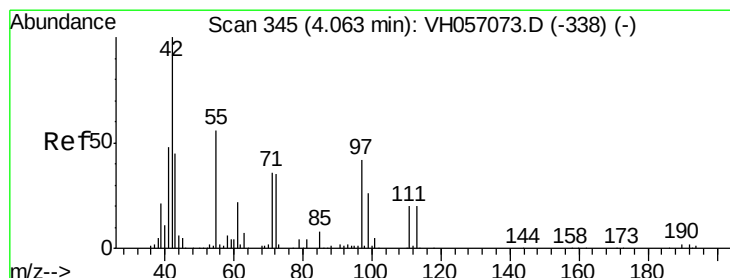
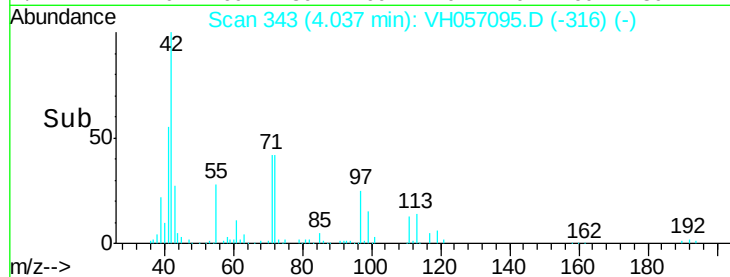
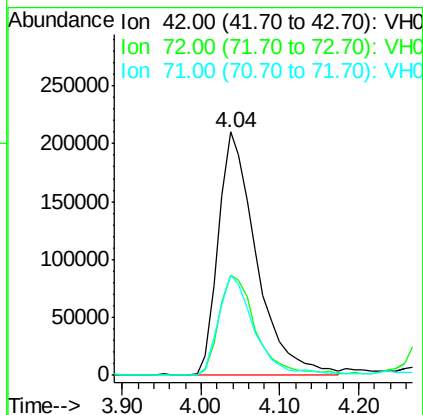
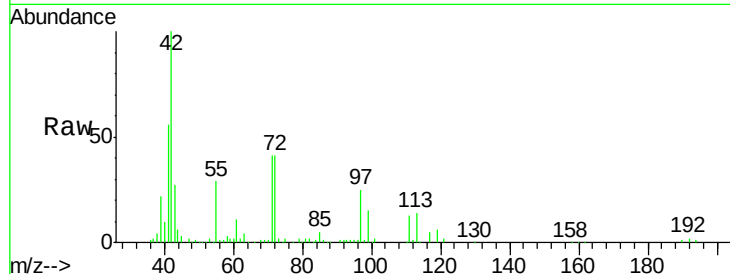
72 40.2 25.5 38.3#

71 38.1 25.4 38.0#

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#32

1,1,1-Trichloroethane

Concen: 16.98 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.00 min

Lab File: VH057095.D

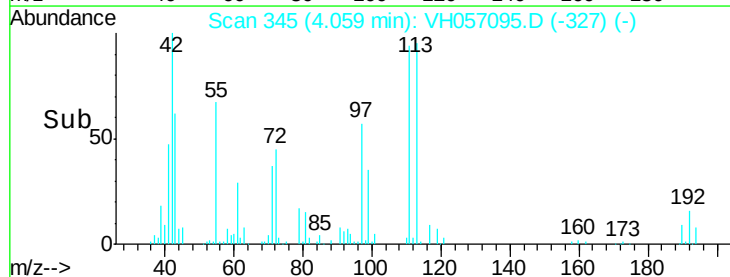
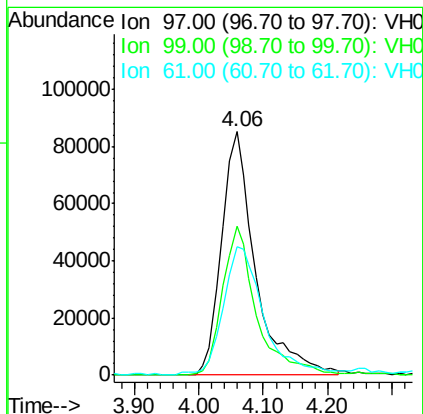
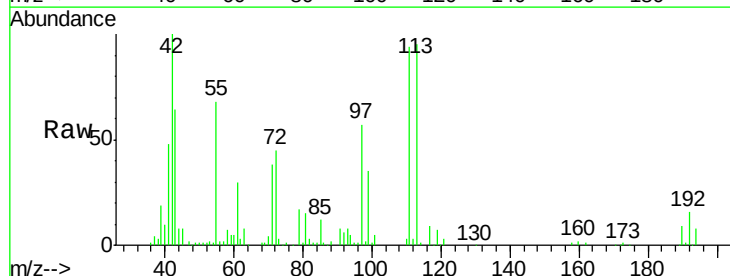
Acq: 21 Sep 2015 17:06

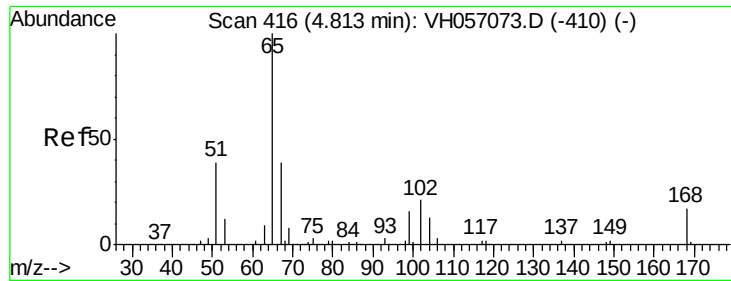
Tgt Ion: 97 Resp: 318247
Ion Ratio Lower Upper

97 100

99 61.4 49.8 74.6

61 52.5 45.0 67.4





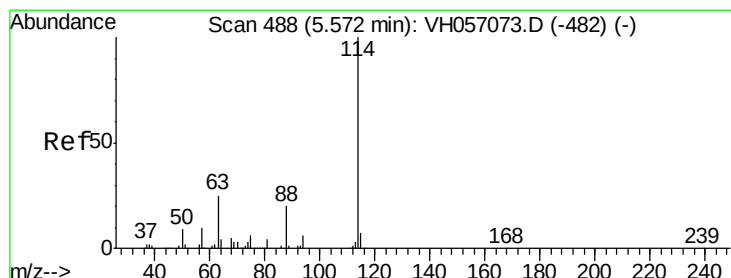
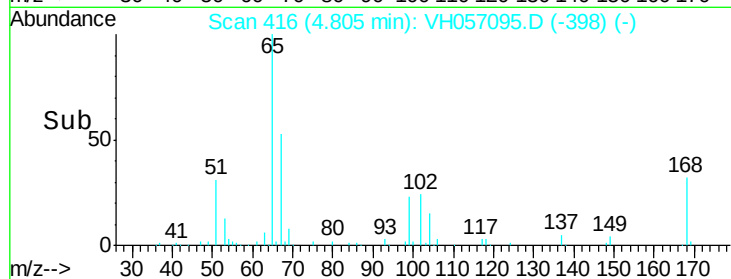
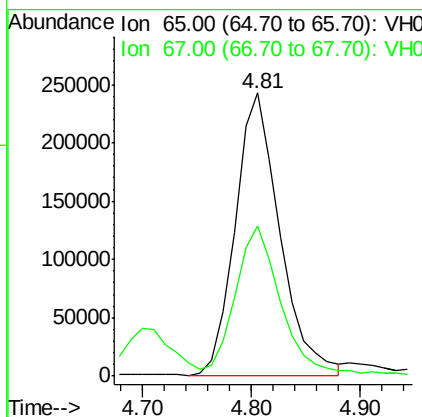
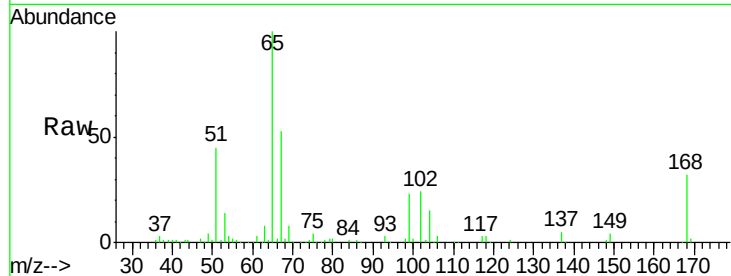
#33
 1,2-Dichloroethane-d4
 Concen: 38.29 ug/l
 RT: 4.81 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Tot Ion: 65 Resp: 686115
 Ion Ratio Lower Upper
 65 100
 67 53.0 43.2 64.8

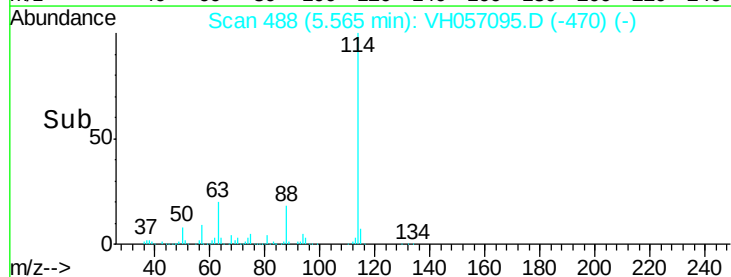
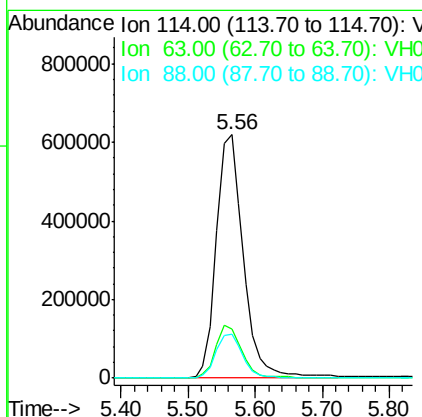
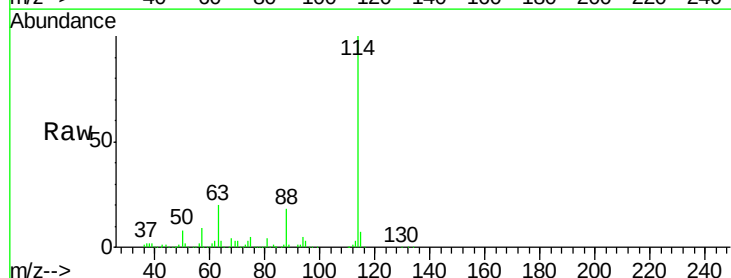
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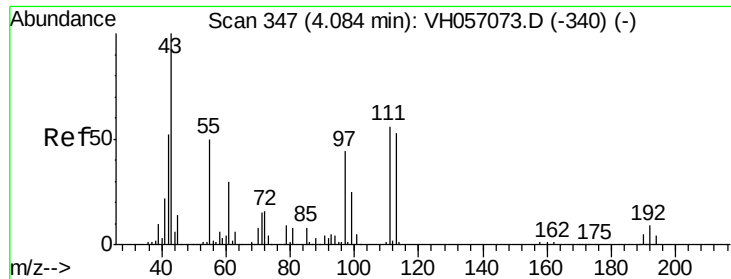
MMDadoda
 9/22/2015 2:55:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Tgt Ion: 114 Resp: 1726148
 Ion Ratio Lower Upper
 114 100
 63 20.3 19.0 28.4
 88 17.9 15.7 23.5





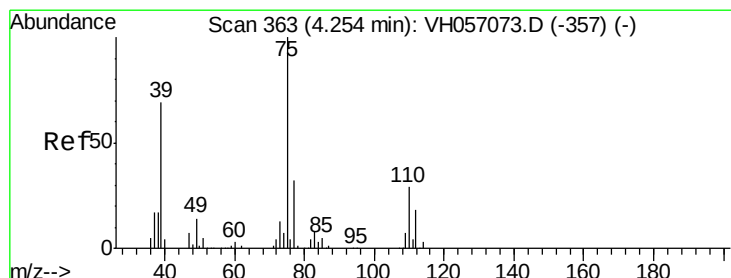
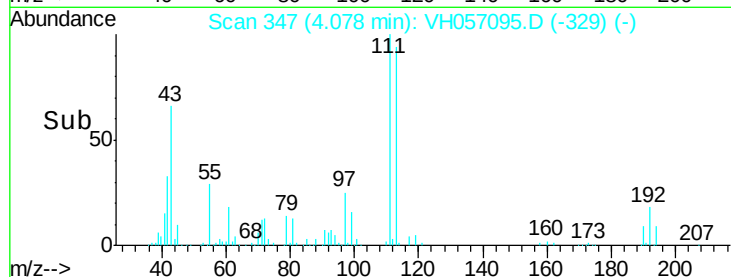
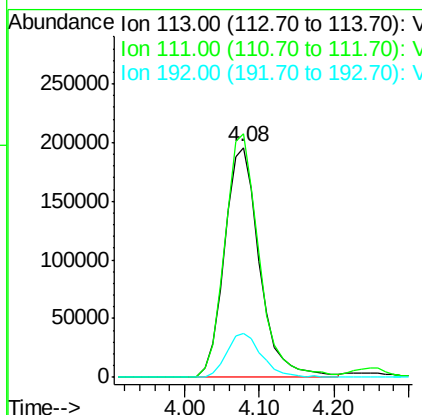
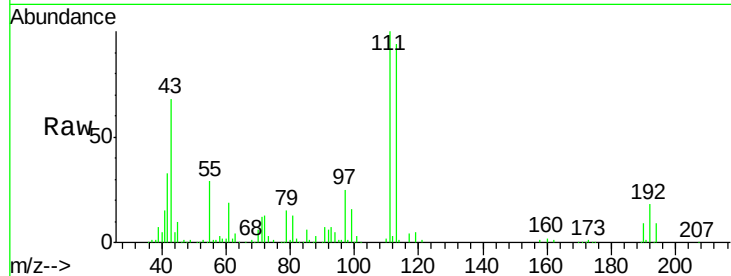
#35
 Dibromofluoromethane
 Concen: 47.25 ug/l
 RT: 4.08 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	649365		
111	105.9	84.0	126.0	
192	19.3	13.6	20.4	

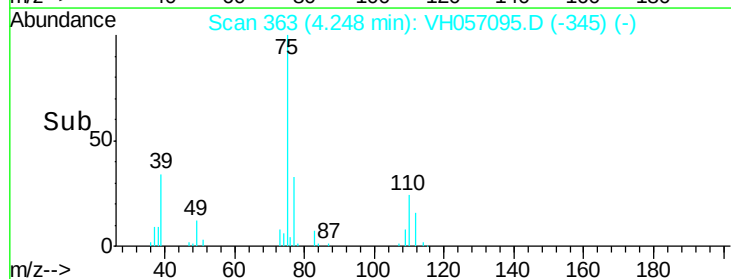
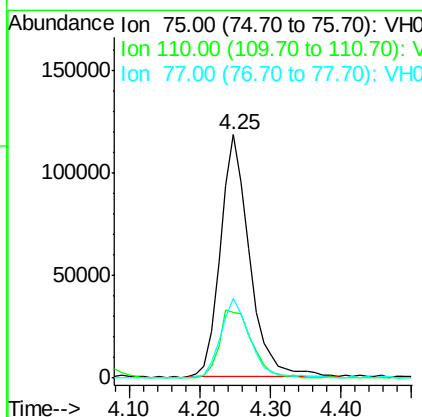
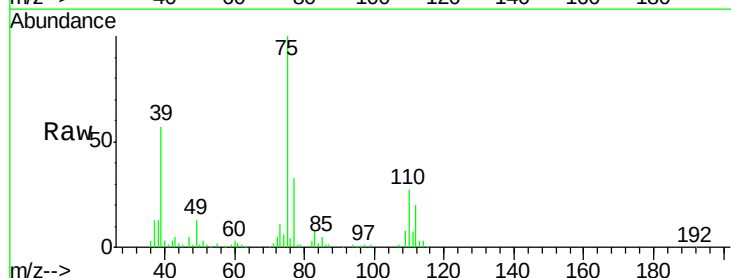
Manual Integrations
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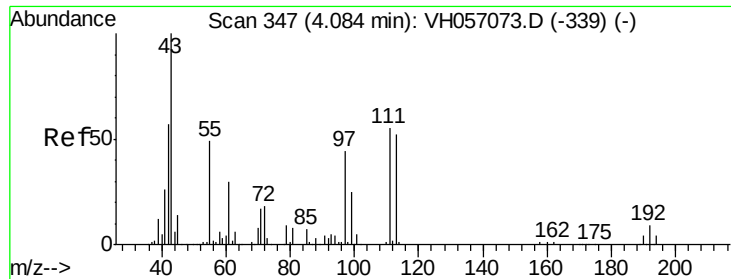
MMDadoda
 9/22/2015 2:55:00 PM



#36
 1,1-Dichloropropene
 Concen: 17.86 ug/l
 RT: 4.25 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	338755		
110	27.0	13.7	41.1	
77	32.8	24.0	36.0	





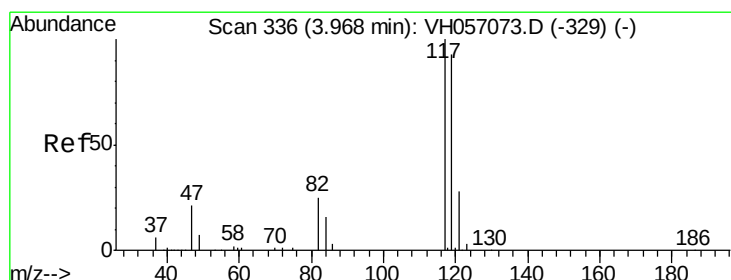
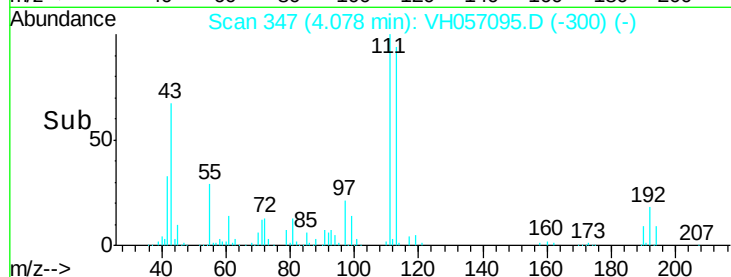
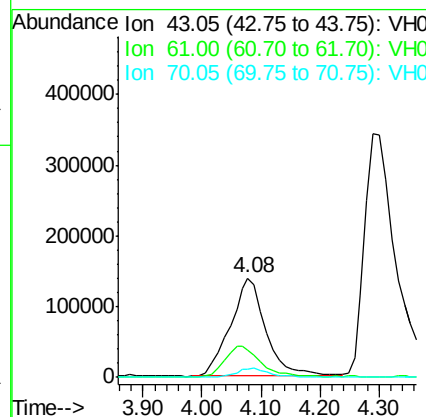
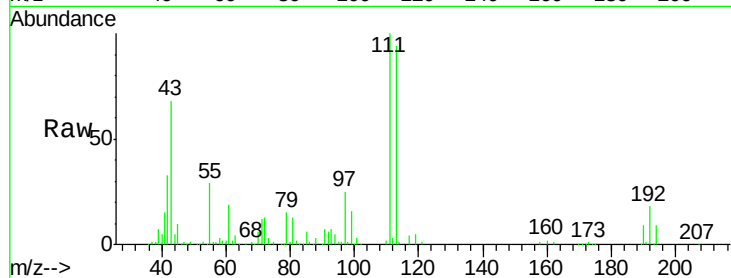
#37
Ethyl acetate
Concen: 16.70 ug/l
RT: 4.08 min Scan# 347
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.9	35.9#
70	8.5	5.4	8.0#

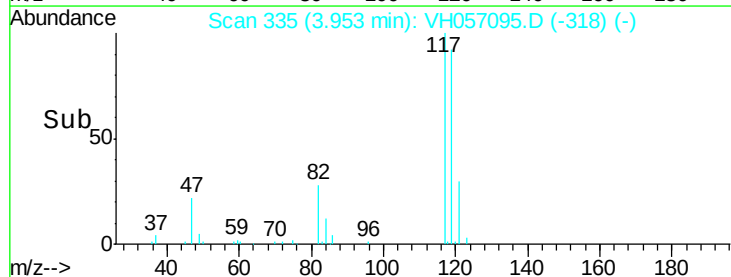
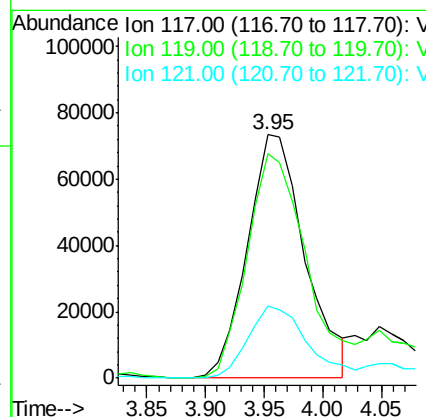
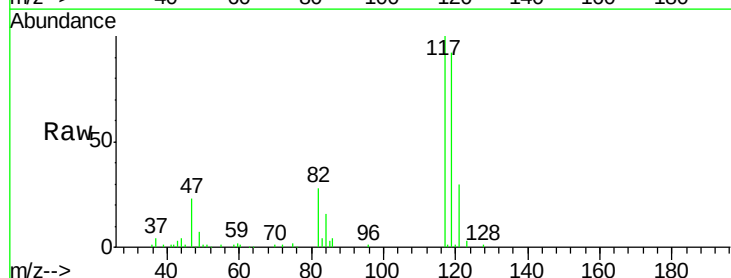
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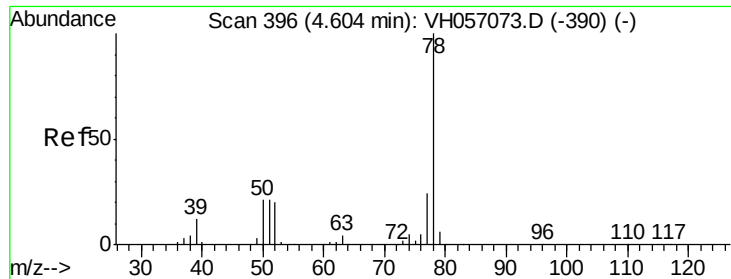
MMDadoda
9/22/2015 2:55:00 PM



