

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057103.D
 Acq On : 22 Sep 2015 13:40
 Operator : SY/FY
 Sample : VH0922MBS01
 Misc : 5.00g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2015 11:46:47 AM

Quant Time: Sep 23 04:53:39 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	4.81	168	963591	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.54	114	1646726	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.71	117	1306378	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	400109	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.79	65	703956	40.91	ug/l	-0.02
Spiked Amount	50.000	Range	66 - 150	Recovery	=	81.82%	
35) Dibromofluoromethane		4.05	113	627781	47.88	ug/l	-0.03
Spiked Amount	50.000	Range	76 - 130	Recovery	=	95.76%	
48) Toluene-d8		7.50	98	1716700	45.54	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	91.08%	
62) 4-Bromofluorobenzene		11.34	95	605488	47.62	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	95.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	213122	17.92	ug/l	91
3) Chloromethane	1.02	50	250257	16.32	ug/l	97
4) Vinyl Chloride	1.09	62	212232	16.75	ug/l	100
5) Bromomethane	1.26	94	112312	16.64	ug/l	97
6) Chloroethane	1.35	64	104894	17.63	ug/l	94
7) Trichlorofluoromethane	1.40	101	173230m	14.61	ug/l	
8) Tert butyl alcohol	2.53	59	274094	88.72	ug/l #	96
9) Diethyl Ether	1.60	74	119588	20.41	ug/l	69
10) Diisopropyl ether	2.76	45	724157	16.86	ug/l #	92
11) 1,1-Dichloroethene	1.76	96	185175m	20.83	ug/l	
12) Methyl Iodide	1.85	142	347901m	22.21	ug/l	
13) Acrolein	1.96	56	91145	49.33	ug/l #	82
14) 1,1,2-Trichlorotrifluoroet	1.79	101	169664	19.59	ug/l	91
15) Acrylonitrile	2.90	53	512219	90.91	ug/l	95
16) Allyl Chloride	2.05	41	329378	17.97	ug/l	96
17) Acetone	2.20	43	625475	67.68	ug/l	97
18) Carbon Disulfide	1.77	76	509160	19.42	ug/l	99
19) Methyl Acetate	2.31	43	799189	17.85	ug/l	95
20) Methyl tert-butyl Ether	2.39	73	679742	19.10	ug/l	97
21) Methylene Chloride	2.14	84	201779m	20.75	ug/l	
22) trans-1,2-Dichloroethene	2.28	96	199614	20.43	ug/l	86
23) Vinyl Acetate	3.14	43	1829902	90.01	ug/l	97
24) 1,1-Dichloroethane	2.82	63	377710	17.85	ug/l	96
25) 2-Butanone	4.28	43	1413216	88.41	ug/l	99
26) 2,2-Dichloropropane	3.55	77	259176	19.52	ug/l	96
27) cis-1,2-Dichloroethene	3.42	96	282863	20.72	ug/l	93
28) Bromochloromethane	3.66	128	96957	21.27	ug/l	81
29) Chloroform	3.81	83	460981	18.44	ug/l	99
30) Cyclohexane	3.64	56	300897	17.75	ug/l	98
31) Tetrahydrofuran	4.02	42	775699	86.46	ug/l #	87
32) 1,1,1-Trichloroethane	4.04	97	327574	18.20	ug/l	99
36) 1,1-Dichloropropene	4.23	75	356824	19.72	ug/l	94
37) Ethyl acetate	4.07	43	626988	18.46	ug/l	92
38) Carbon Tetrachloride	3.94	117	265806	18.87	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	888314	20.62	ug/l	99
40) Methacrylonitrile	4.69	41	279885	18.62	ug/l	95
41) 1,2-Dichloroethane	4.89	62	347853	18.29	ug/l	100
42) Isopropyl Acetate	5.43	43	818963	18.47	ug/l	95
43) Trichloroethene	5.45	130	242057	22.11	ug/l	91
44) Methylcyclohexane	5.41	83	217952	20.90	ug/l	94
45) 1,2-Dichloropropane	6.18	63	257841	18.88	ug/l	93
46) Dibromomethane	6.04	93	177237	19.95	ug/l #	80
47) Bromodichloromethane	6.33	83	359656	19.77	ug/l	95
49) 4-Methyl-2-Pentanone	8.19	43	2513910	93.57	ug/l	99
50) Toluene	7.57	92	556831	20.18	ug/l	99
51) t-1,3-Dichloropropene	8.21	75	406194	19.47	ug/l	99
52) Methyl Methacrylate	6.67	69	275454	20.38	ug/l	93
53) 1,4-Dioxane	6.66	88	65001	409.98	ug/l	92
54) cis-1,3-Dichloropropene	7.24	75	447962	20.22	ug/l	91
55) 1,1,2-Trichloroethane	8.42	97	242245	20.68	ug/l	95
56) Ethyl Methacrylate	8.56	69	454490	19.65	ug/l	95
57) 1,3-Dichloropropane	8.78	76	476367	20.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.24	63	1116235	97.61	ug/l #	89
59) 2-Hexanone	9.42	43	1823713	86.88	ug/l	99
60) Dibromochloromethane	8.65	129	286107	21.55	ug/l	94
61) 1,2-Dibromoethane	8.92	107	289450	21.48	ug/l	100
64) Tetrachloroethene	8.10	164	165879	22.41	ug/l	98
65) Chlorobenzene	9.73	112	594159	20.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.85	131	214483	21.87	ug/l	97
67) Ethyl Benzene	9.83	106	290158	21.33	ug/l	84
68) m/p-Xylenes	10.06	106	689422	41.65	ug/l	97
69) o-Xylene	10.65	106	330399	20.79	ug/l	94
70) Styrene	10.72	104	571052	20.57	ug/l	99
71) Bromoform	10.70	173	185108	22.06	ug/l	94
73) Isopropylbenzene	11.06	105	738277	20.20	ug/l	99
74) n-Amyl Acetate	11.31	43	670085	17.26	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.63	83	387196	20.21	ug/l	99
76) 1,2,3-Trichloropropane	11.72	75	298568	19.86	ug/l	98
77) Bromobenzene	11.43	156	234018	22.50	ug/l	90
78) n-propylbenzene	11.53	91	786420	20.13	ug/l	99
79) 2-Chlorotoluene	11.66	91	467631	19.84	ug/l	91
80) 1,3,5-Trimethylbenzene	11.75	105	480724	20.13	ug/l	100
81) trans-1,4-Dichloro-2-Buten	11.80	75	206916	18.89	ug/l	98
82) 4-Chlorotoluene	11.83	91	568518	19.97	ug/l	98
83) tert-Butylbenzene	12.06	119	475182	21.08	ug/l	95
84) 1,2,4-Trimethylbenzene	12.13	105	535998	21.75	ug/l	99
85) sec-Butylbenzene	12.24	105	495252	20.54	ug/l	95
86) p-Isopropyltoluene	12.39	119	419065	22.90	ug/l	93
87) 1,3-Dichlorobenzene	12.41	146	276542	22.28	ug/l	96
88) 1,4-Dichlorobenzene	12.49	146	271928	21.16	ug/l	93
89) n-Butylbenzene	12.78	91	319028	21.81	ug/l	97
90) Hexachloroethane	12.84	117	85133	21.97	ug/l	98
91) 1,2-Dichlorobenzene	12.87	146	251540	22.50	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.57	75	37767	17.58	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	46556	20.93	ug/l	85
94) Hexachlorobutadiene	14.11	225	28677	24.79	ug/l	94
95) Naphthalene	14.38	128	164646	19.48	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.52	180	26334	19.40	ug/l	89