#38
Carbon Tetrachloride
Concen: 16.98 ug/l
RT: 3.95 min Scan# 335
Delta R.T. -0.02 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	78.7	118.1
121	29.6	25.9	38.9





#39

Benzene

Concen: 18.76 ug/l

RT: 4.59 min Scan# 396

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 78 Resp: 847009

Ion Ratio Lower Upper

78 100

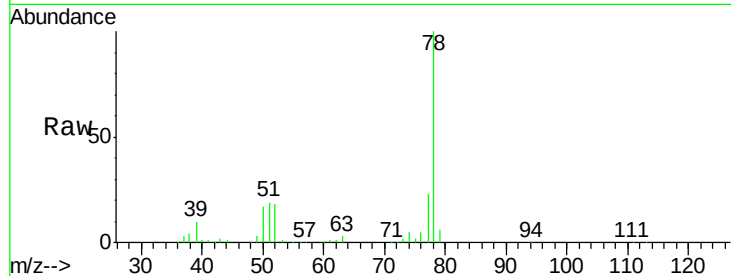
77 23.4 18.5 27.7

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Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0

4.59

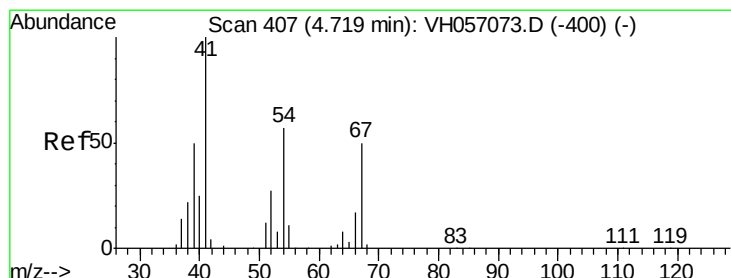
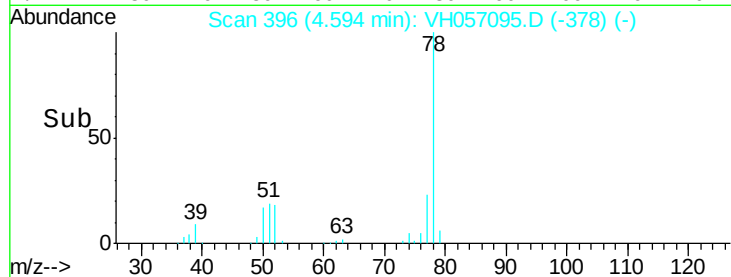
300000

200000

100000

0

Time-->



#40

Methacrylonitrile

Concen: 16.23 ug/l

RT: 4.70 min Scan# 406

Delta R.T. -0.02 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion: 41 Resp: 255710

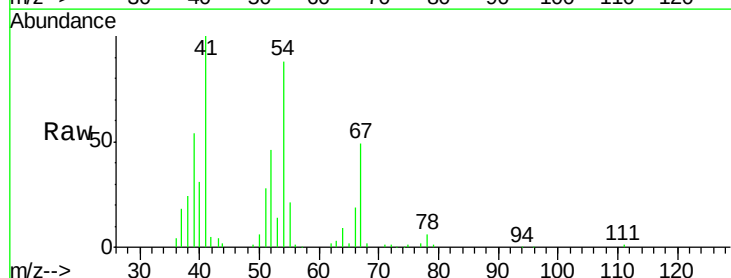
Ion Ratio Lower Upper

41 100

39 53.5 25.1 75.2

67 49.4 22.5 67.5

52 46.5 19.0 57.0



Abundance Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

Ion 67.00 (66.70 to 67.70): VH0

Ion 52.00 (51.70 to 52.70): VH0

200000

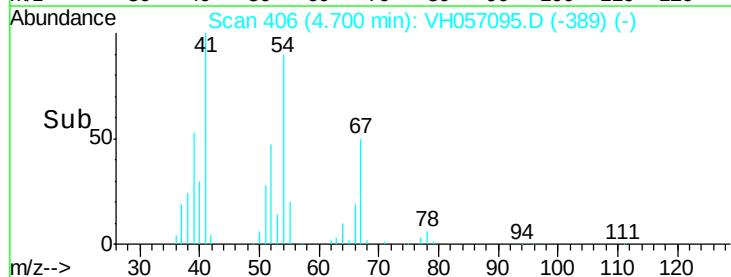
150000

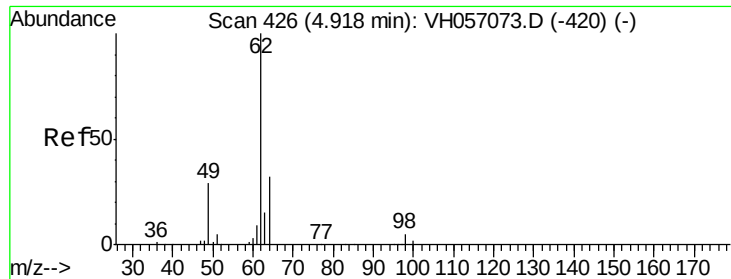
100000

50000

0

Time-->





#41

1,2-Dichloroethane

Concen: 16.18 ug/l

RT: 4.90 min Scan# 425

Delta R.T. -0.02 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 62 Resp: 322448

Ion Ratio Lower Upper

62 100

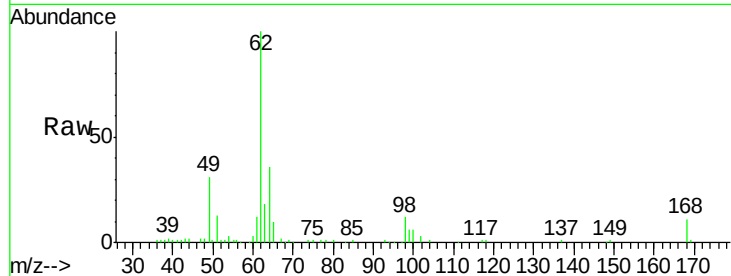
98 11.8 7.3 10.9#

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Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

4.90

120000

100000

80000

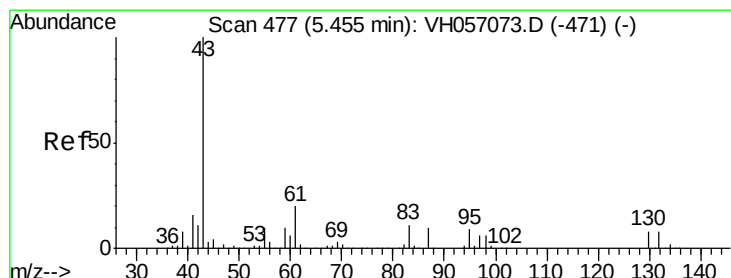
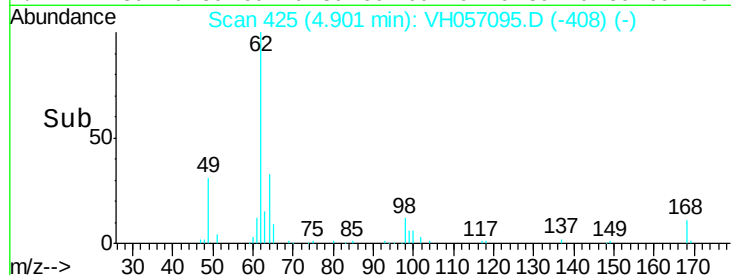
60000

40000

20000

0

Time-->



#42

Isopropyl Acetate

Concen: 16.44 ug/l

RT: 5.45 min Scan# 477

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

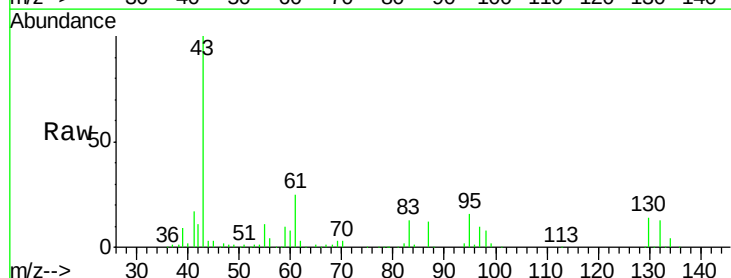
Tgt Ion: 43 Resp: 764287

Ion Ratio Lower Upper

43 100

61 25.4 15.8 23.6#

87 11.5 7.0 10.6#



Abundance Ion 43.05 (42.75 to 43.75): VH0

Ion 61.00 (60.70 to 61.70): VH0

Ion 87.00 (86.70 to 87.70): VH0

5.45

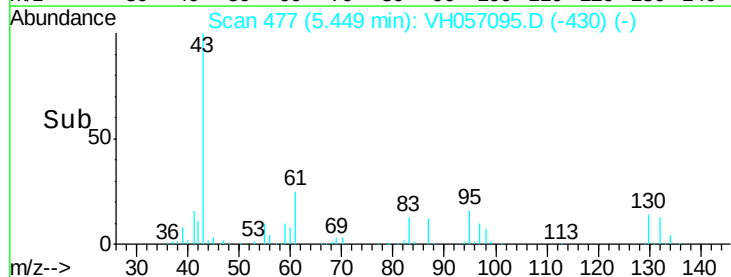
300000

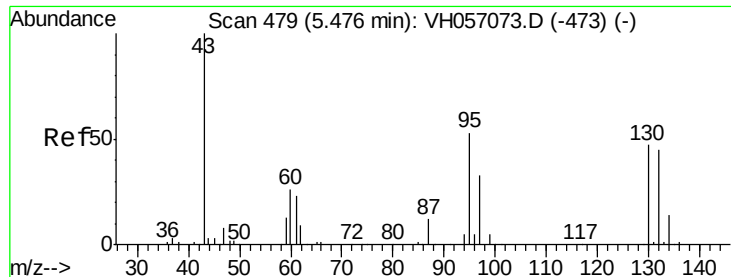
200000

100000

0

Time-->





#43

Trichloroethene

Concen: 20.24 ug/l

RT: 5.47 min Scan# 479

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:130 Resp: 232277

Ion Ratio Lower Upper

130 100

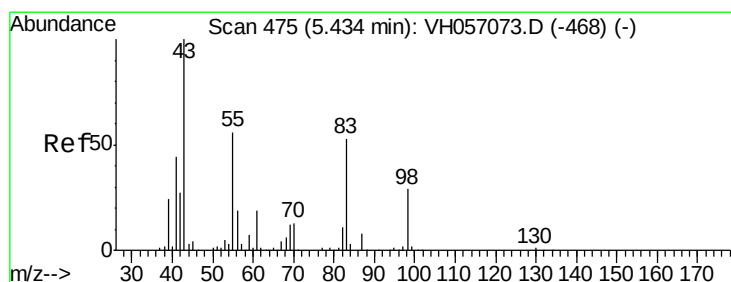
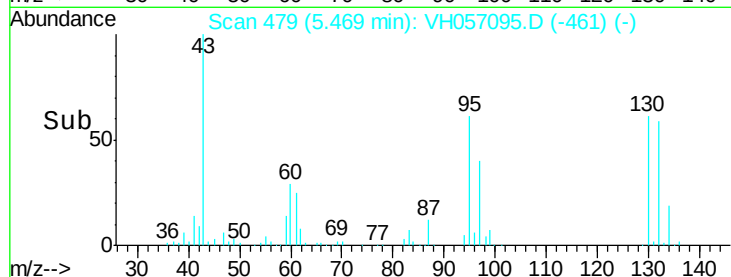
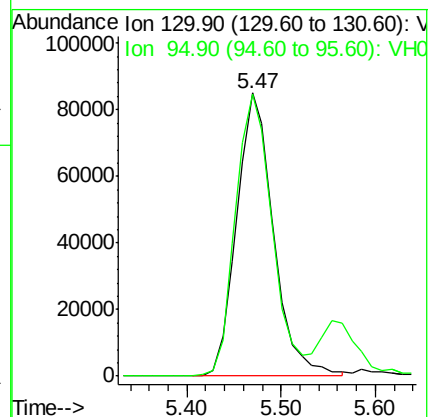
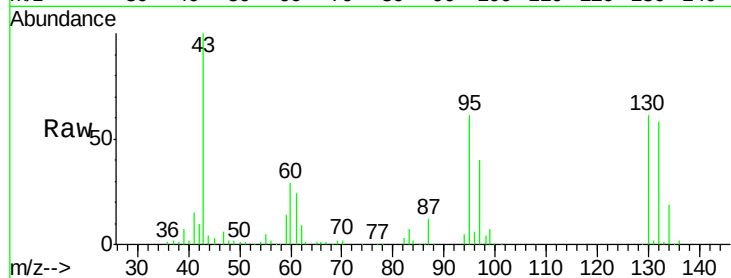
95 99.7 84.0 126.0

Manual Integrations

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MMDadoda

9/22/2015 2:55:00 PM



#44

Methylcyclohexane

Concen: 18.85 ug/l

RT: 5.43 min Scan# 475

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

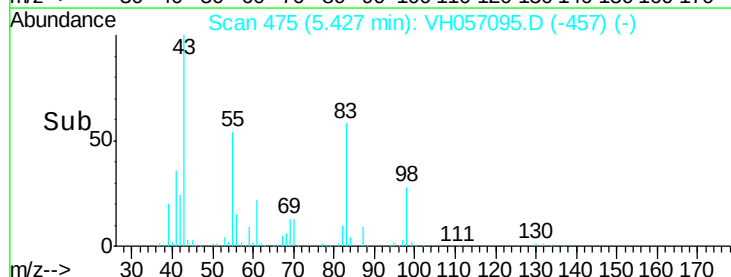
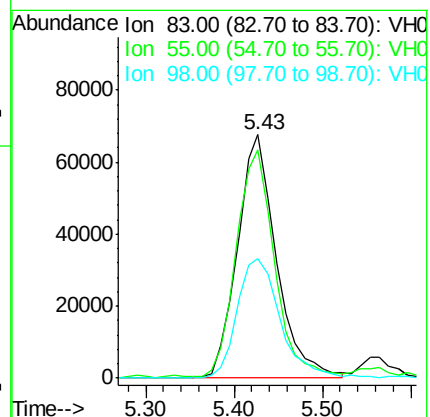
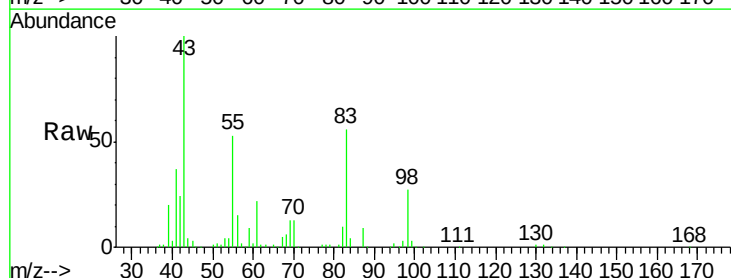
Tgt Ion: 83 Resp: 206037

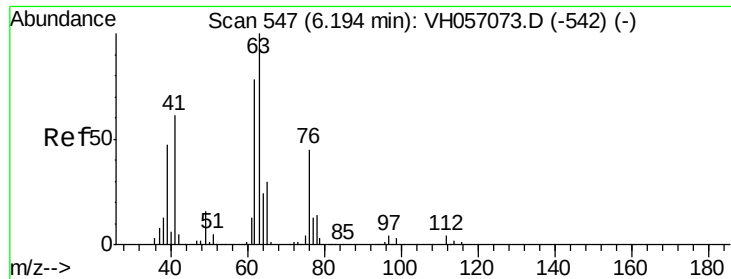
Ion Ratio Lower Upper

83 100

55 93.9 0.0 207.2

98 48.8 0.0 108.4





#45

1,2-Dichloropropane

Concen: 17.81 ug/l

RT: 6.20 min Scan# 548

Delta R.T. 0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 63 Resp: 254981

Ion Ratio Lower Upper

63 100

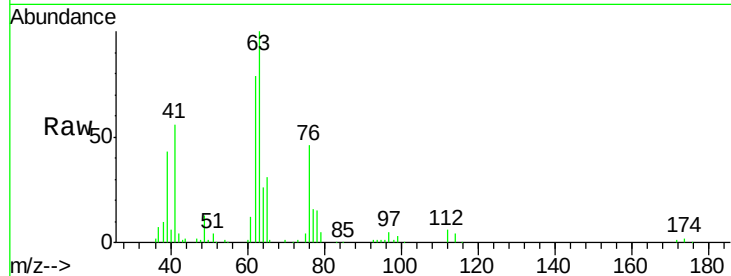
65 31.0 23.8 35.8

Manual Integrations

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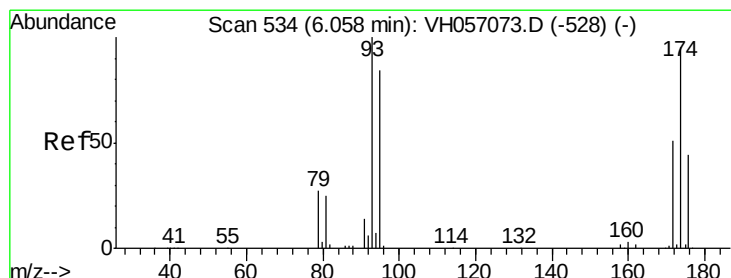
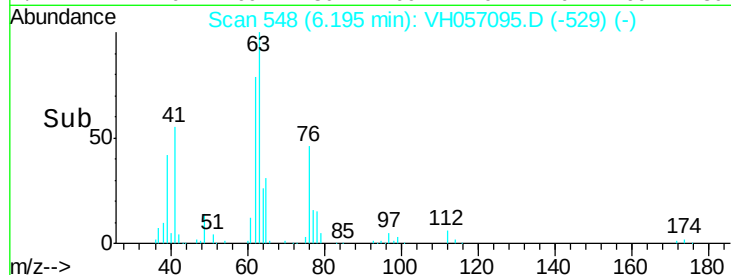
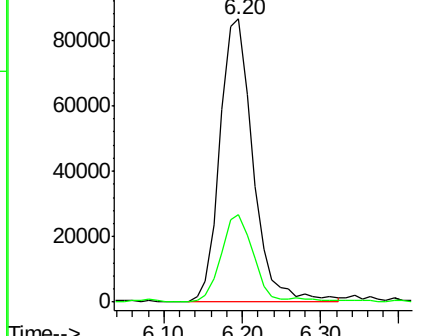
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 65.00 (64.70 to 65.70): VH0



#46

Dibromomethane

Concen: 18.01 ug/l

RT: 6.05 min Scan# 534

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

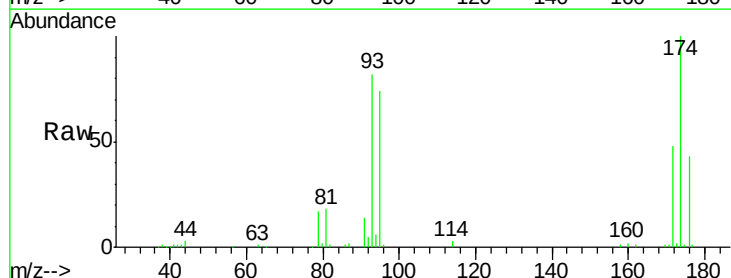
Tgt Ion: 93 Resp: 167704

Ion Ratio Lower Upper

93 100

95 89.5 69.5 104.3

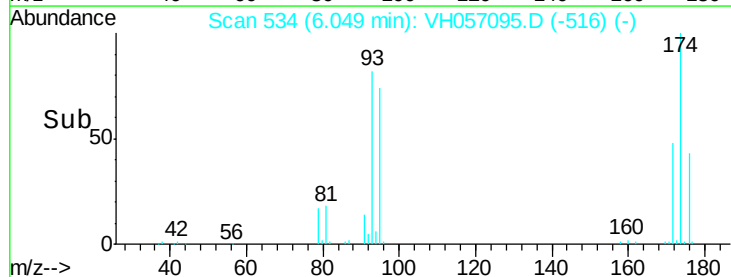
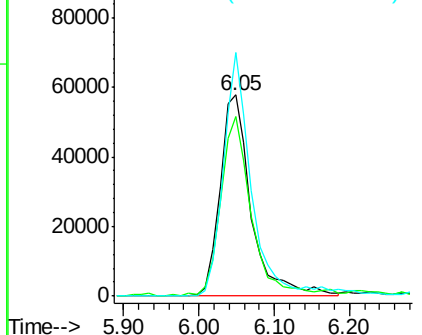
174 121.3 75.8 113.6#

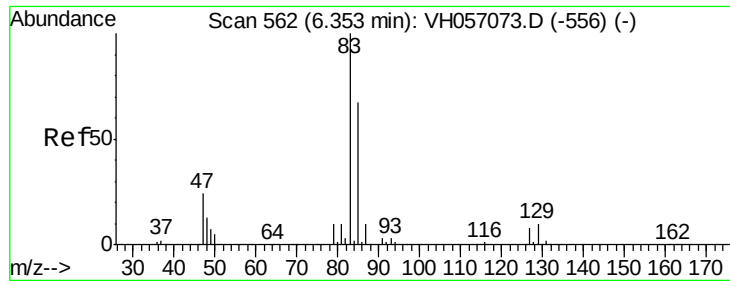


Abundance Ion 93.00 (92.70 to 93.70): VH0

Ion 95.00 (94.70 to 95.70): VH0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 17.66 ug/l