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

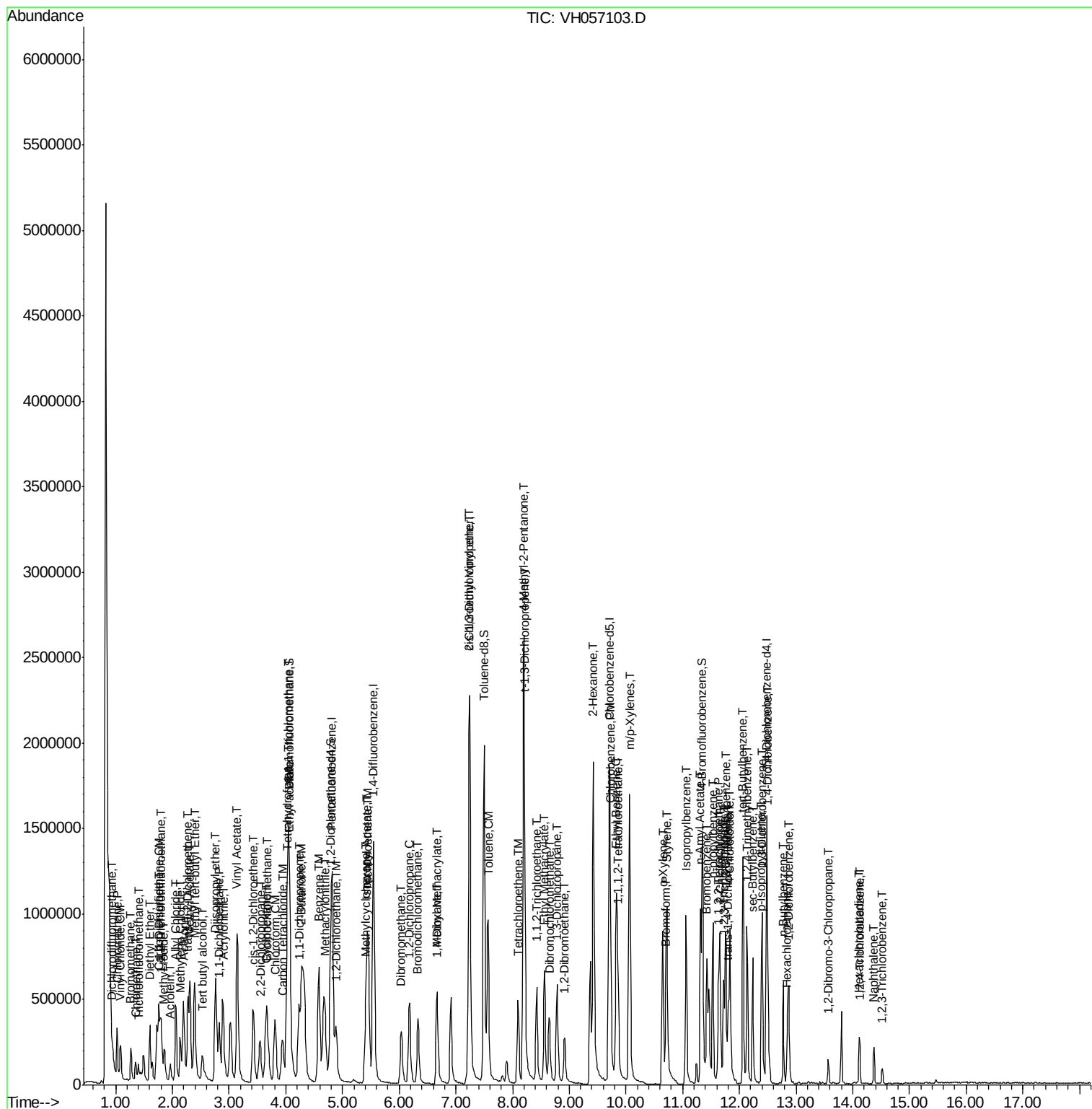
Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
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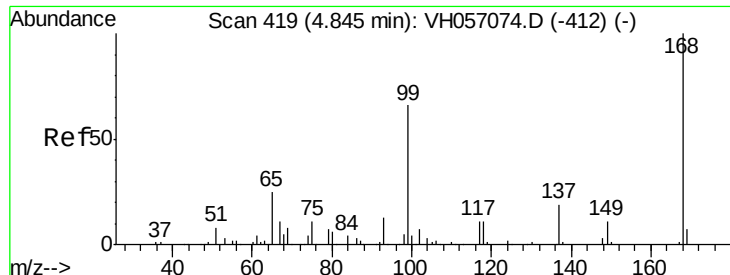
Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.81 min Scan# 417