RT: 6.34 min Scan# 562

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

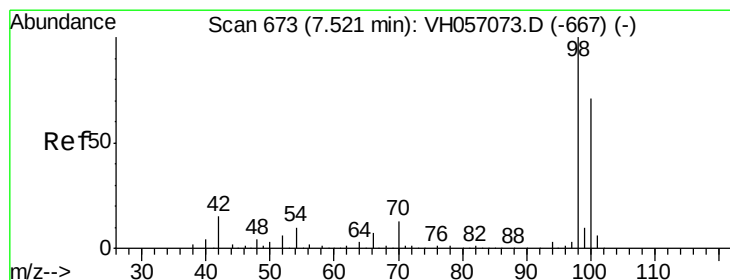
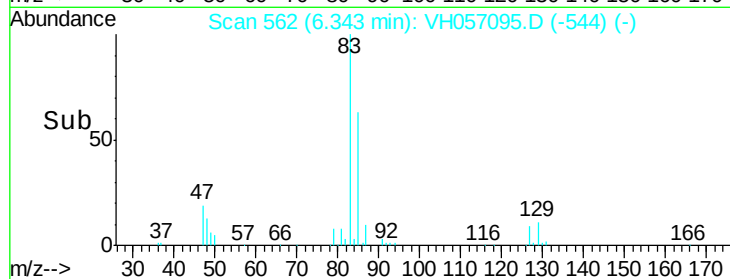
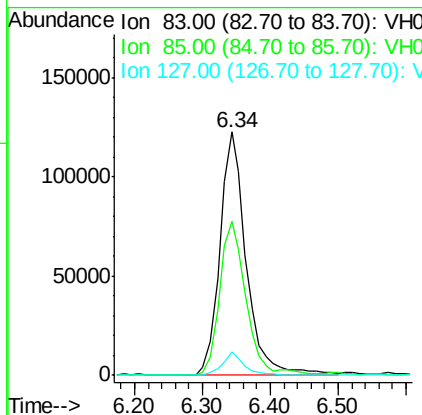
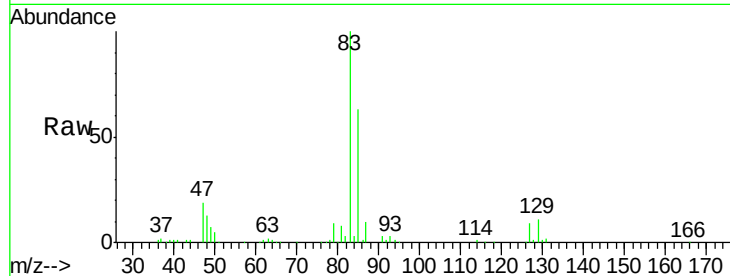
ClientSampleId :

VH0921MBS02

Tot Ion:	83	Resp:	336841
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.6	78.8
127	9.5	6.8	10.2

Manual Integrations
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#48

Toluene-d8

Concen: 47.45 ug/l

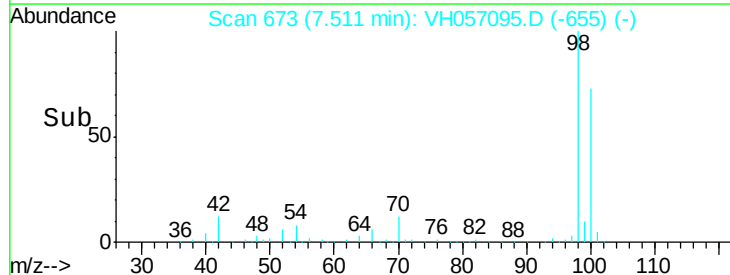
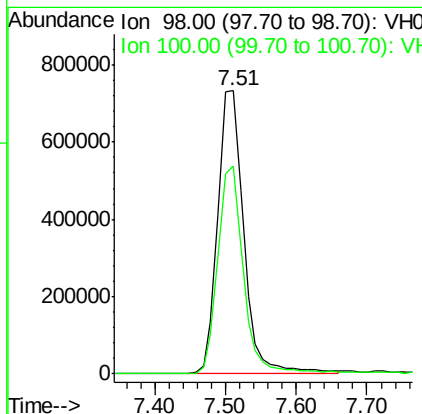
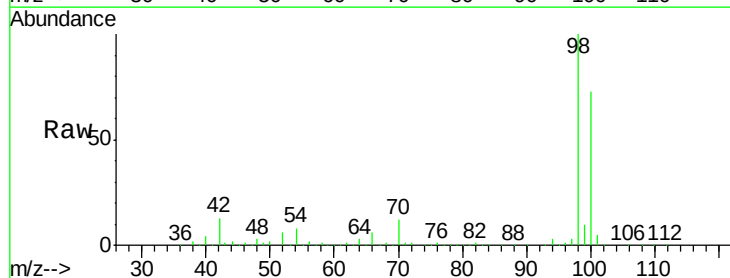
RT: 7.51 min Scan# 673

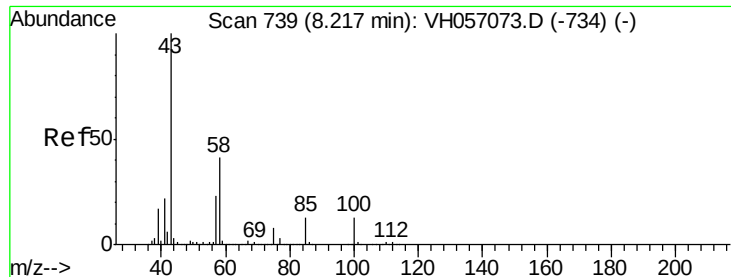
Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion:	98	Resp:	1875099
Ion Ratio	Lower	Upper	
98	100		
100	73.4	56.7	85.1





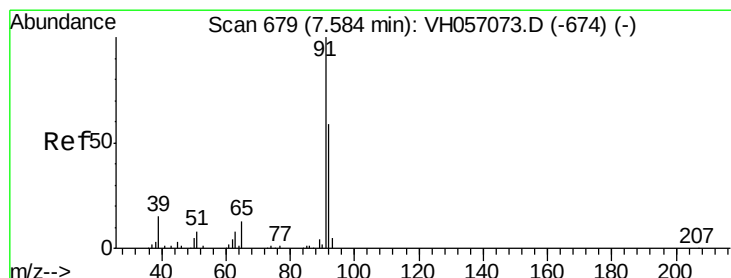
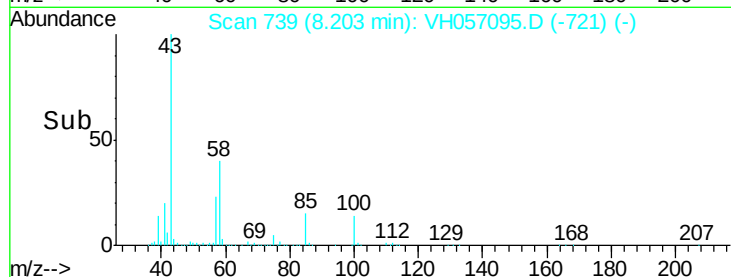
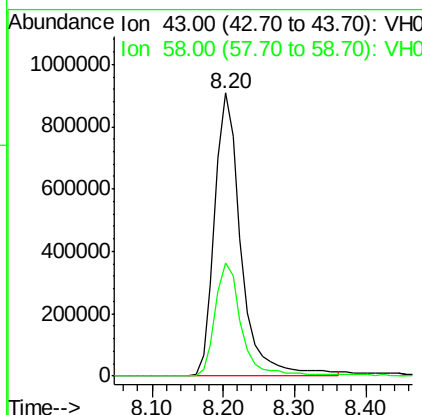
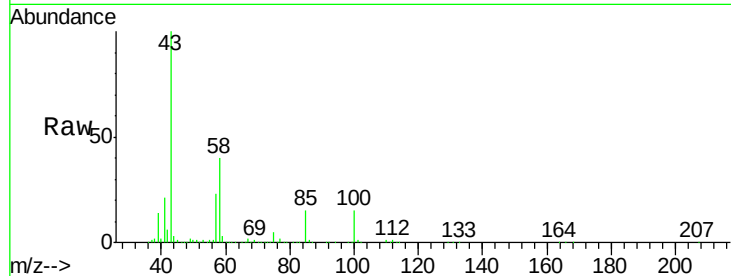
#49
 4-Methyl-2-Pentanone
 Concen: 84.02 ug/l
 RT: 8.20 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Tot Ion: 43 Resp: 2366197
 Ion Ratio Lower Upper
 43 100
 58 40.1 20.0 60.0

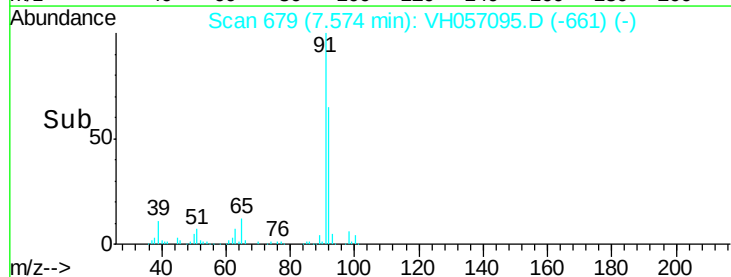
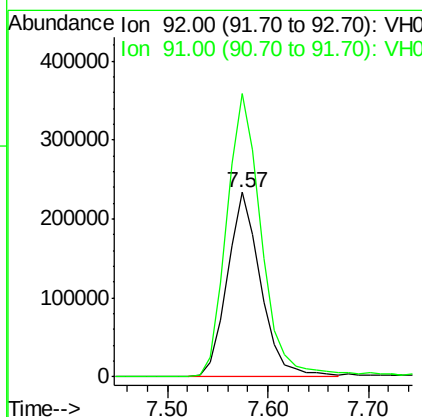
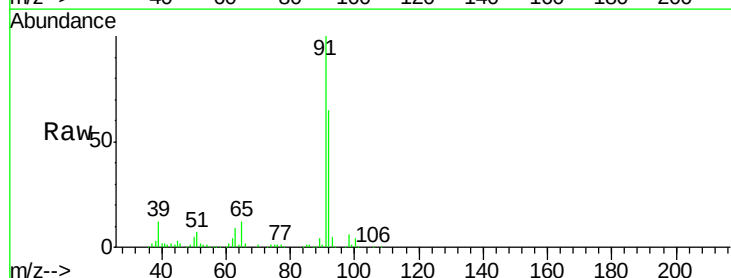
Manual Integrations
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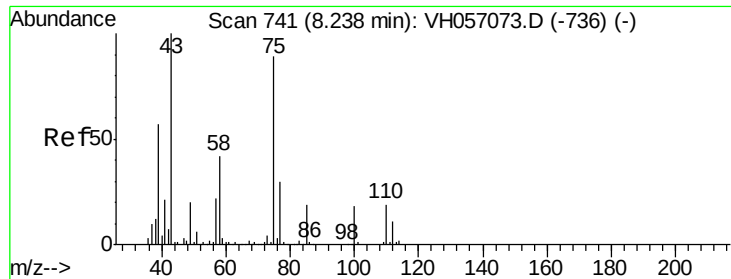
MMDadoda
 9/22/2015 2:55:00 PM



#50
 Toluene
 Concen: 18.62 ug/l
 RT: 7.57 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Tgt Ion: 92 Resp: 538331
 Ion Ratio Lower Upper
 92 100
 91 153.4 125.8 188.6





#51

t-1,3-Dichloropropene

Concen: 17.81 ug/l

RT: 8.22 min Scan# 741

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 75 Resp: 389502

Ion Ratio Lower Upper

75 100

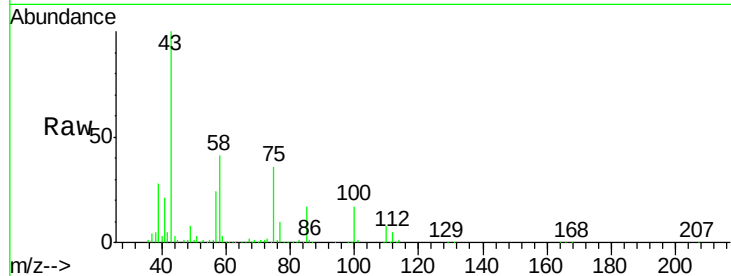
77 28.6 26.2 39.2

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0

150000

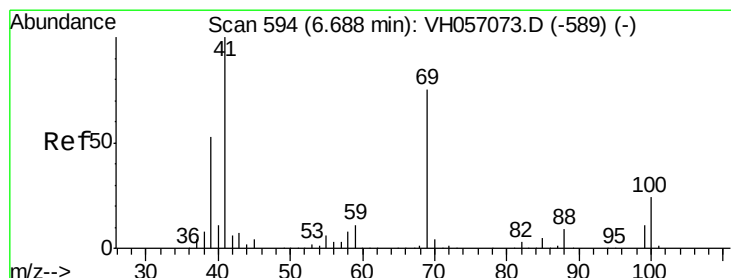
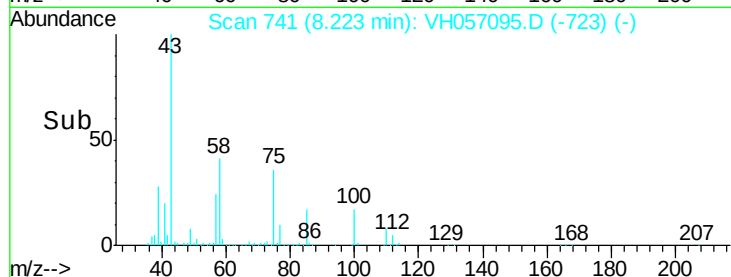
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Methyl Methacrylate

Concen: 17.72 ug/l

RT: 6.68 min Scan# 594

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

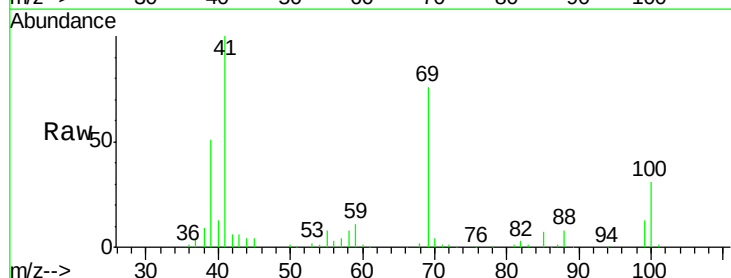
Tgt Ion: 69 Resp: 251159

Ion Ratio Lower Upper

69 100

41 130.8 70.0 209.8

39 66.6 37.5 112.5



Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

150000

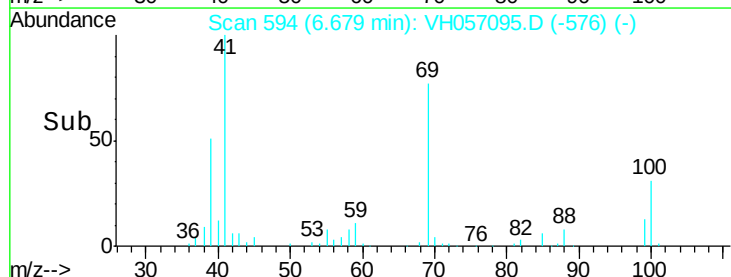
100000

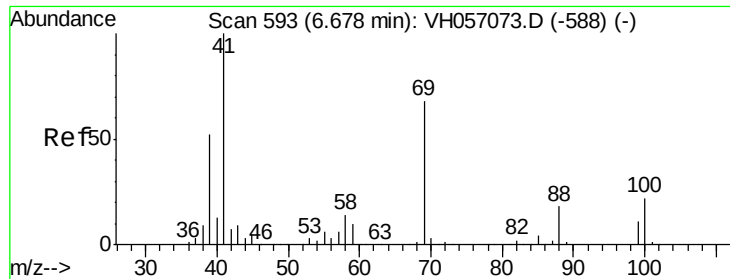
50000

0

6.60 6.70 6.80

Time-->





#53

1,4-Dioxane

Concen: 256.62 ug/l m

RT: 6.67 min Scan# 593

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

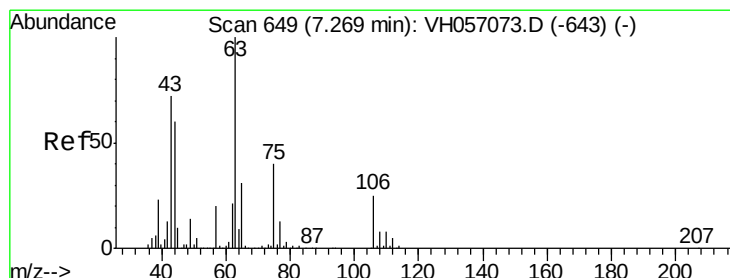
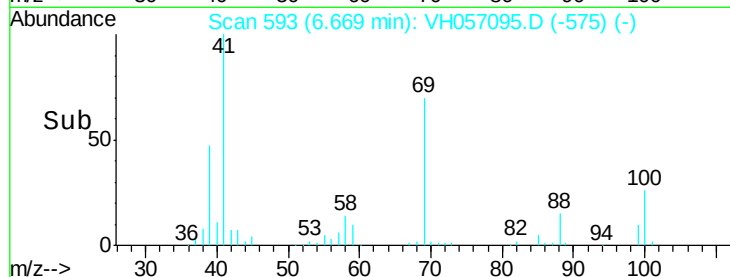
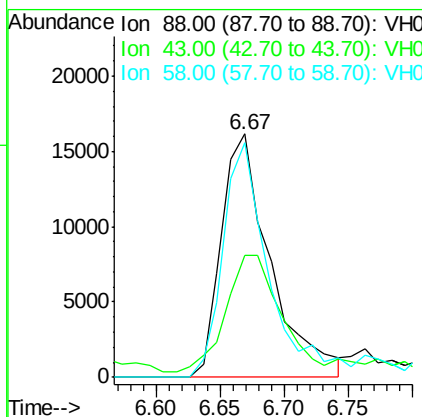
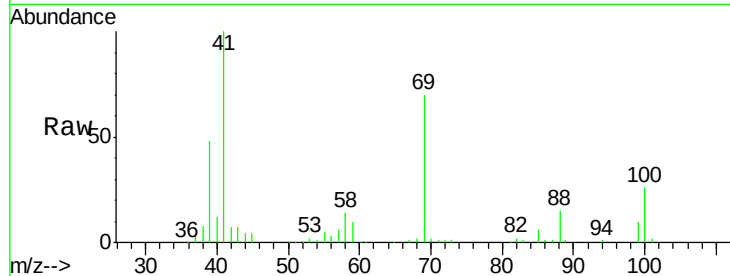
ClientSampleId :

VH0921MBS02

Tot Ion:	88	Resp:	42649
Ion	Ratio	Lower	Upper
88	100		
43	49.9	39.6	59.4
58	96.2	61.4	92.2#

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 17.64 ug/l

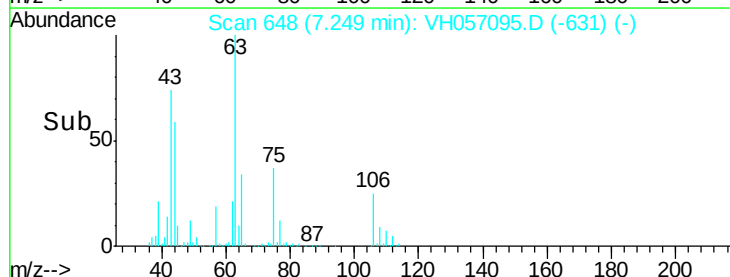
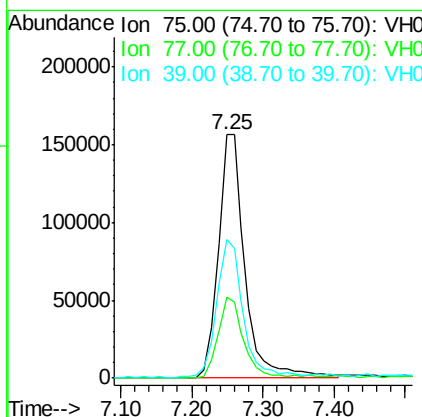
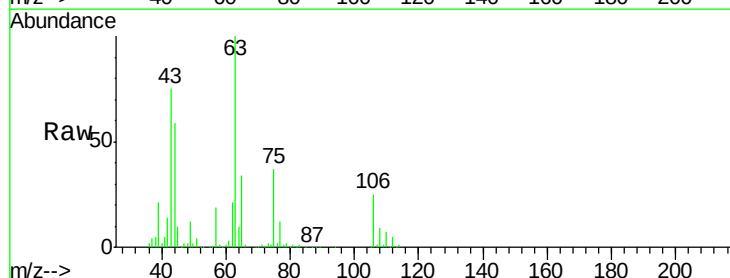
RT: 7.25 min Scan# 648

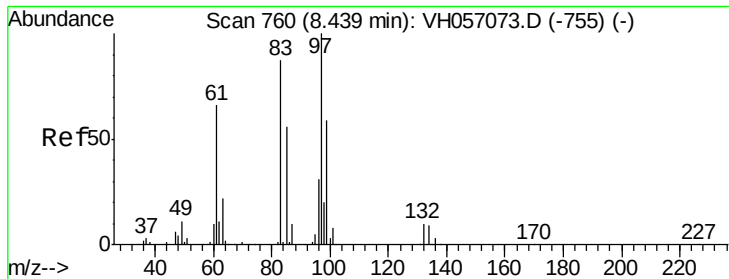
Delta R.T. -0.02 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion:	75	Resp:	409568
Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.2	37.8
39	57.2	50.7	76.1





#55

1,1,2-Trichloroethane

Concen: 18.26 ug/l

RT: 8.44 min Scan# 761

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

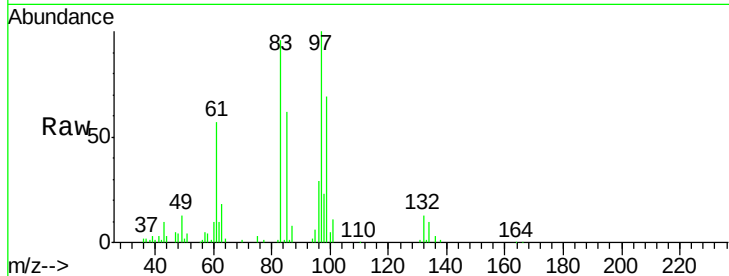
ClientSampleId :

VH0921MBS02

Tot Ion:	97	Resp:	224145
Ion	Ratio	Lower	Upper
97	100		
83	96.0	72.7	109.1
85	61.7	45.5	68.3
99	68.8	46.2	69.2

Manual Integrations
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9/22/2015 2:55:00 PM