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 168 Resp: 963591

Ion Ratio Lower Upper

168 100

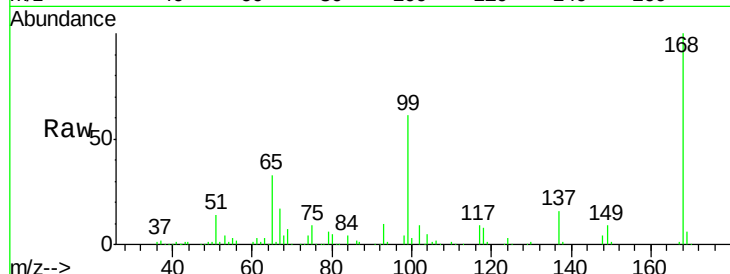
99 60.9 55.8 83.6

Manual Integrations

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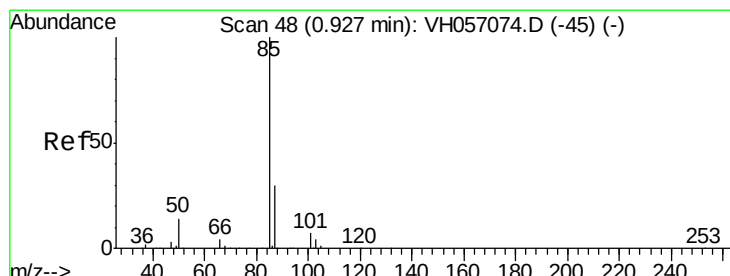
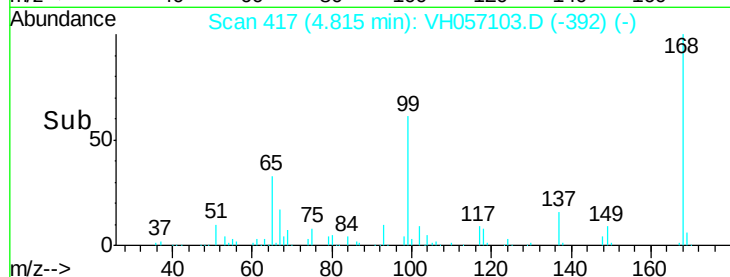
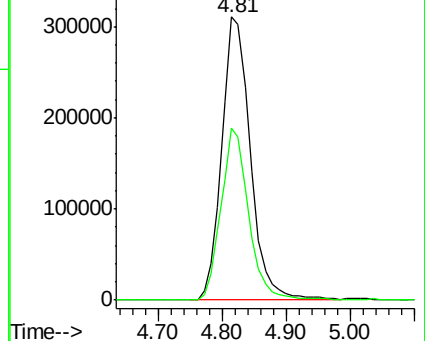
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0