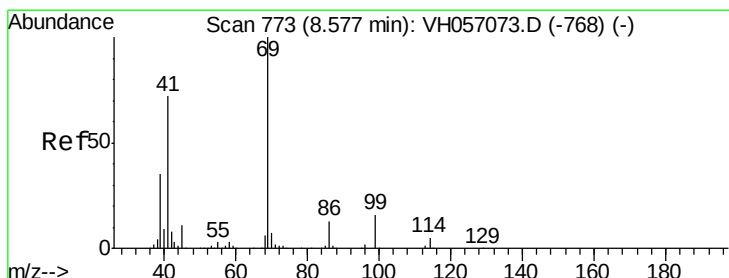
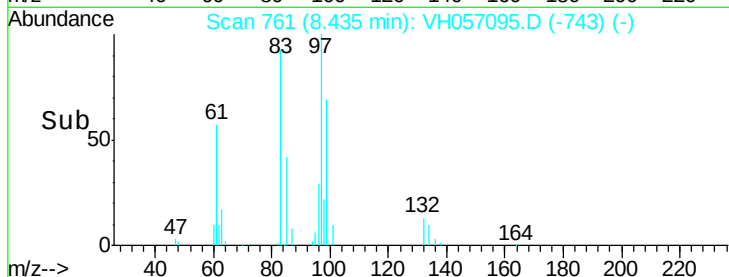
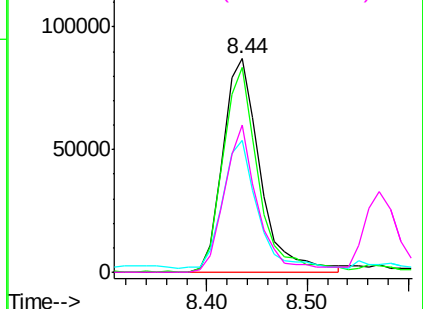


Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 82.95 (82.65 to 83.65): VH0

Ion 84.95 (84.65 to 85.65): VH0

Ion 98.95 (98.65 to 99.65): VH0



#56

Ethyl Methacrylate

Concen: 17.87 ug/l

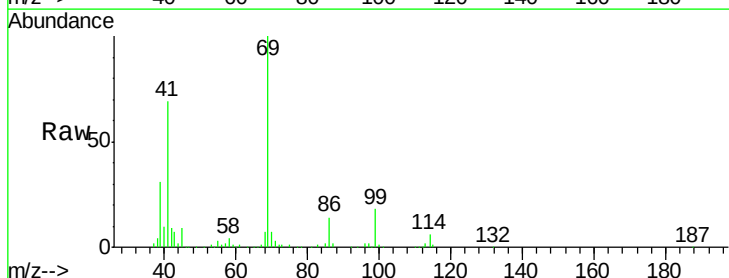
RT: 8.57 min Scan# 774

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

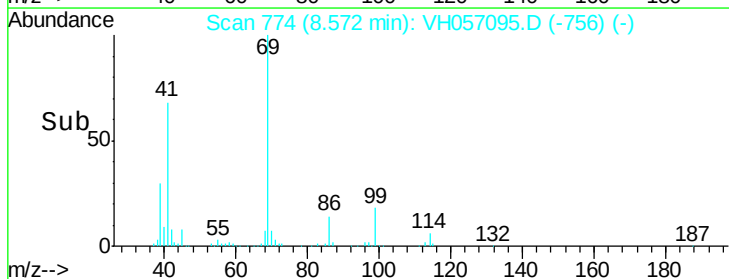
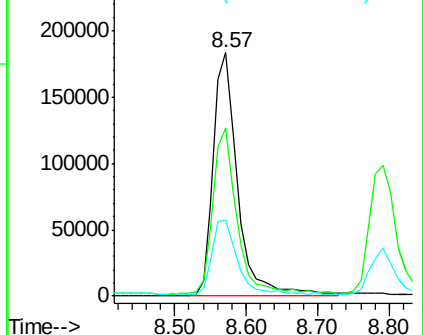
Tgt Ion:	69	Resp:	433154
Ion	Ratio	Lower	Upper
69	100		
41	68.8	39.1	117.3
39	31.3	19.2	57.6

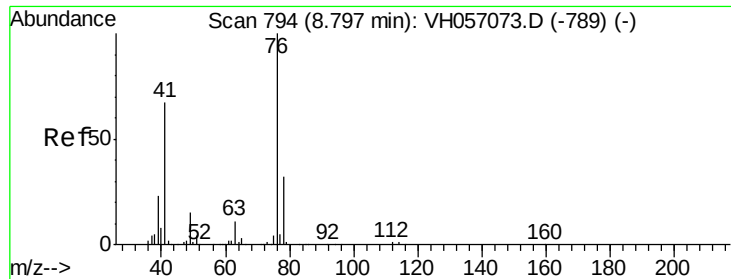


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





#57

1,3-Dichloropropane

Concen: 17.85 ug/l

RT: 8.79 min Scan# 795

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tot Ion: 76 Resp: 445643

Ion Ratio Lower Upper

76 100

78 31.1 25.7 38.5

Instrument :

MSVOA_H

ClientSampleId :

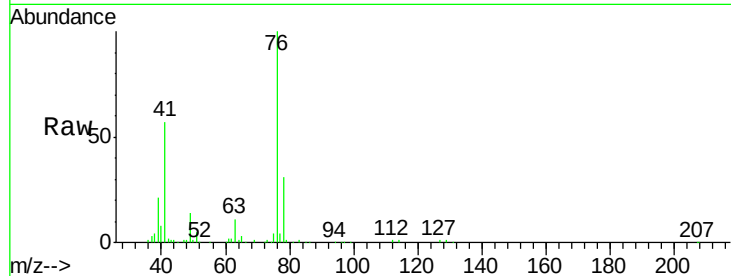
VH0921MBS02

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Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0

200000

150000

100000

50000

0

8.79

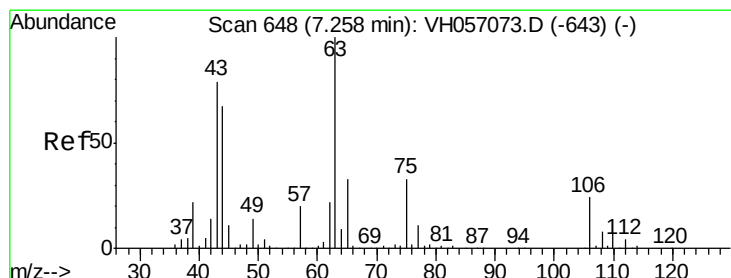
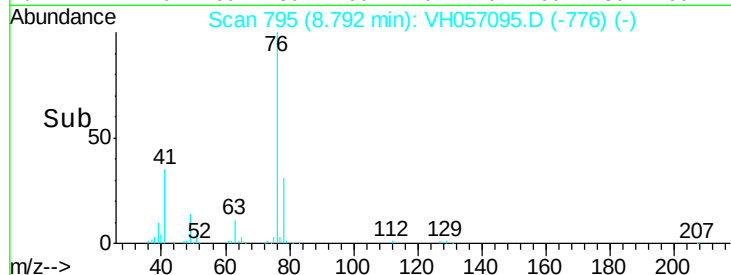
8.70

8.80

8.90

9.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 90.91 ug/l

RT: 7.25 min Scan# 648

Delta R.T. -0.01 min

Lab File: VH057095.D

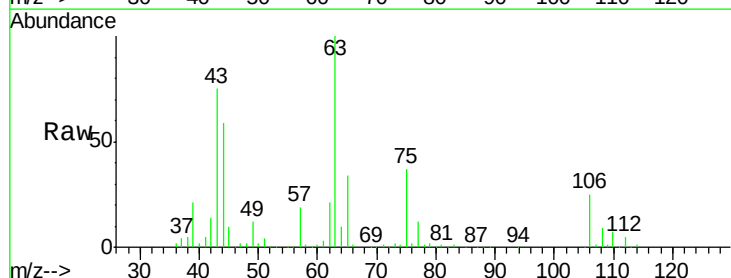
Acq: 21 Sep 2015 17:06

Tgt Ion: 63 Resp: 1089773

Ion Ratio Lower Upper

63 100

106 25.2 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 106.00 (105.70 to 106.70): V

500000

400000

300000

200000

100000

0

7.25

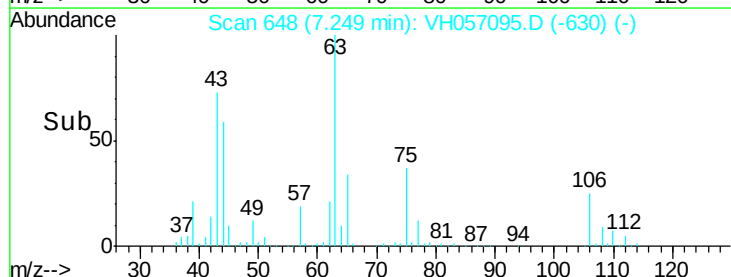
7.10

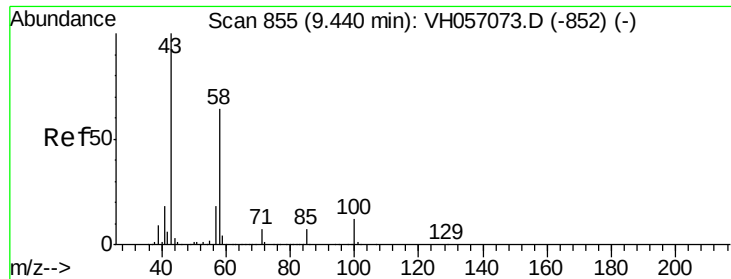
7.20

7.30

7.40

Time-->





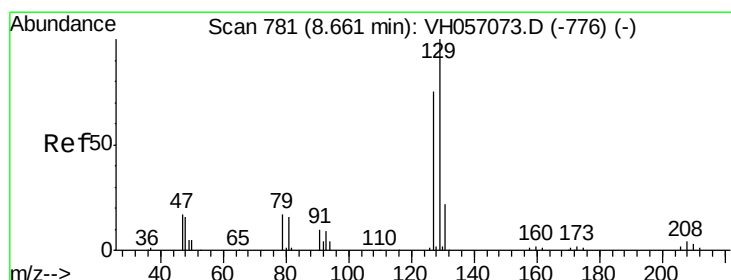
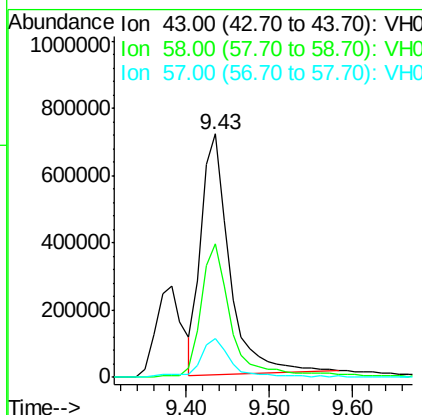
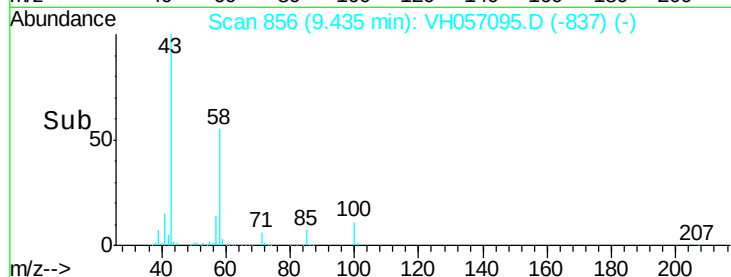
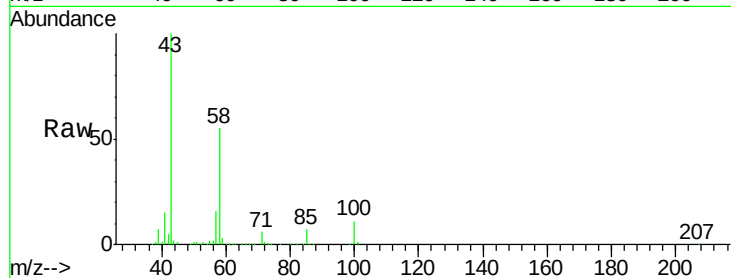
#59
2-Hexanone
Concen: 77.07 ug/l
RT: 9.43 min Scan# 856
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion: 43 Resp: 1695848
Ion Ratio Lower Upper
43 100
58 55.0 27.1 81.2
57 15.9 8.1 24.3

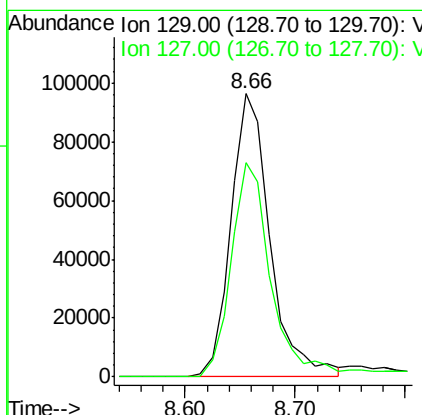
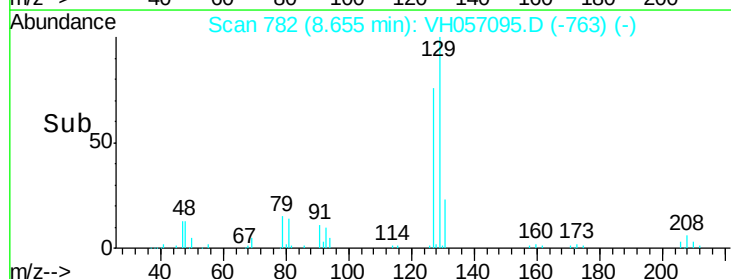
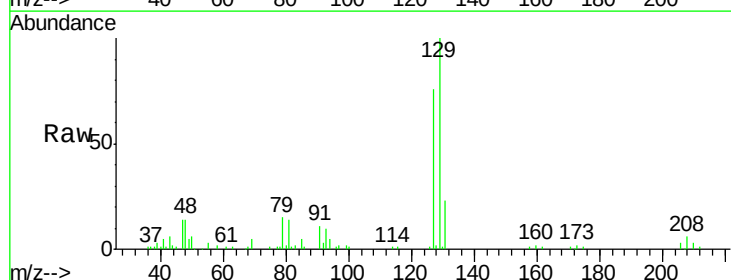
Manual Integrations
APPROVED

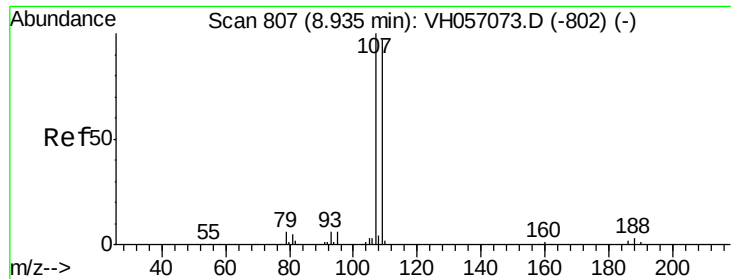
MMDadoda
9/22/2015 2:55:00 PM



#60
Dibromochloromethane
Concen: 17.25 ug/l
RT: 8.66 min Scan# 782
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion: 129 Resp: 240041
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 17.58 ug/l

RT: 8.92 min Scan# 807

Delta R.T. -0.02 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:107 Resp: 248402

Ion Ratio Lower Upper

107 100

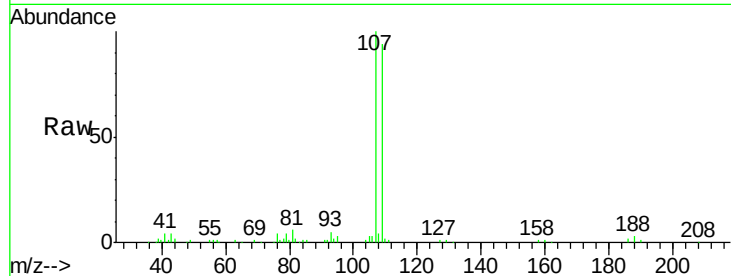
109 94.2 77.7 116.5

Manual Integrations

APPROVED

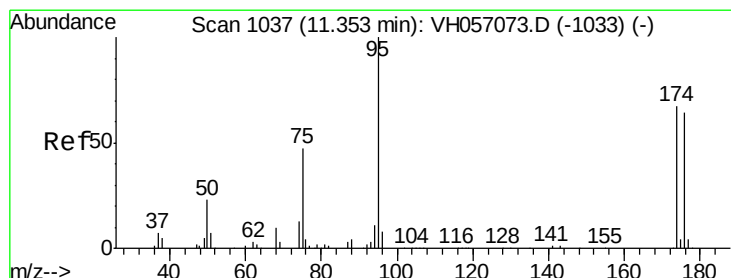
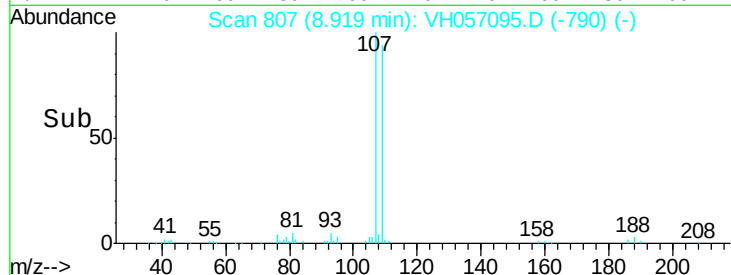
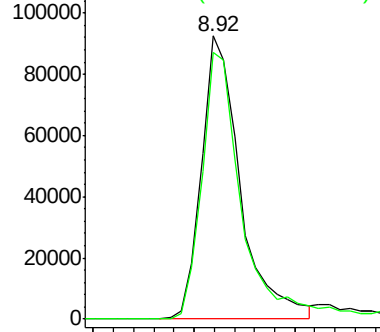
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.25 ug/l

RT: 11.35 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

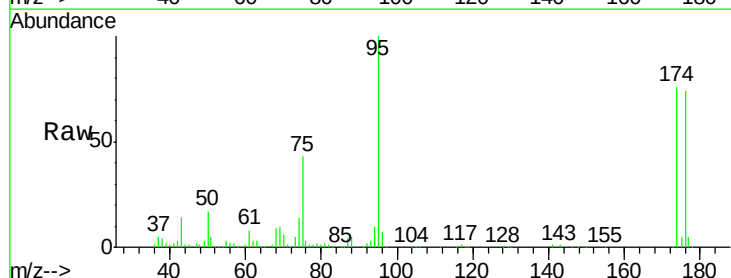
Tgt Ion: 95 Resp: 603099

Ion Ratio Lower Upper

95 100

174 76.3 58.4 87.6

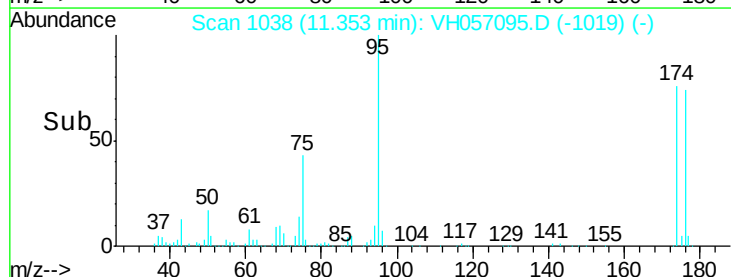
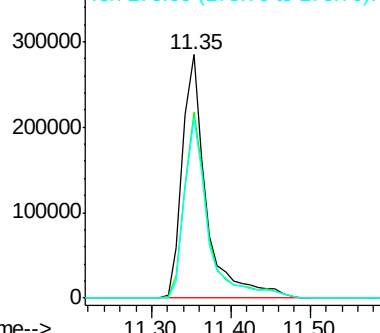
176 73.8 54.3 81.5

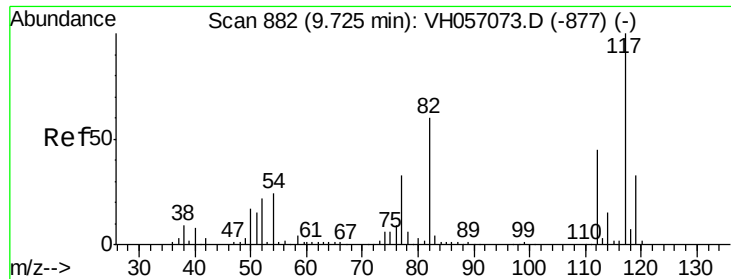


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





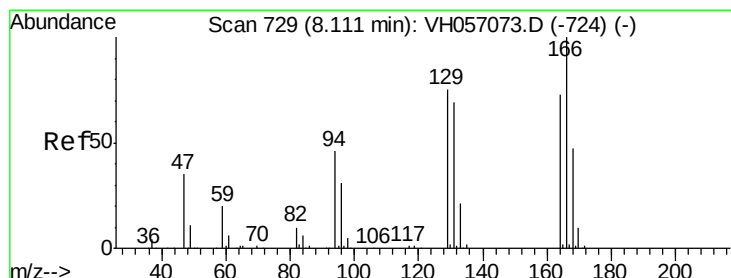
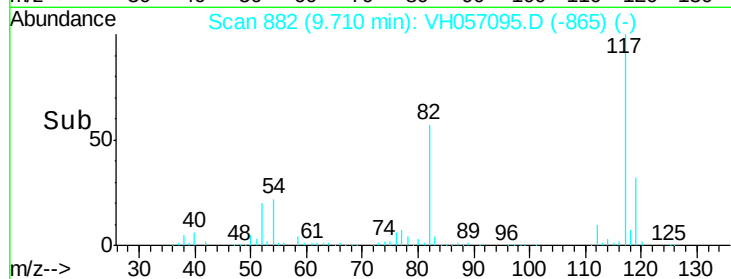
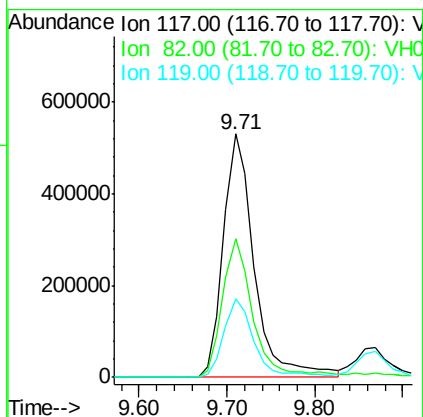
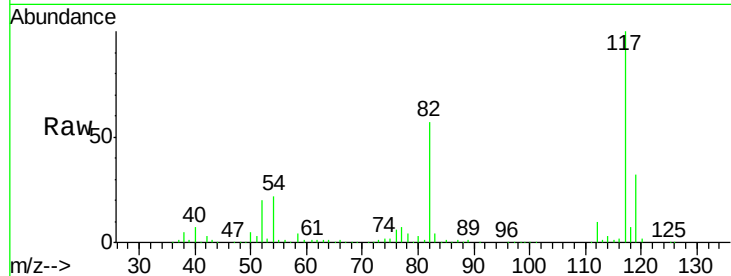
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.71 min Scan# 882
Delta R.T. -0.02 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion:117 Resp: 1296862
Ion Ratio Lower Upper
117 100
82 56.9 51.0 76.6
119 32.5 26.7 40.1

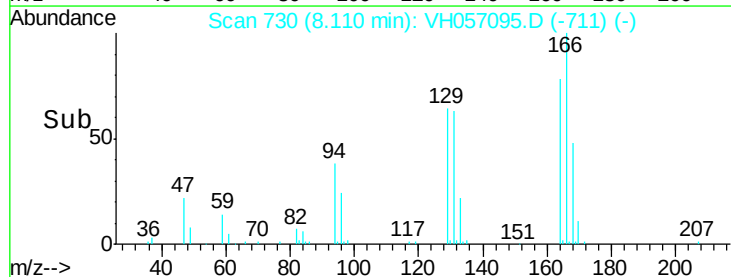
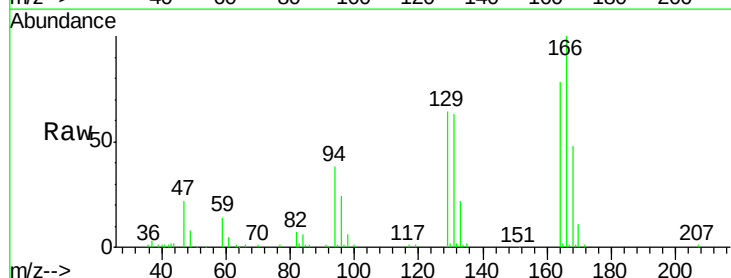
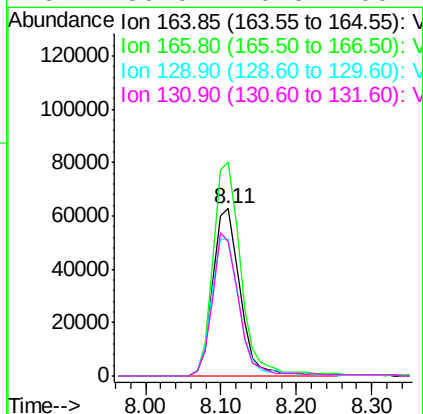
Manual Integrations
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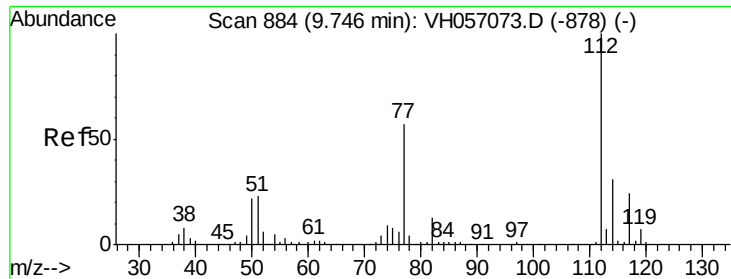
MMDadoda
9/22/2015 2:55:00 PM



#64
Tetrachloroethene
Concen: 21.31 ug/l
RT: 8.11 min Scan# 730
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion:164 Resp: 156601
Ion Ratio Lower Upper
164 100
166 127.7 103.2 154.8
129 82.0 73.4 110.0
131 80.0 70.8 106.2





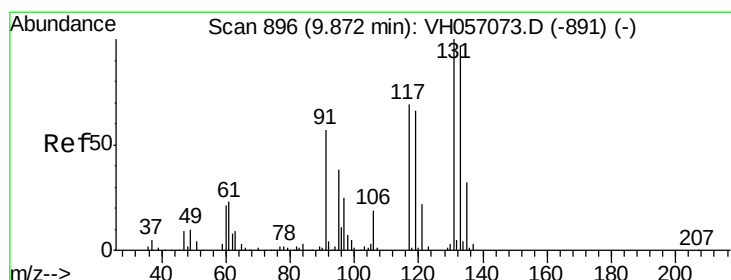
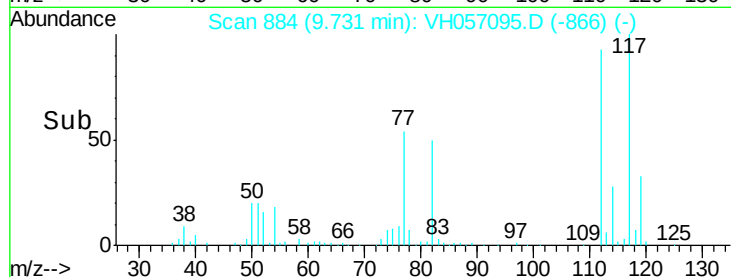
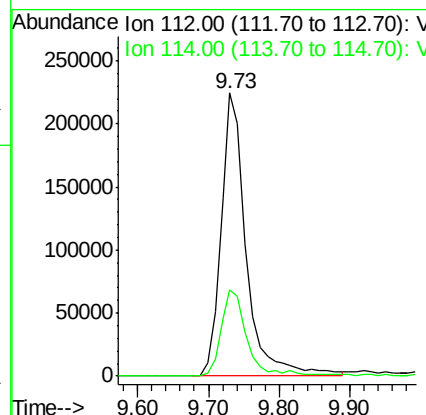
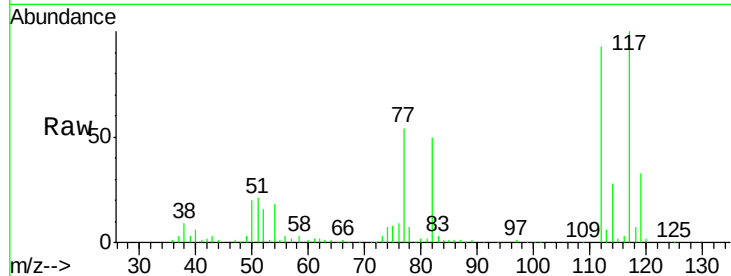
#65
Chlorobenzene
Concen: 19.80 ug/l
RT: 9.73 min Scan# 884
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	558608		
114	30.7	26.3	39.5	

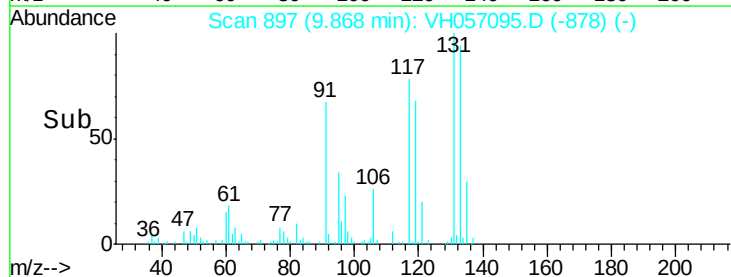
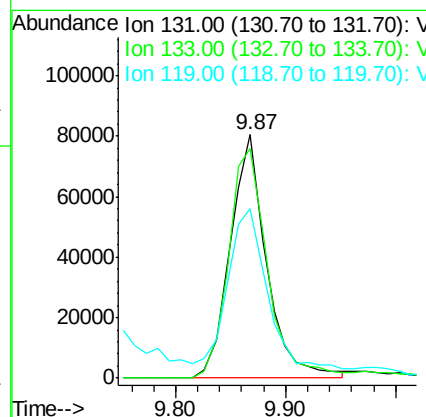
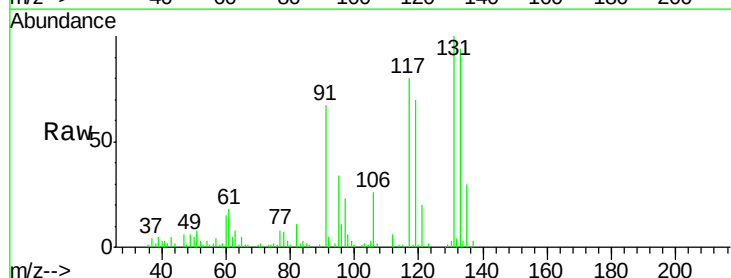
Manual Integrations
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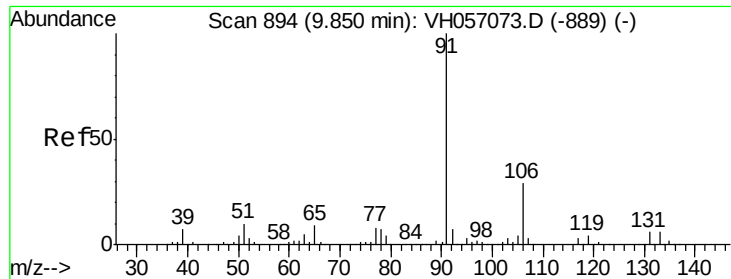
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.71 ug/l
RT: 9.87 min Scan# 897
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	182209		
133	94.2	51.1	153.3	
119	69.7	36.3	108.9	





#67

Ethyl Benzene

Concen: 19.16 ug/l

RT: 9.84 min Scan# 894

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:106 Resp: 258844

Ion Ratio Lower Upper

106 100

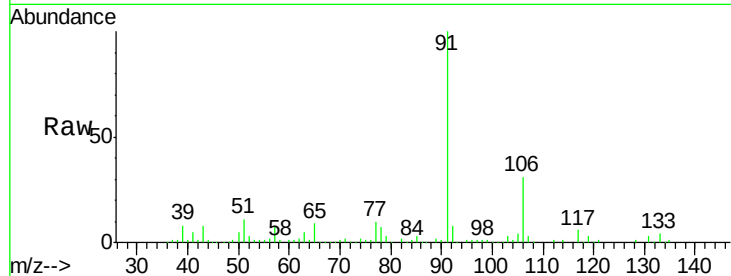
91 322.4 264.9 397.3

Manual Integrations

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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0

400000

300000

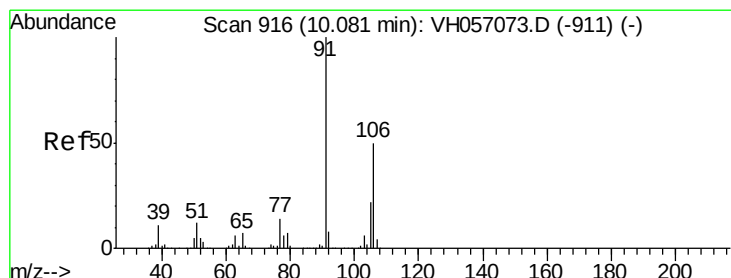
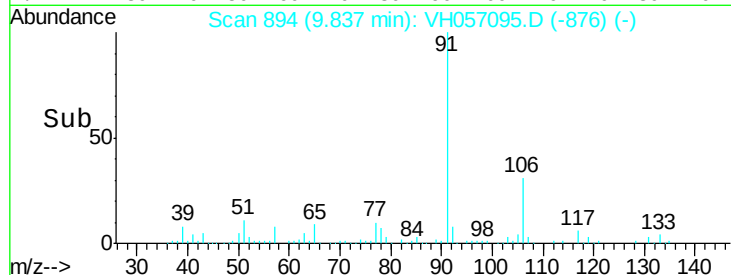
200000

100000

0

9.80 9.90

Time-->



#68

m/p-Xylenes

Concen: 38.58 ug/l

RT: 10.07 min Scan# 916

Delta R.T. -0.01 min

Lab File: VH057095.D

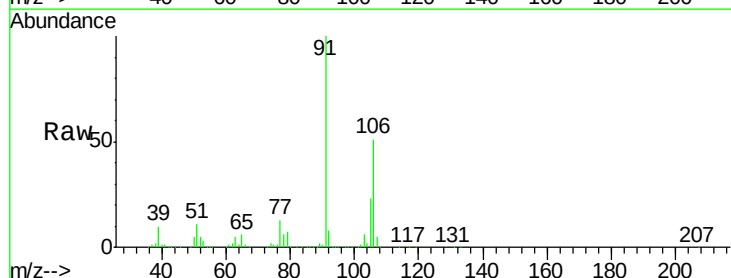
Acq: 21 Sep 2015 17:06

Tgt Ion:106 Resp: 633902

Ion Ratio Lower Upper

106 100

91 196.9 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0

600000

500000

400000

300000

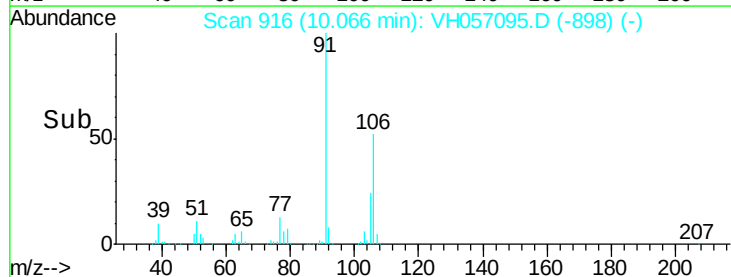
200000

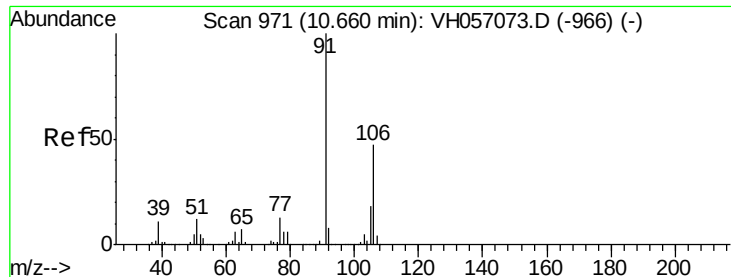
100000

0

10.00 10.20

Time-->





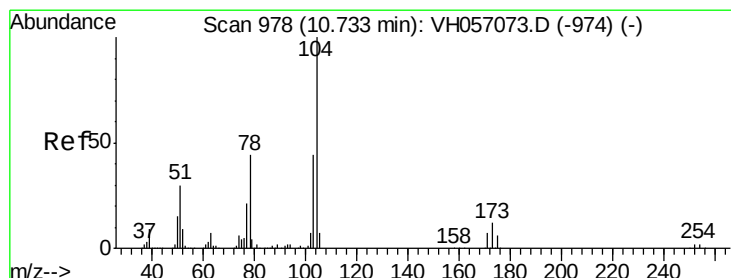
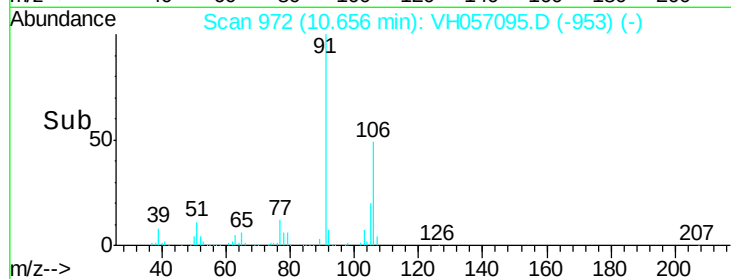
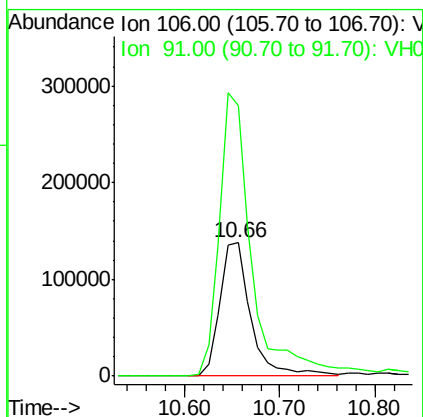
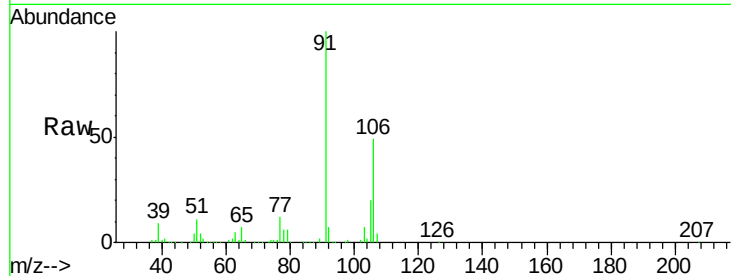
#69
o-Xylene
Concen: 19.92 ug/l
RT: 10.66 min Scan# 972
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.4	104.2	312.6		

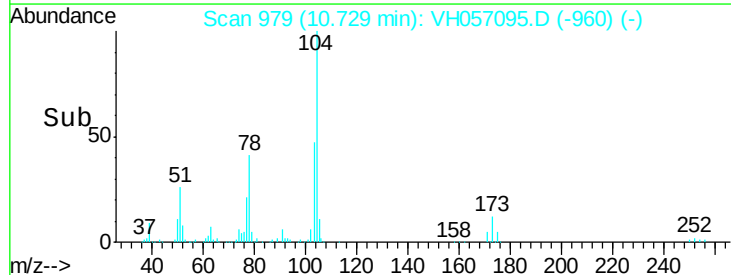
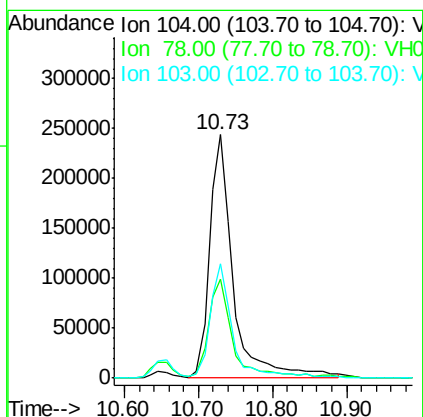
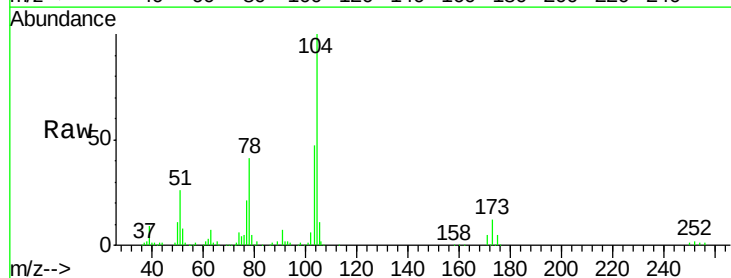
Manual Integrations
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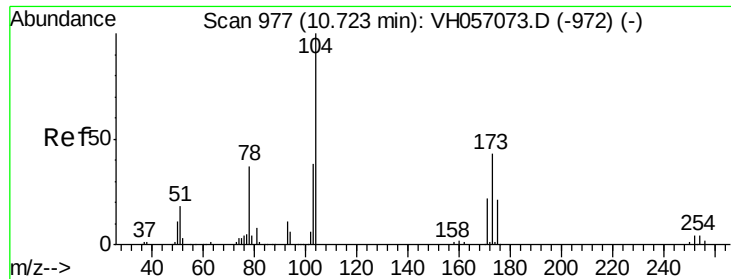
MMDadoda
9/22/2015 2:55:00 PM



#70
Styrene
Concen: 19.44 ug/l
RT: 10.73 min Scan# 979
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	40.7	35.2	52.8		
103	46.8	35.8	53.6		





#71

Bromoform

Concen: 17.33 ug/l

RT: 10.71 min Scan# 977

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:173 Resp: 144382

Ion Ratio Lower Upper

173 100

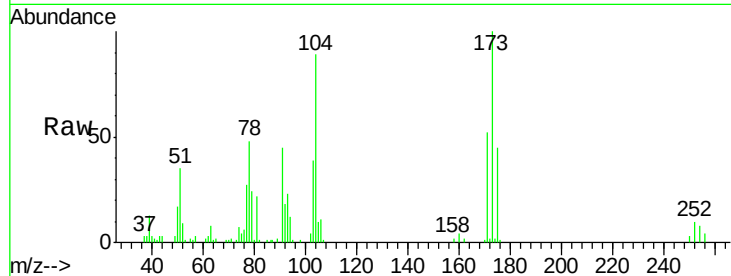
175 45.1 23.3 69.9

254 7.8 4.4 13.2

Manual Integrations
APPROVED

MMDadoda

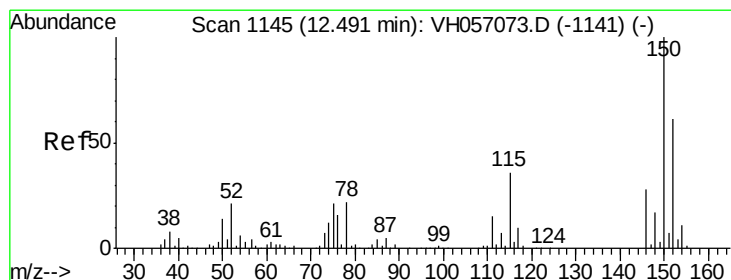
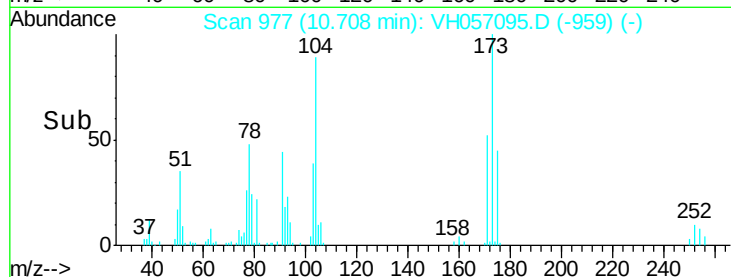
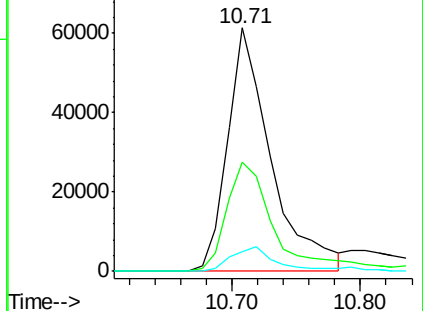
9/22/2015 2:55:00 PM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