#2

Dichlorodifluoromethane

Concen: 17.92 ug/l

RT: 0.94 min Scan# 49

Delta R.T. 0.01 min

Lab File: VH057103.D

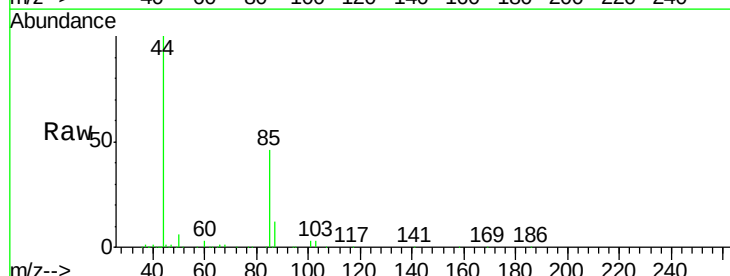
Acq: 22 Sep 2015 13:40

Tgt Ion: 85 Resp: 213122

Ion Ratio Lower Upper

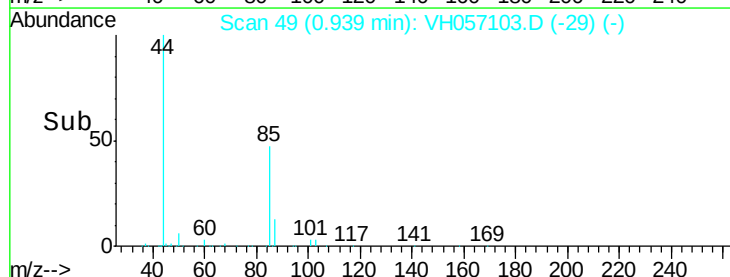
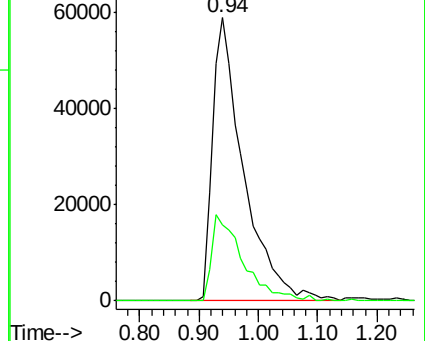
85 100

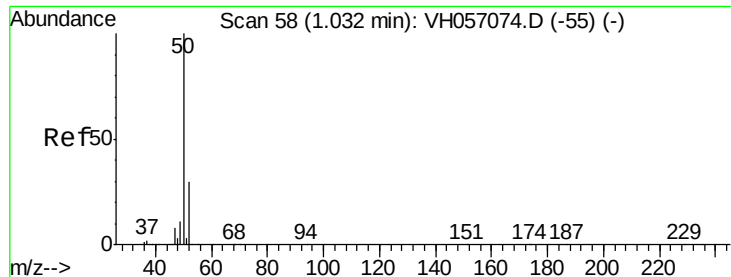
87 27.0 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0





#3

Chloromethane

Concen: 16.32 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

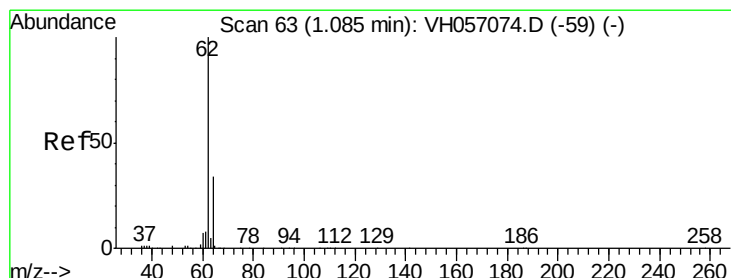
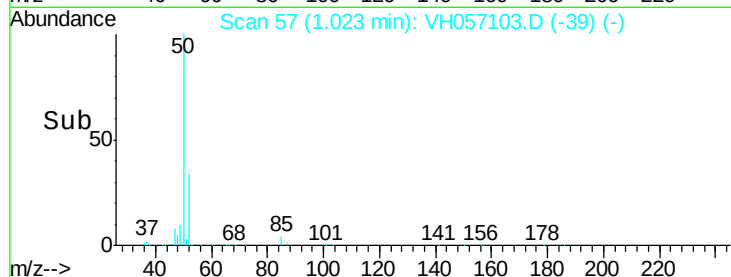
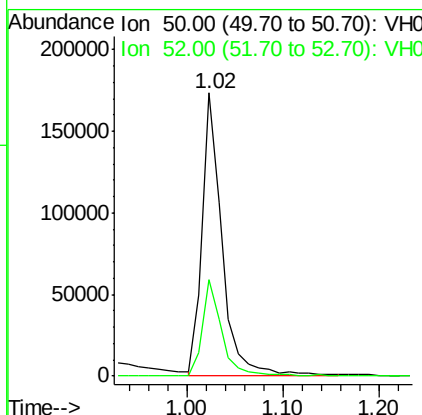
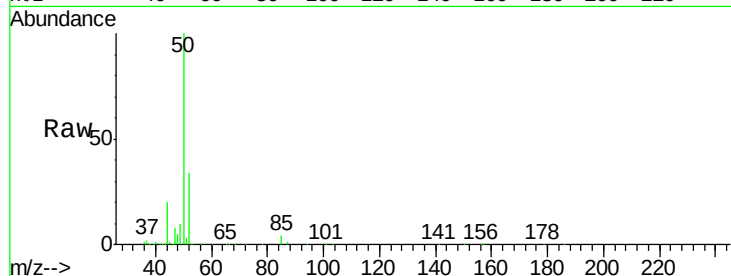
ClientSampleId :

VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.8	38.8

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#4

Vinyl Chloride

Concen: 16.75 ug/l

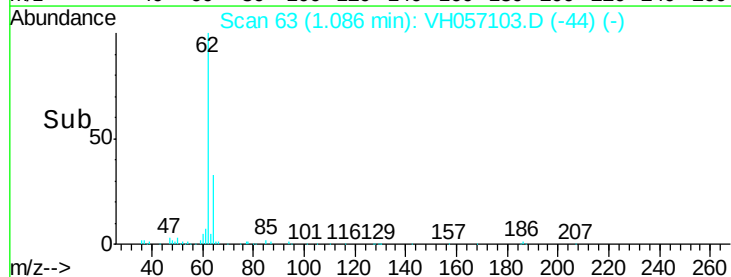
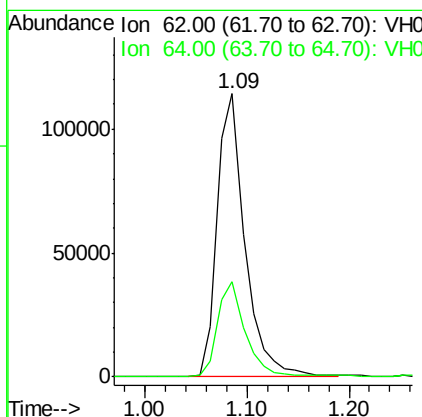
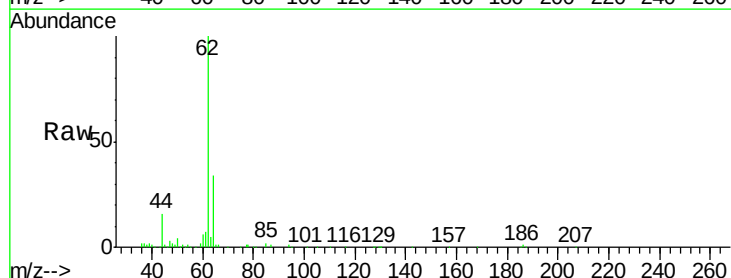
RT: 1.09 min Scan# 63

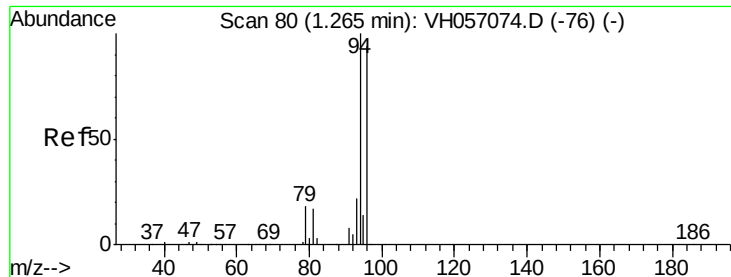
Delta R.T. 0.00 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.6	26.6	40.0





#5

Bromomethane

Concen: 16.64 ug/l

RT: 1.26 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 94 Resp: 112312

Ion Ratio Lower Upper

94 100

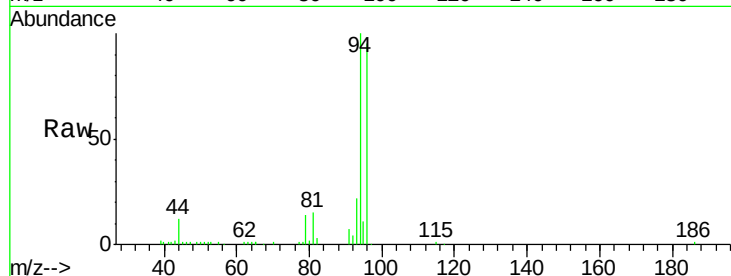
96 95.5 78.5 117.7

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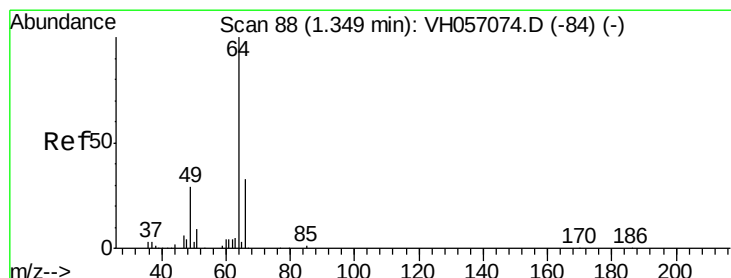
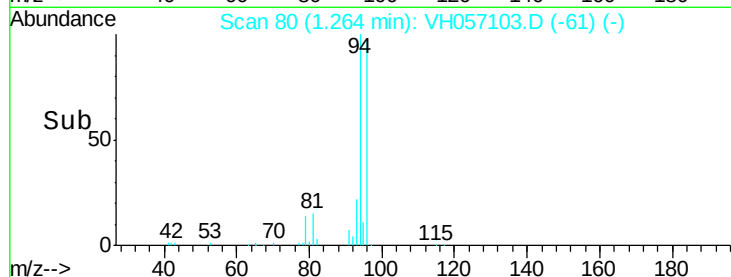
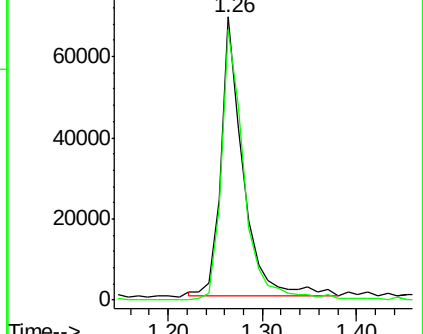
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Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 17.63 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057103.D

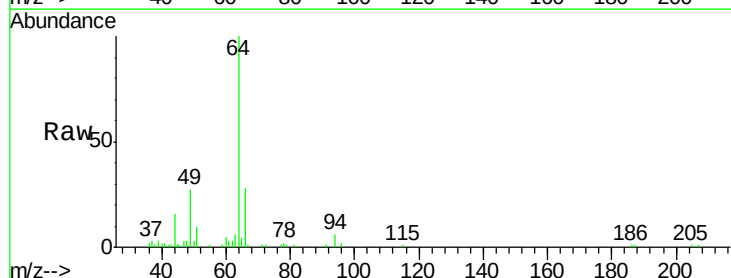
Acq: 22 Sep 2015 13:40

Tgt Ion: 64 Resp: 104894

Ion Ratio Lower Upper

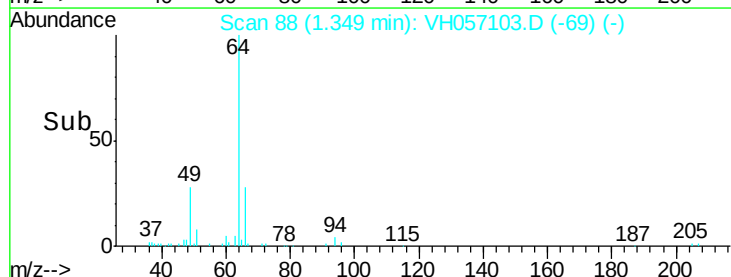
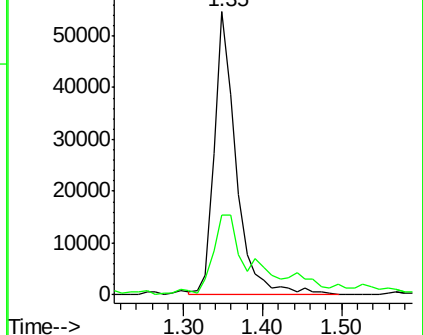
64 100

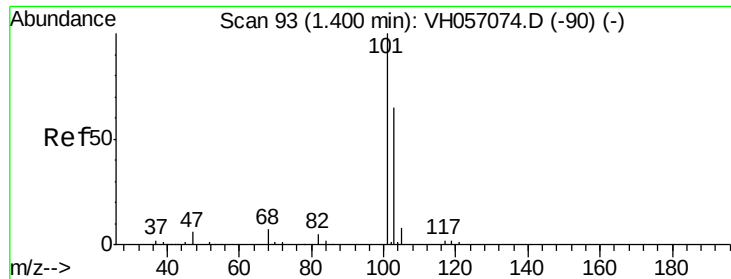
66 28.4 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

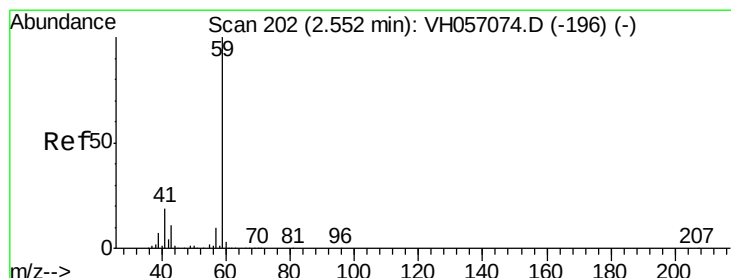
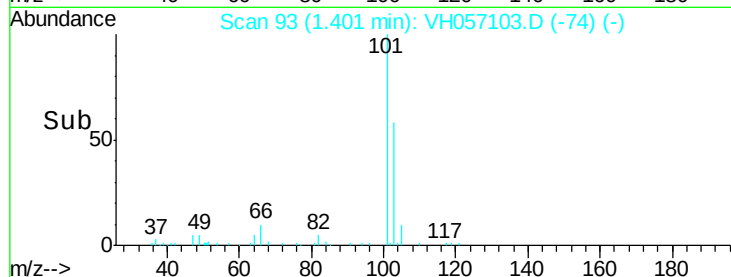
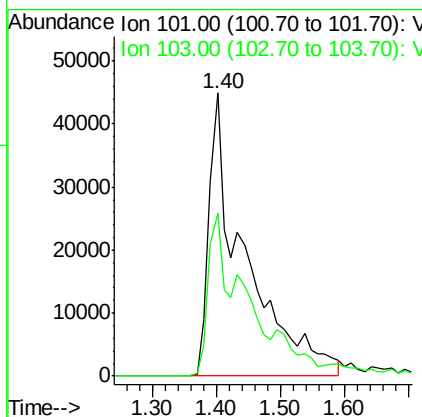
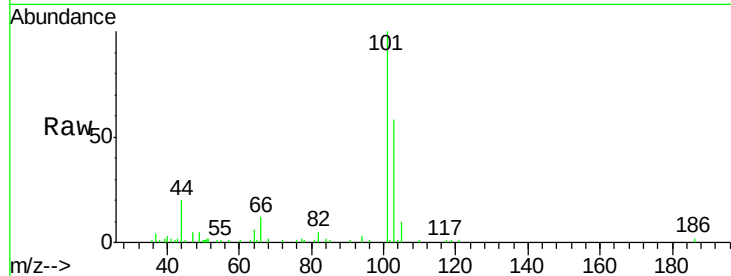
Trichlorofluoromethane
Concen: 14.61 ug/l m
RT: 1.40 min Scan# 93
Delta R.T. 0.00 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	57.7	54.9	82.3