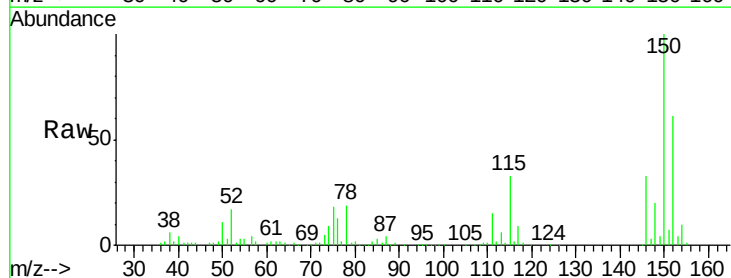
Tgt Ion:152 Resp: 343425

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

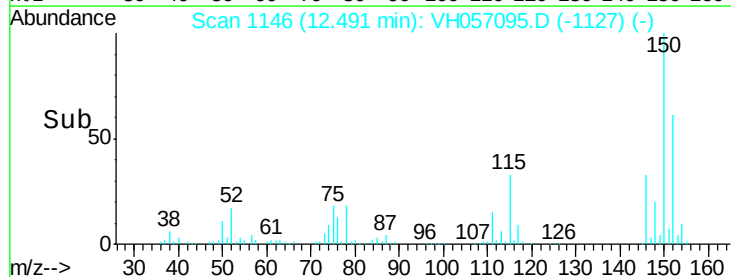
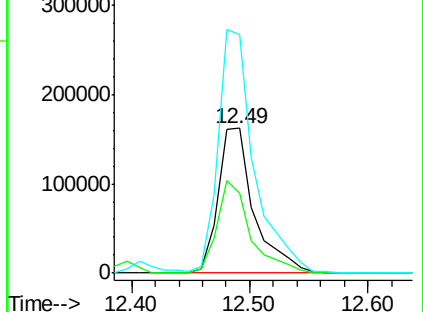
150 164.7 0.0 332.0

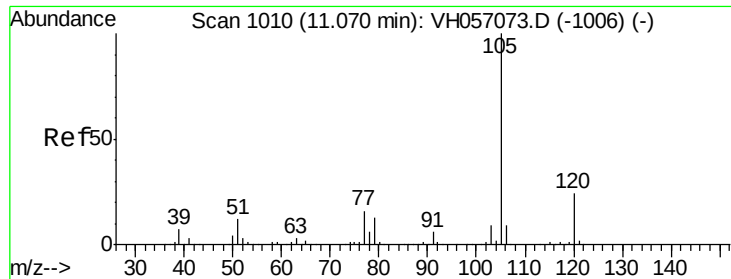


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.62 ug/l

RT: 11.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:105 Resp: 615191

Ion Ratio Lower Upper

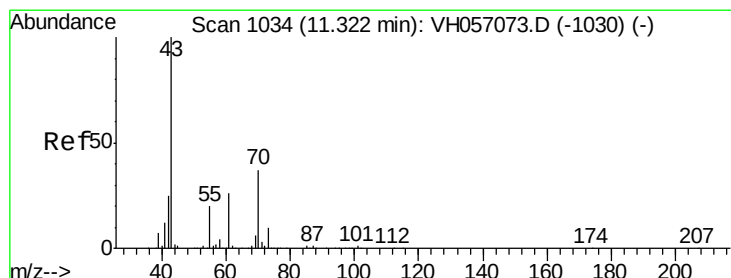
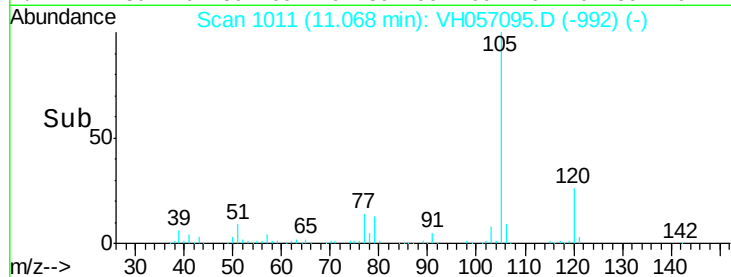
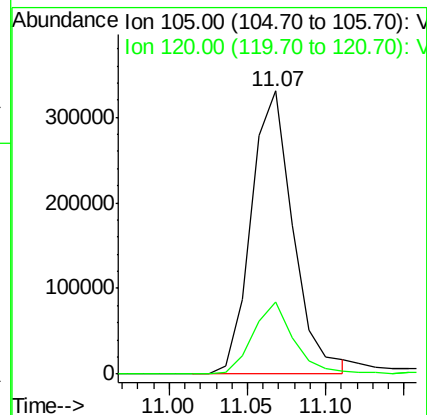
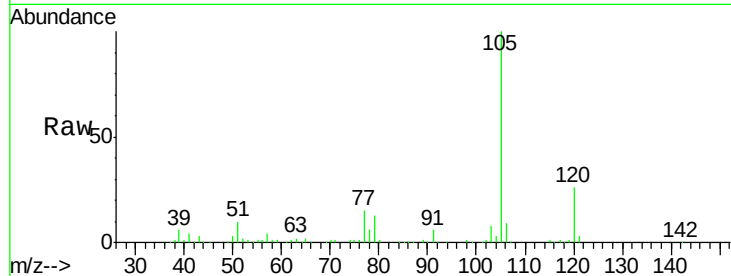
105 100

120 25.7 12.2 36.4

Manual Integrations
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#74

n-Amyl Acetate

Concen: 18.24 ug/l

RT: 11.32 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion: 43 Resp: 607756

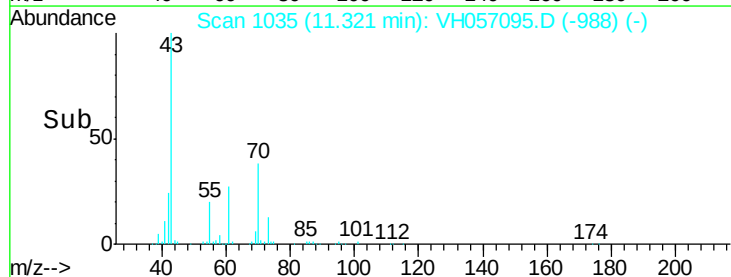
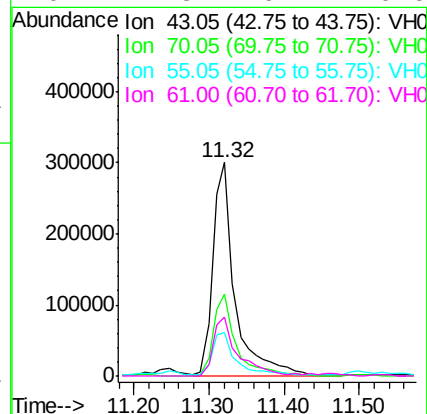
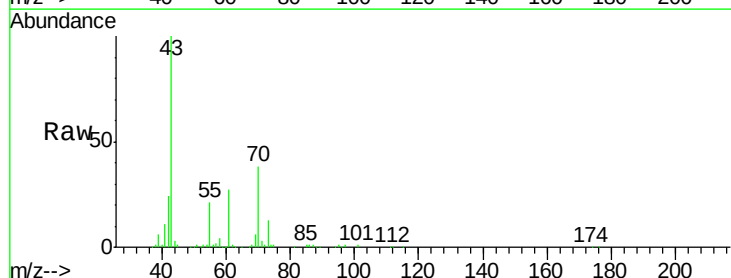
Ion Ratio Lower Upper

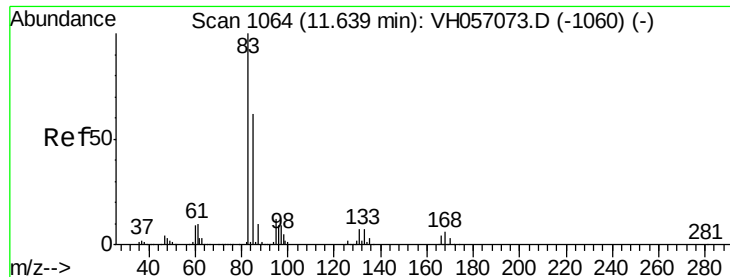
43 100

70 38.3 27.3 40.9

55 20.6 15.3 22.9

61 27.3 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.33 ug/l

RT: 11.64 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 83 Resp: 334361

Ion Ratio Lower Upper

83 100

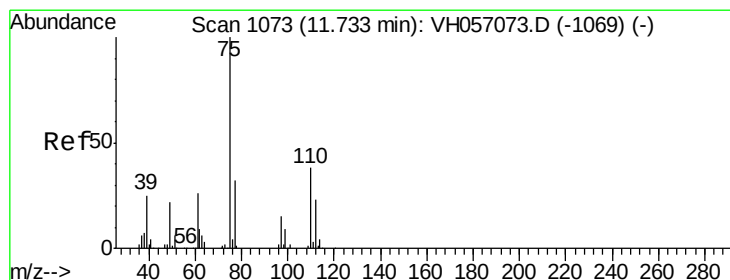
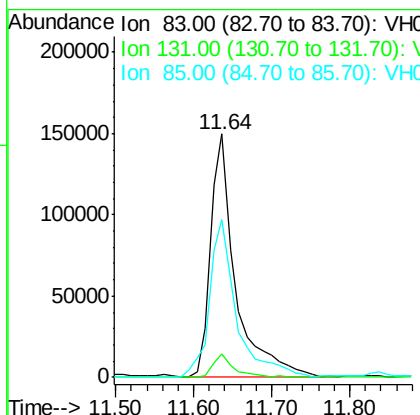
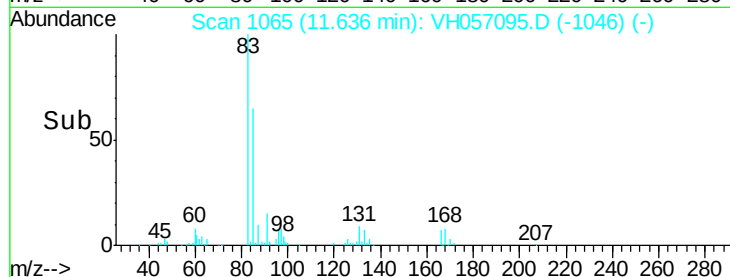
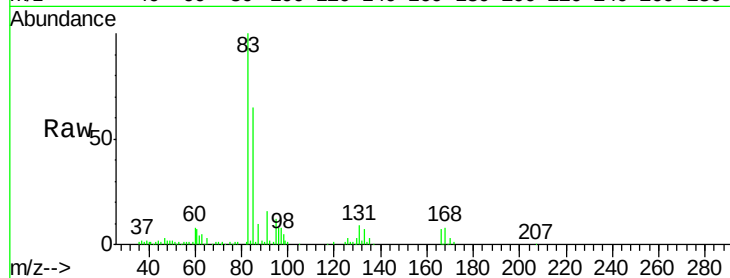
131 9.4 3.1 9.3#

85 64.8 32.3 96.8

Manual Integrations
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9/22/2015 2:55:00 PM



#76

1,2,3-Trichloropropane

Concen: 18.73 ug/l

RT: 11.73 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VH057095.D

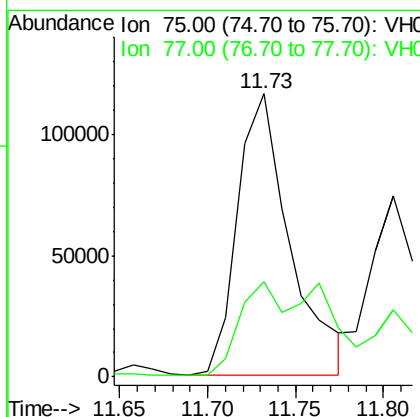
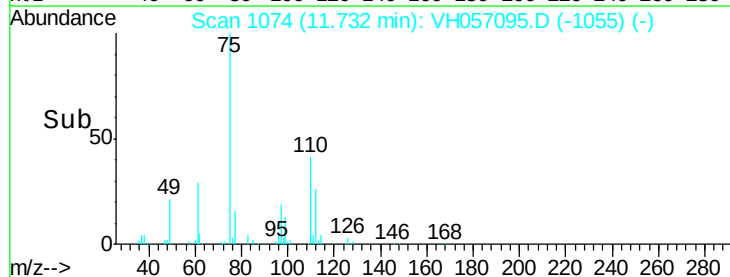
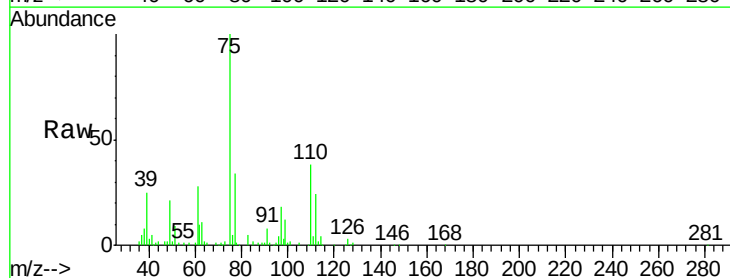
Acq: 21 Sep 2015 17:06

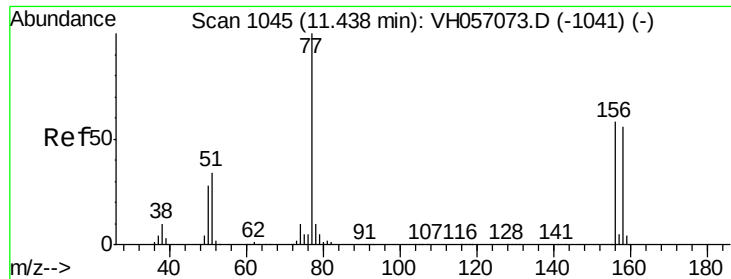
Tgt Ion: 75 Resp: 241635

Ion Ratio Lower Upper

75 100

77 33.8 14.9 44.9





#77

Bromobenzene

Concen: 21.44 ug/l

RT: 11.43 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

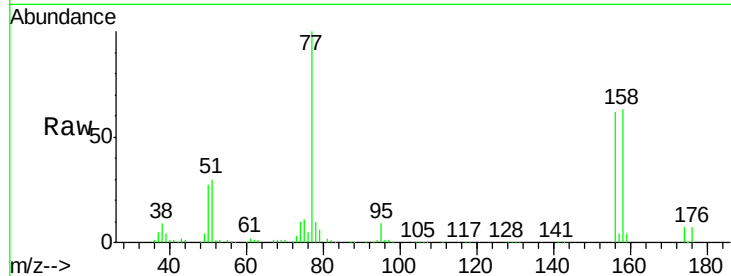
ClientSampleId :

VH0921MBS02

Tot Ion:	156	Resp:	191416
Ion Ratio	Lower	Upper	
156	100		
77	160.2	73.5	220.5
158	100.8	46.8	140.3

Manual Integrations
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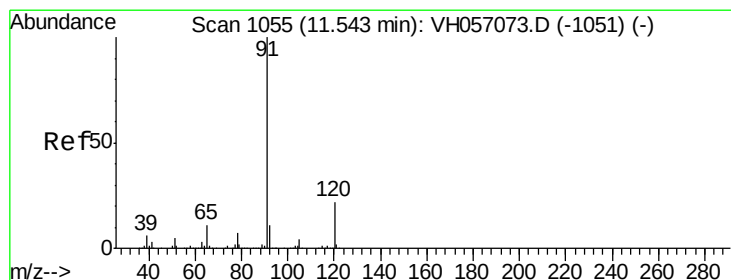
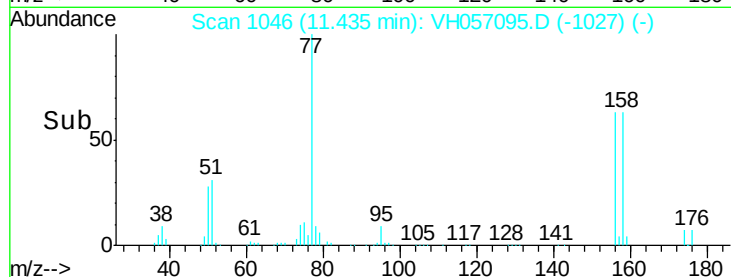
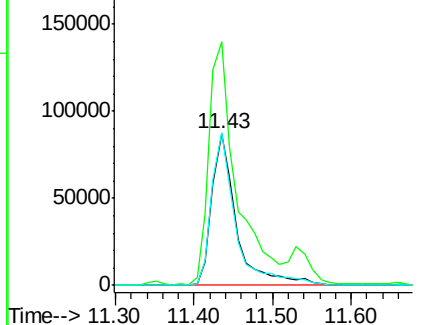
MMDadoda
9/22/2015 2:55:00 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VH0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.86 ug/l

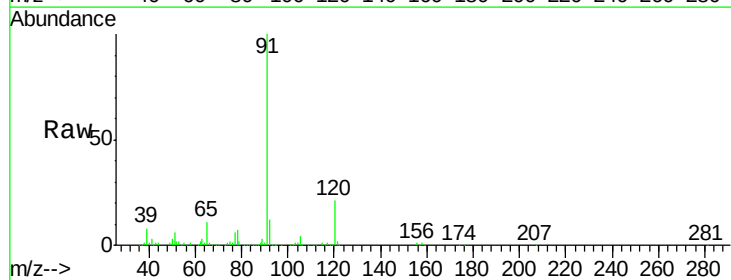
RT: 11.53 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VH057095.D

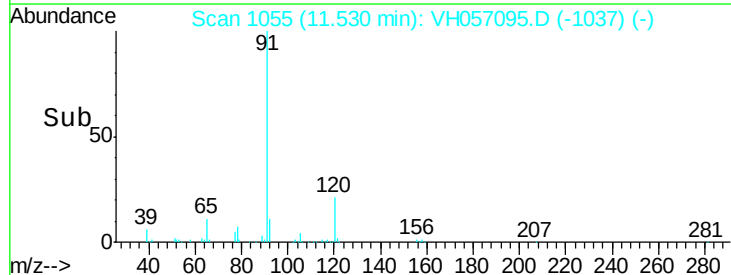
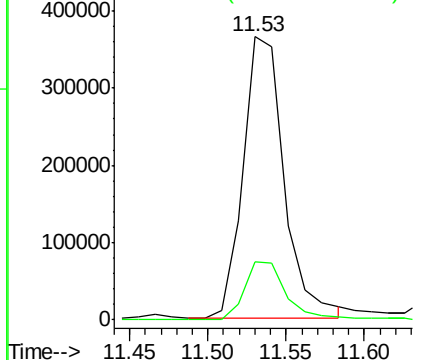
Acq: 21 Sep 2015 17:06

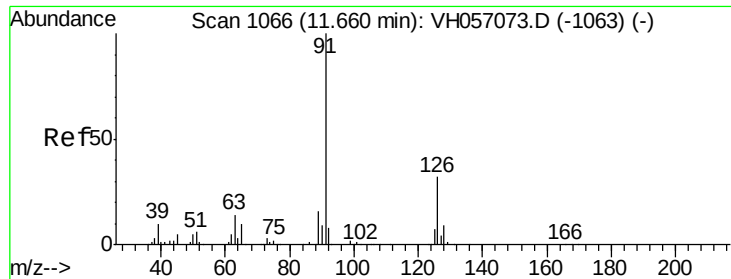
Tgt Ion:	91	Resp:	665941
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.2	30.6



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.53 ug/l

RT: 11.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion: 91 Resp: 374844

Ion Ratio Lower Upper

91 100

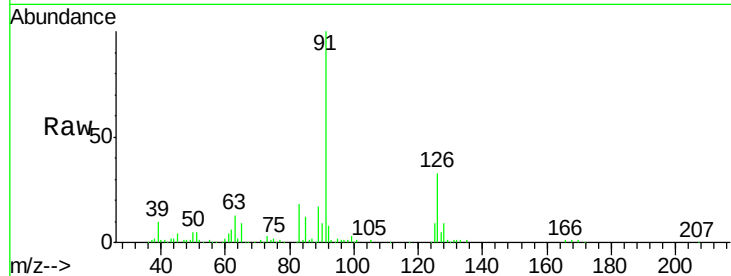
126 32.6 16.3 48.9

Manual Integrations

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

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

11.66

250000

200000

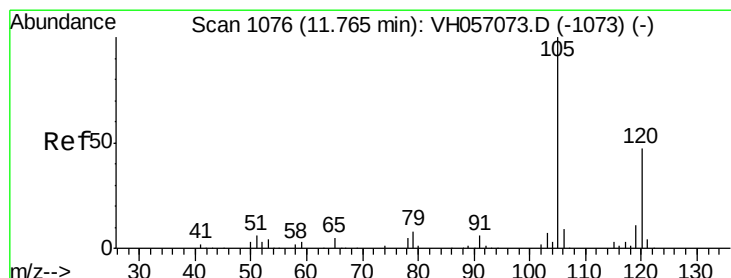
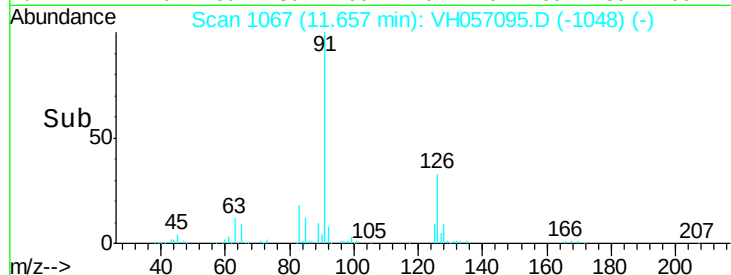
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.01 ug/l