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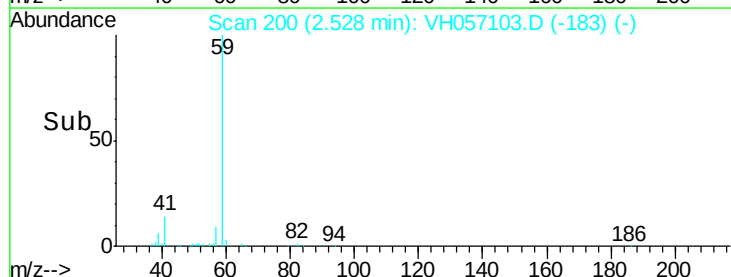
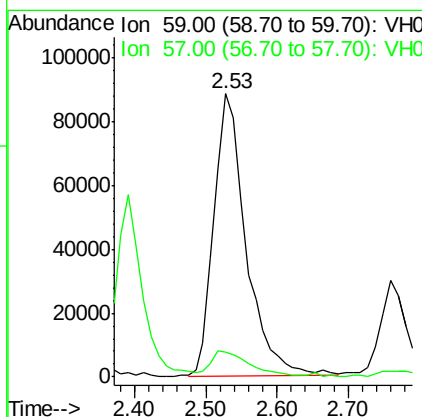
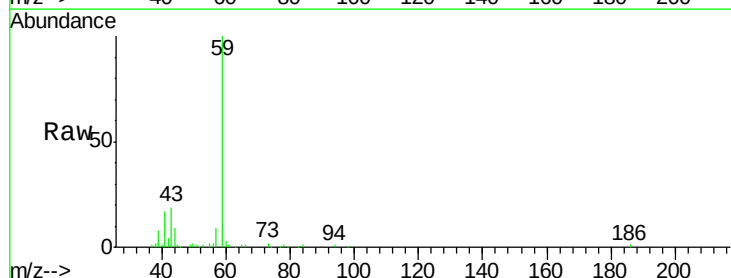
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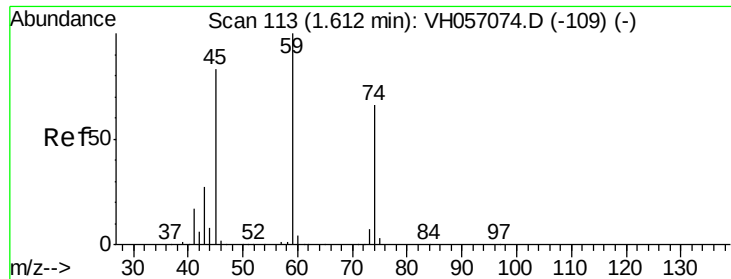


#8

Tert butyl alcohol
Concen: 88.72 ug/l
RT: 2.53 min Scan# 200
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.7	9.0	11.0#