RT: 11.76 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VH057095.D

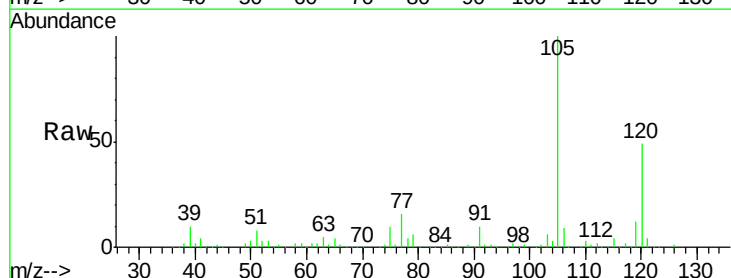
Acq: 21 Sep 2015 17:06

Tgt Ion: 105 Resp: 410067

Ion Ratio Lower Upper

105 100

120 48.5 23.6 71.0



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

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

11.76

250000

200000

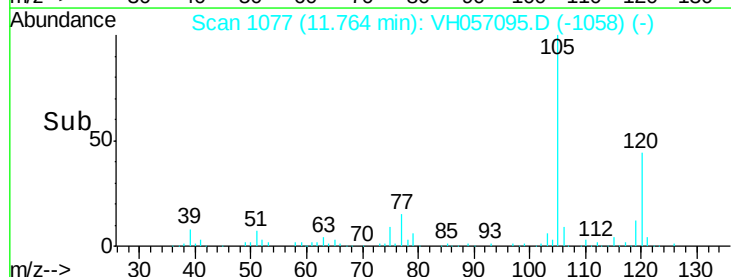
150000

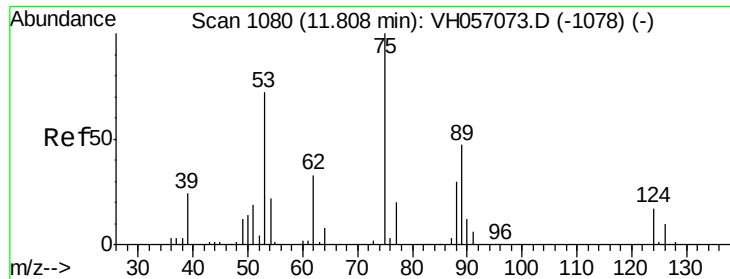
100000

50000

0

Time-->





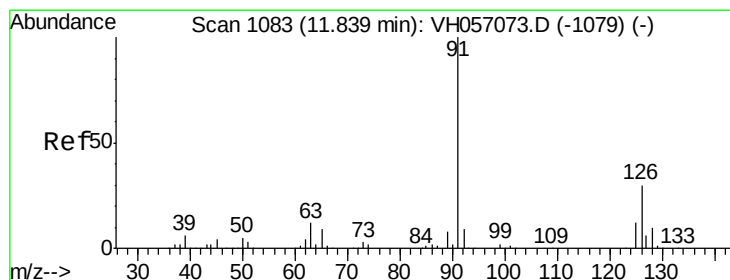
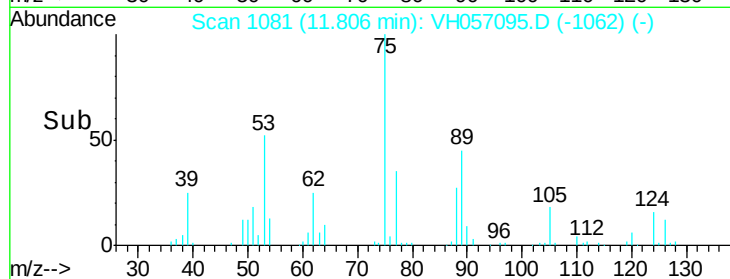
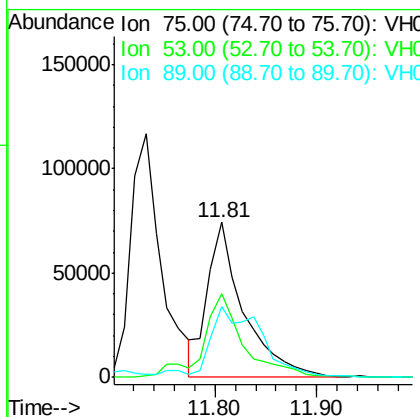
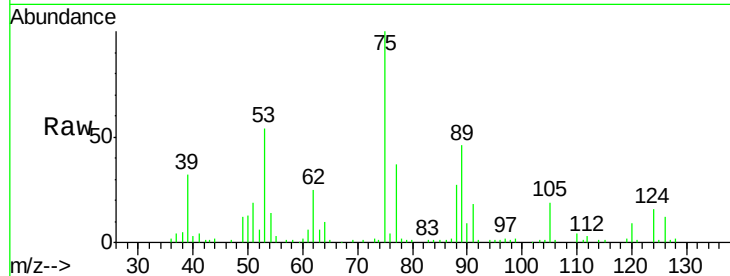
#81
trans-1,4-Dichloro-2-Butene
Concen: 19.29 ug/l
RT: 11.81 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	53.7	32.0	96.2
89	45.7	21.1	63.3

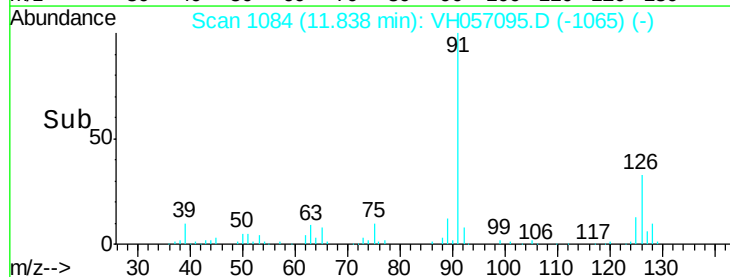
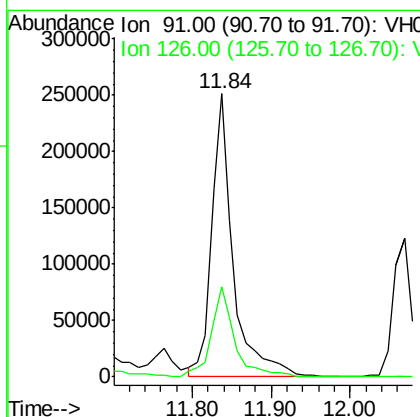
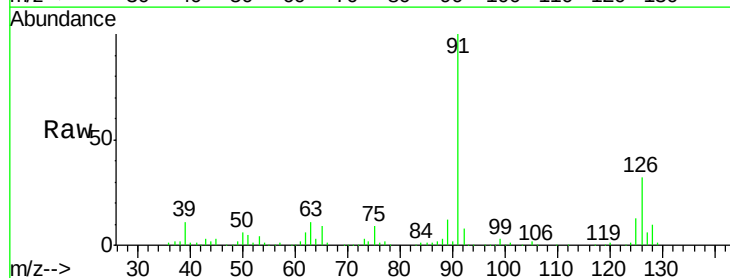
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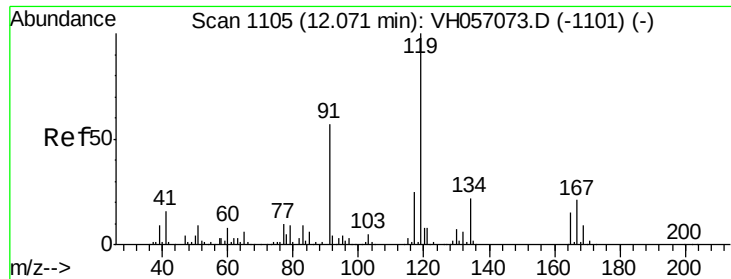
MMDadoda
9/22/2015 2:55:00 PM



#82
4-Chlorotoluene
Concen: 19.77 ug/l
RT: 11.84 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.0	51.0





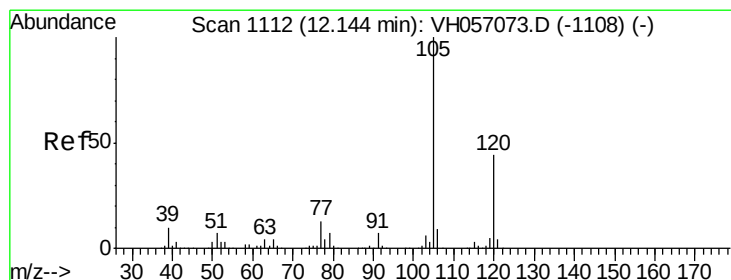
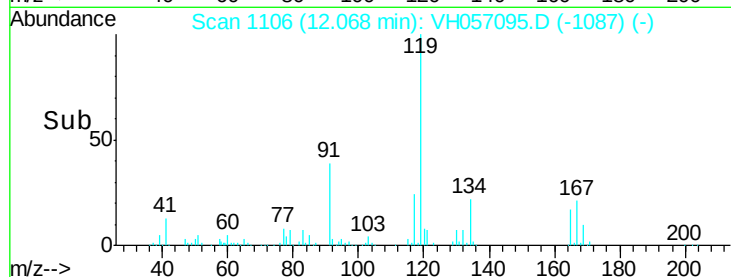
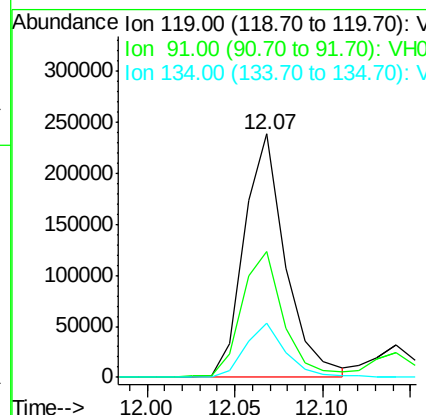
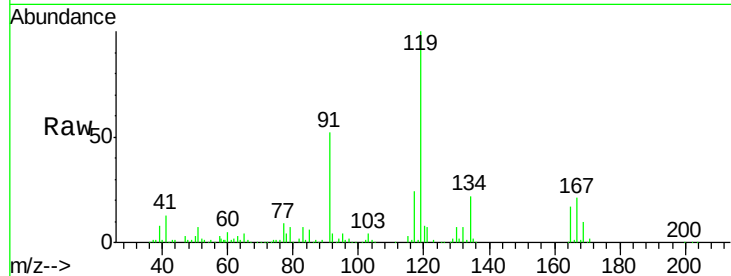
#83
 tert-Butylbenzene
 Concen: 20.23 ug/l
 RT: 12.07 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	391408		
91	51.8	28.5	85.6	
134	22.4	11.5	34.5	

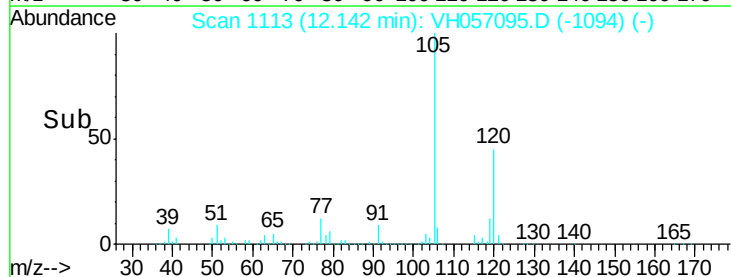
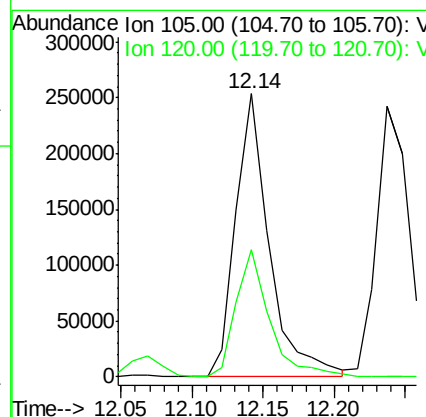
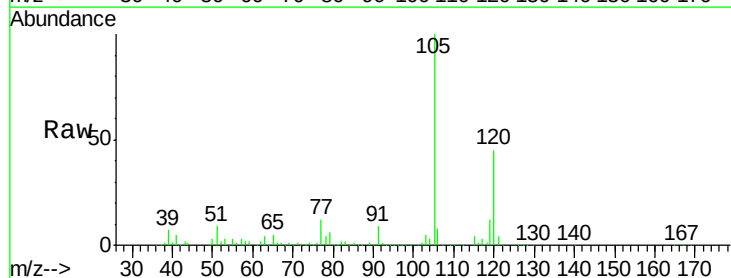
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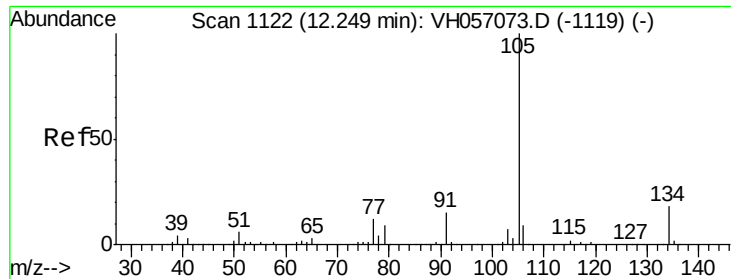
MMDadoda
 9/22/2015 2:55:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.43 ug/l
 RT: 12.14 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	411056		
120	45.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.61 ug/l

RT: 12.24 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBS02

Tot Ion:105 Resp: 405780

Ion Ratio Lower Upper

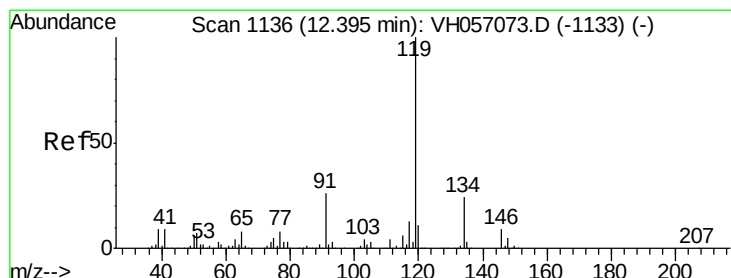
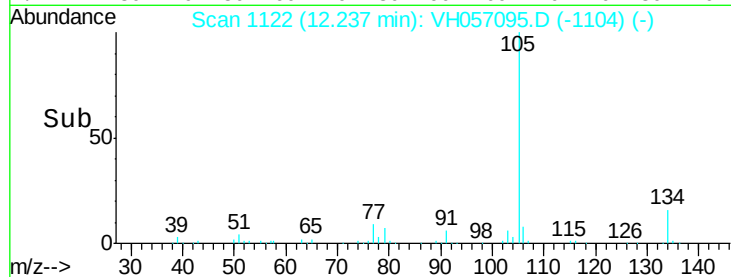
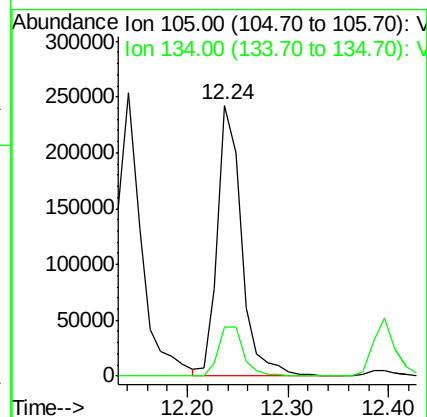
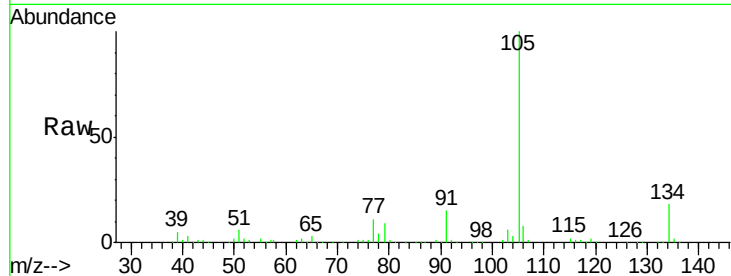
105 100

134 18.4 9.1 27.3

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#86

p-Isopropyltoluene

Concen: 20.04 ug/l

RT: 12.40 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

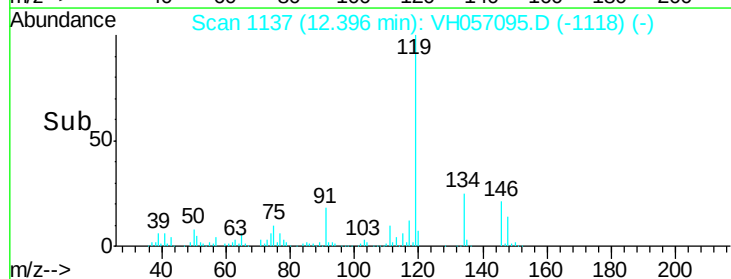
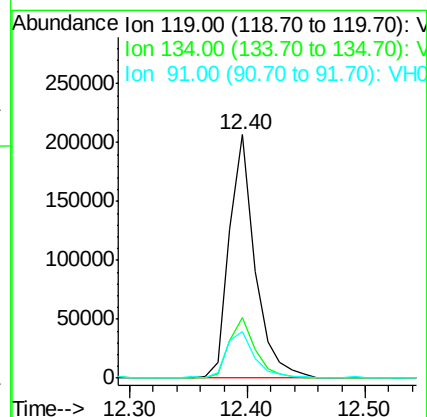
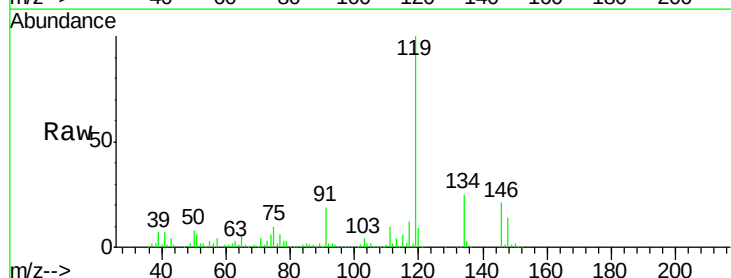
Tgt Ion:119 Resp: 314790

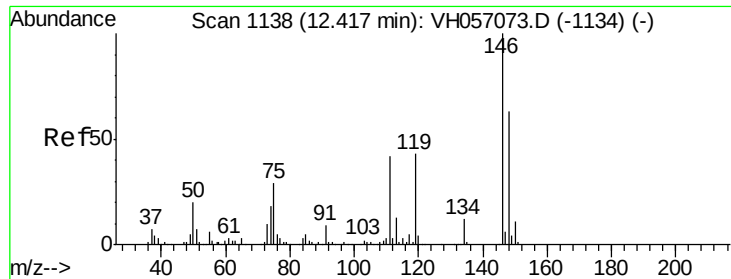
Ion Ratio Lower Upper

119 100

134 24.9 13.0 38.9

91 19.0 12.5 37.5





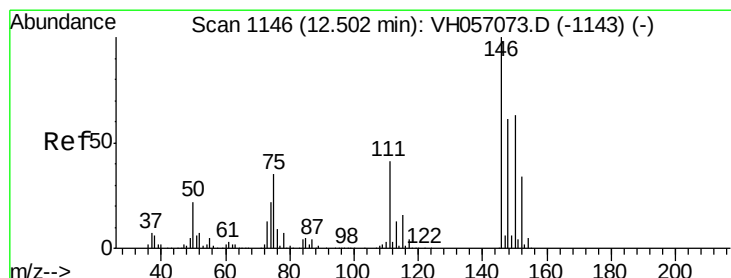
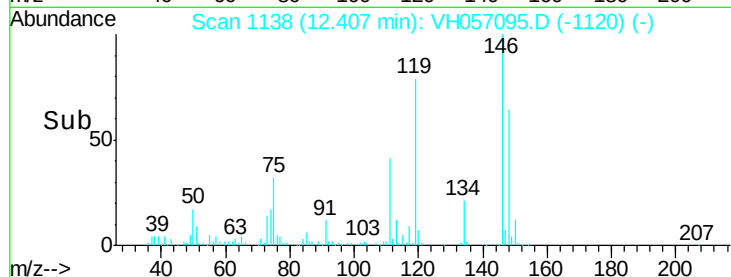
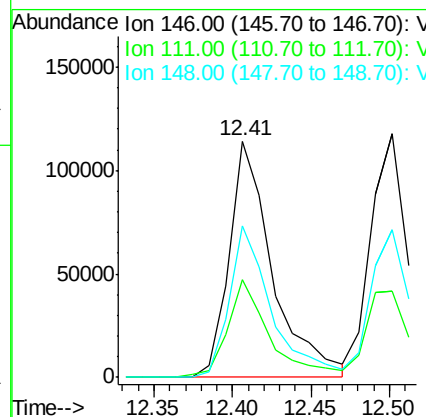
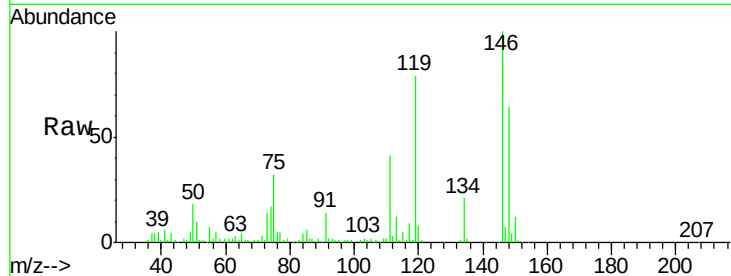
#87
 1,3-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 12.41 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.0	63.0
148	64.1	31.6	94.7

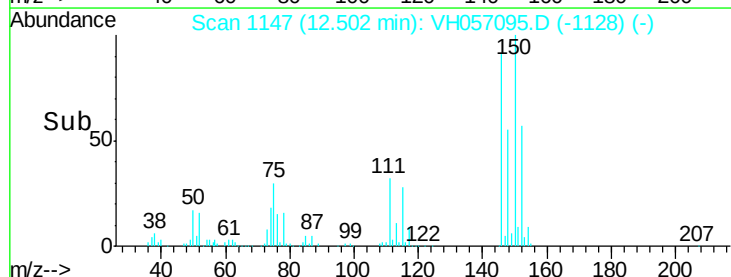
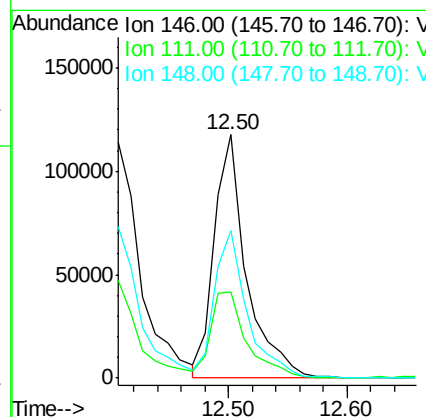
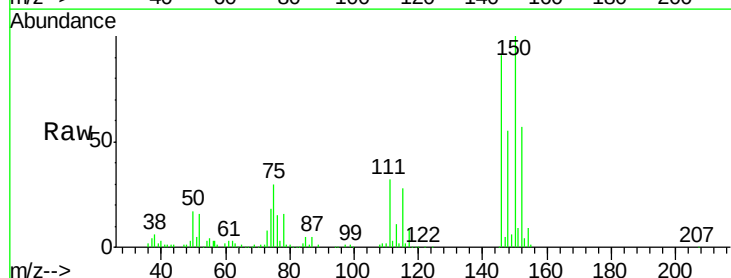
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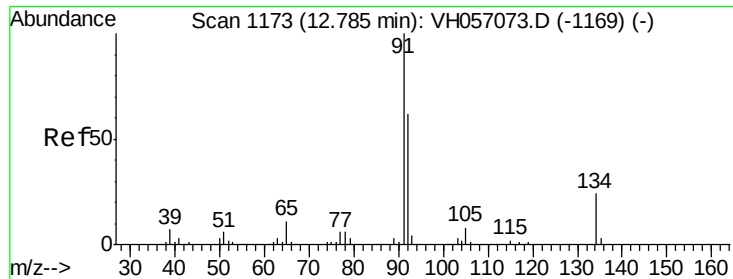
MMDadoda
 9/22/2015 2:55:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 12.50 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.8	59.3
148	60.4	30.3	90.9





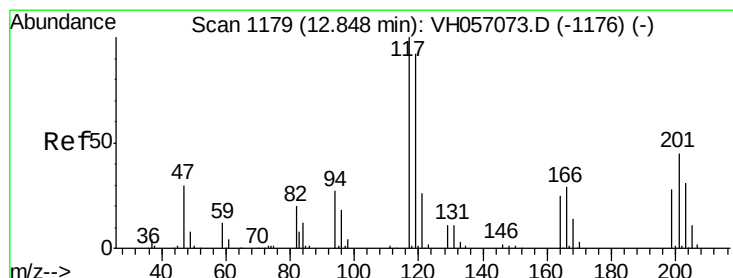
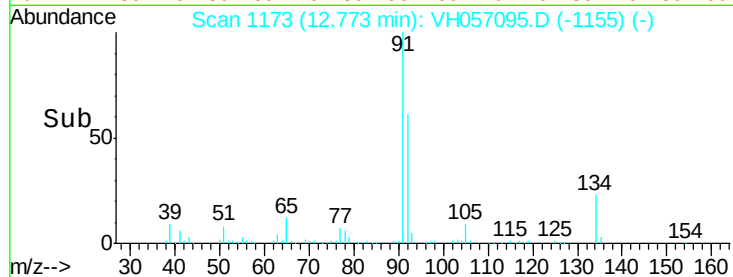
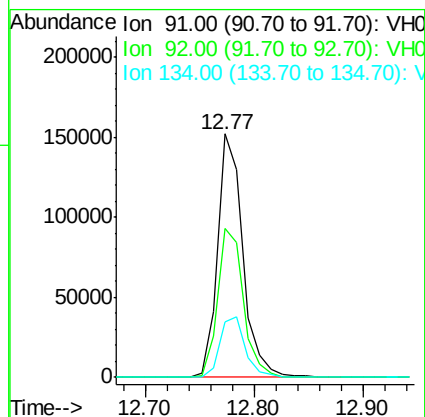
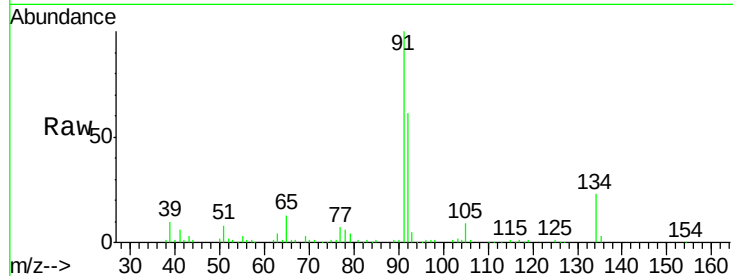
#89
n-Butylbenzene
Concen: 19.36 ug/l
RT: 12.77 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Instrument :
MSVOA_H
ClientSampleId :
VH0921MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.9	31.3	93.9
134	22.5	10.5	31.6

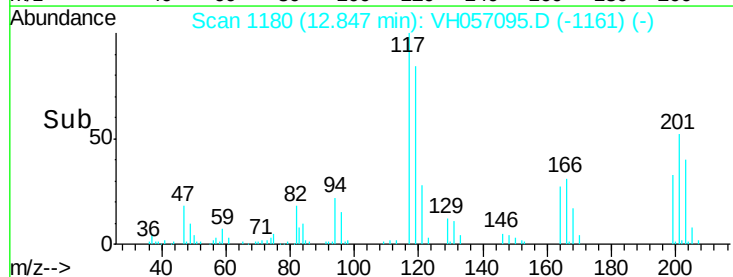
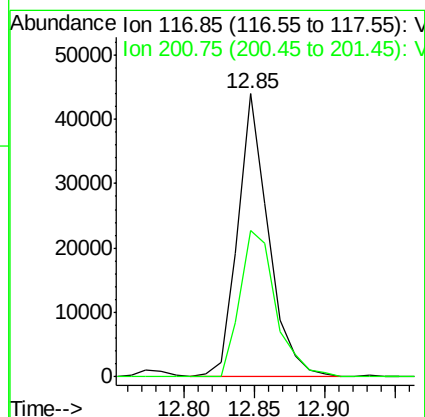
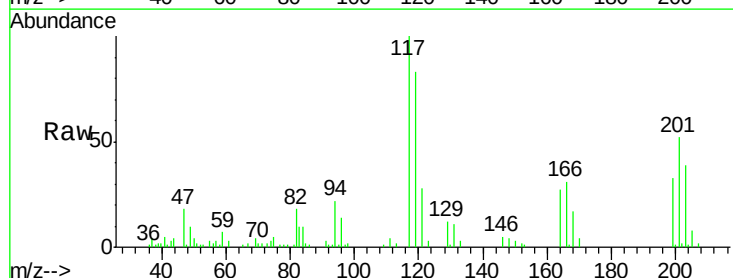
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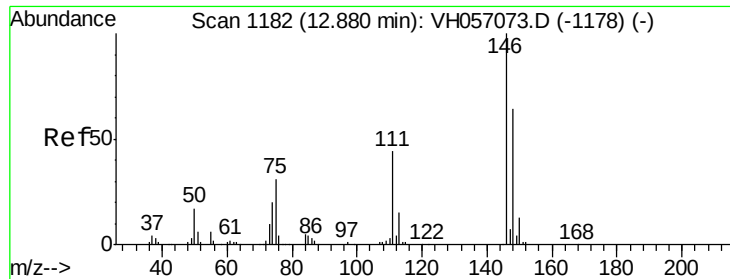
MMDadoda
9/22/2015 2:55:00 PM



#90
Hexachloroethane
Concen: 20.38 ug/l
RT: 12.85 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VH057095.D
Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.6	14.0	80.8





#91

1,2-Dichlorobenzene

Concen: 20.10 ug/l

RT: 12.87 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

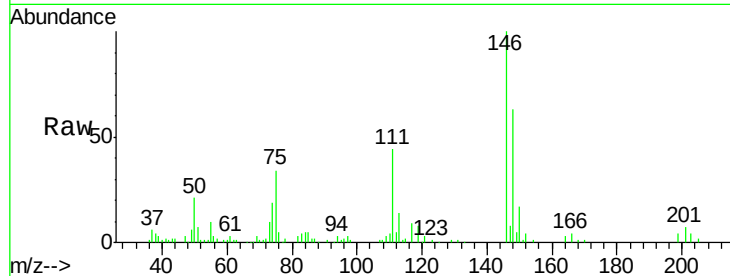
ClientSampleId :

VH0921MBS02

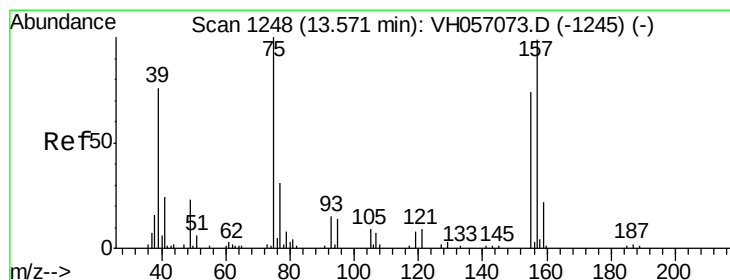
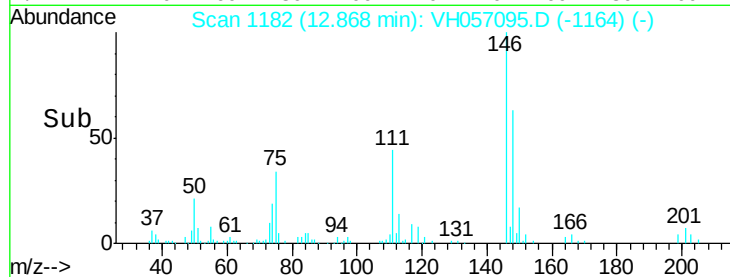
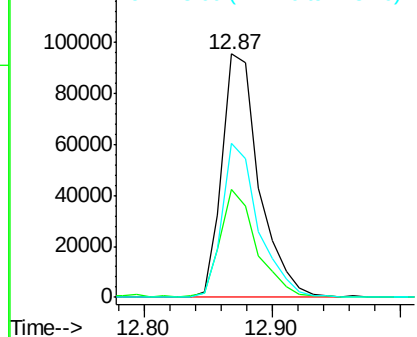
Tot Ion:	146	Resp:	192904
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.1	66.1
148	63.0	31.4	94.3

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.75 ug/l

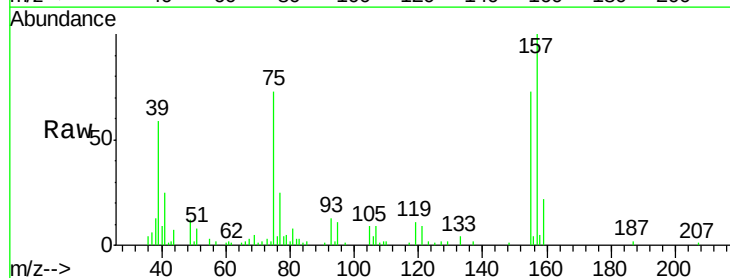
RT: 13.57 min Scan# 1249

Delta R.T. 0.00 min

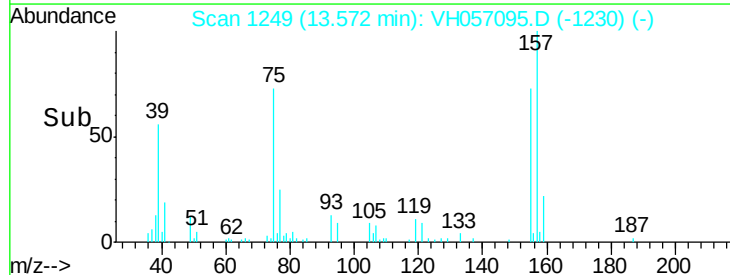
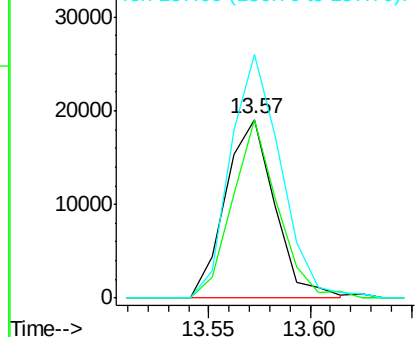
Lab File: VH057095.D

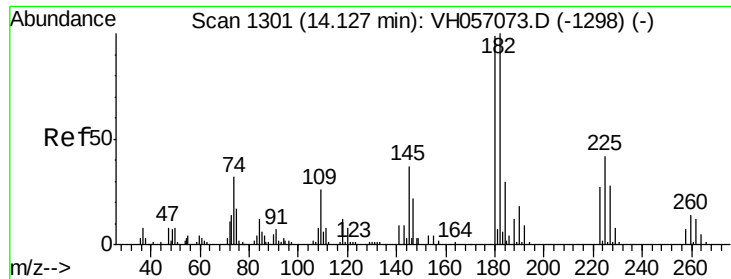
Acq: 21 Sep 2015 17:06

Tgt Ion:	75	Resp:	32721
Ion Ratio	Lower	Upper	
75	100		
155	100.0	43.4	130.2
157	136.5	62.8	188.4



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





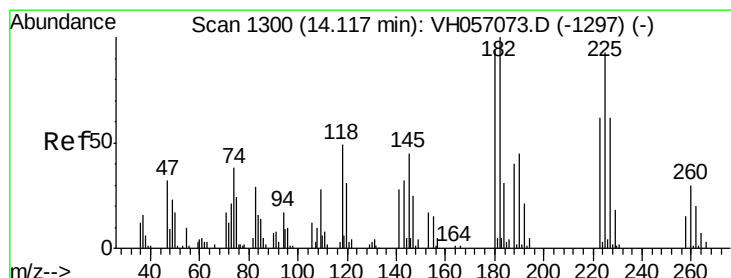
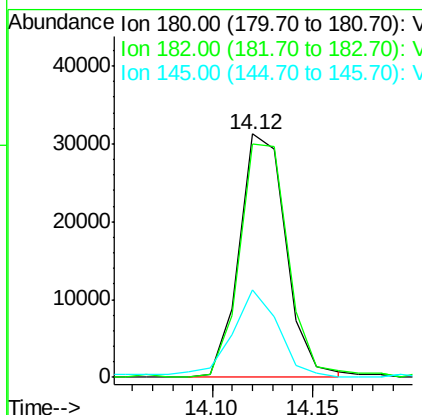
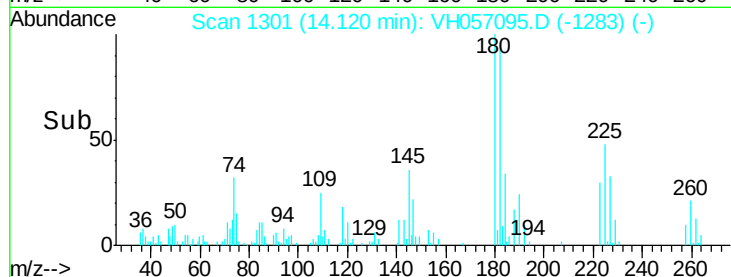
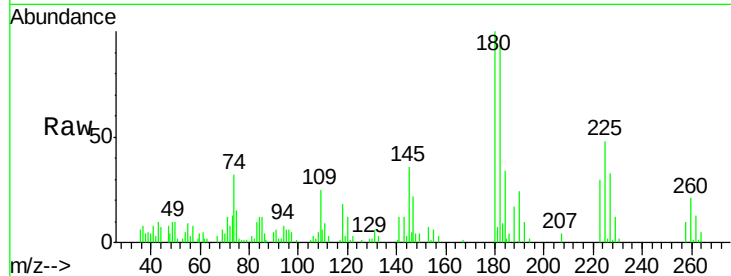
#93
 1,2,4-Trichlorobenzene
 Concen: 25.42 ug/l
 RT: 14.12 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50400		
182	95.7	43.0	129.2	
145	36.1	17.3	52.0	

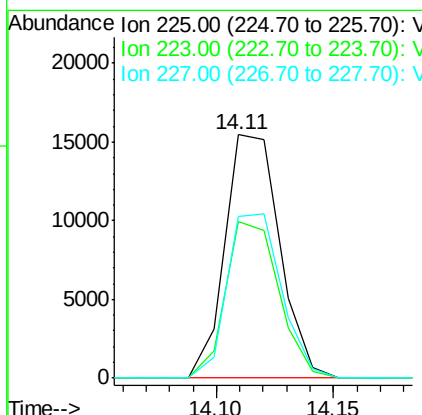
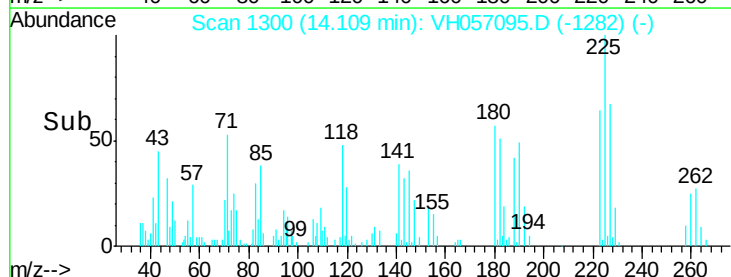
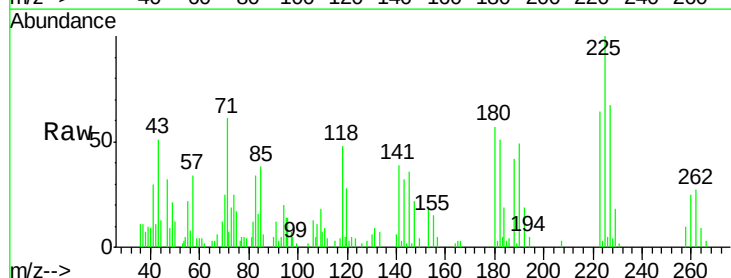
Manual Integrations
 APPROVED

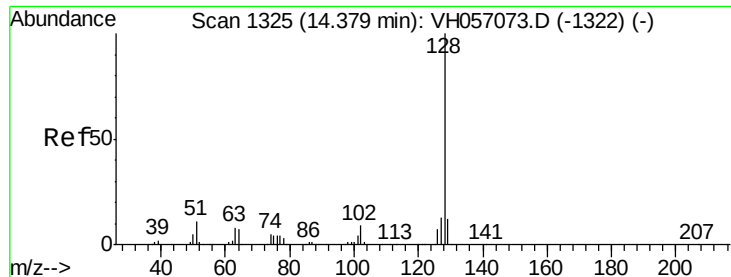
MMDadoda
 9/22/2015 2:55:00 PM



#94
 Hexachlorobutadiene
 Concen: 25.39 ug/l
 RT: 14.11 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VH057095.D
 Acq: 21 Sep 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25209		
223	64.3	30.3	90.8	
227	66.6	30.5	91.5	





#95

Naphthalene

Concen: 29.63 ug/l

RT: 14.37 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Instrument :

MSVOA_H

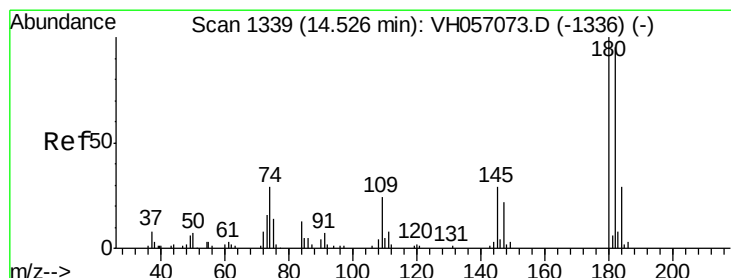
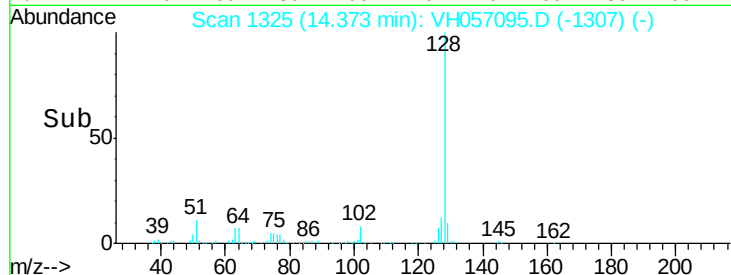
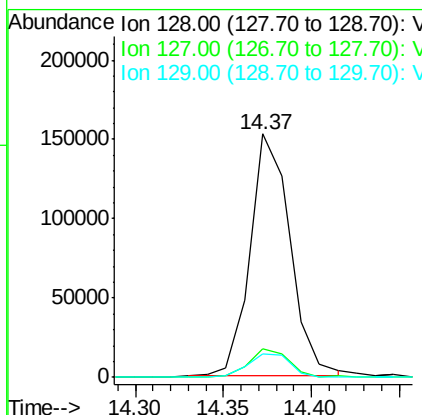
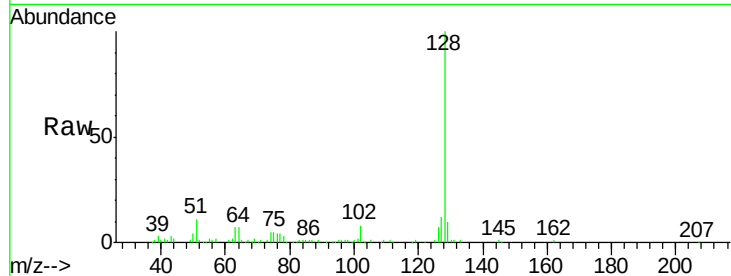
ClientSampleId :

VH0921MBS02

Tot Ion:	128	Resp:	239440
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.6	14.4
129	9.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:55:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 29.98 ug/l

RT: 14.52 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VH057095.D

Acq: 21 Sep 2015 17:06

Tgt Ion:	180	Resp:	40204
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.1	141.3
145	30.5	12.5	37.5