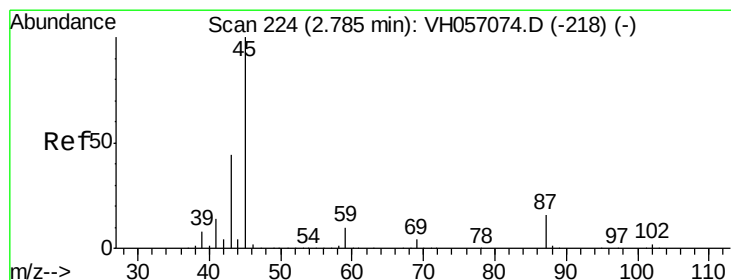
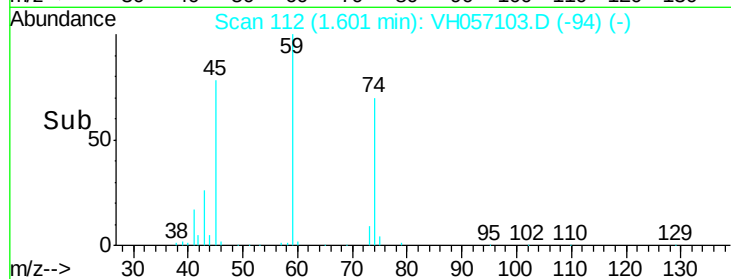
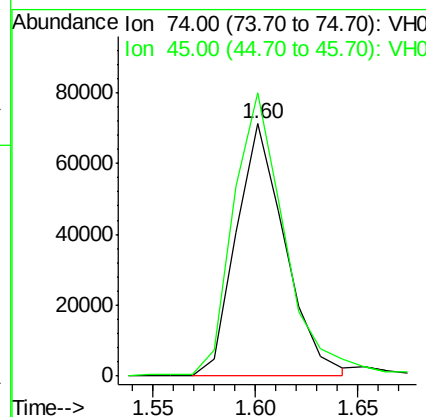
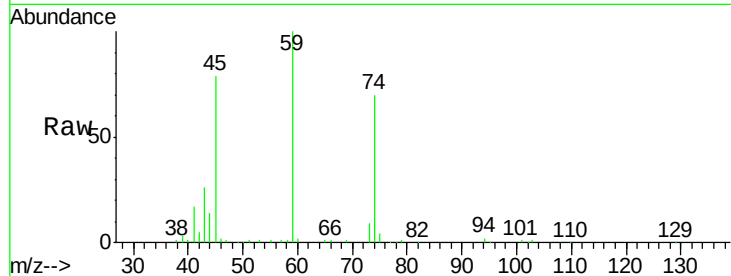
#9
 Diethyl Ether
 Concen: 20.41 ug/l
 RT: 1.60 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion: 74 Resp: 119588
 Ion Ratio Lower Upper
 74 100
 45 112.1 0.0 304.4

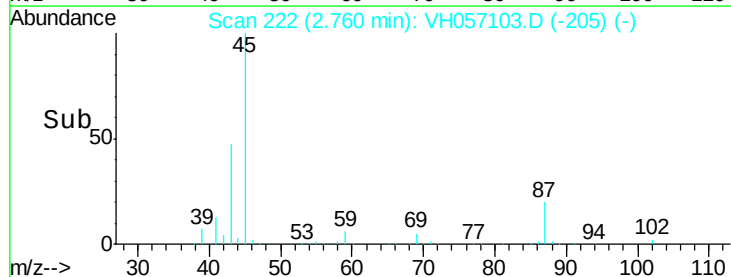
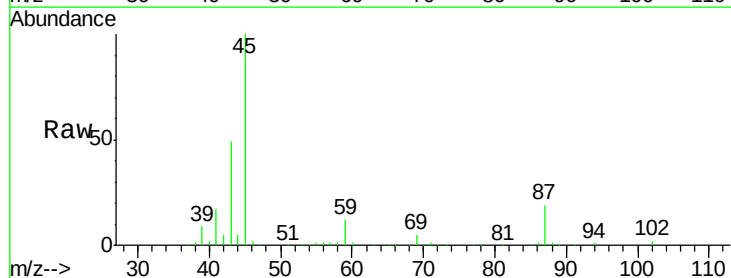
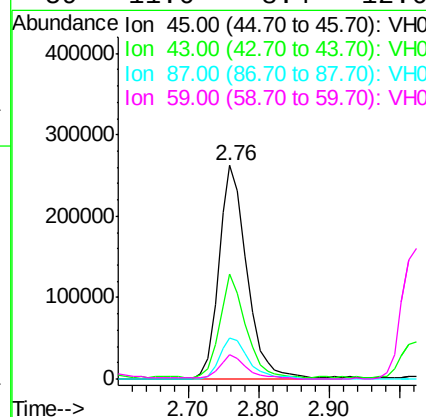
Manual Integrations
 APPROVED

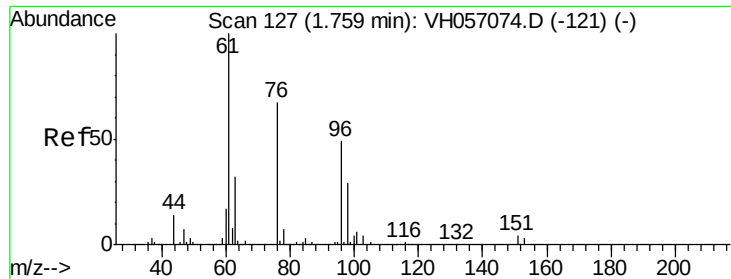
MMDadoda
 9/23/2015 11:46:47 AM



#10
 Diisopropyl ether
 Concen: 16.86 ug/l
 RT: 2.76 min Scan# 222
 Delta R.T. -0.03 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion: 45 Resp: 724157
 Ion Ratio Lower Upper
 45 100
 43 48.9 34.6 52.0
 87 19.5 12.6 19.0#
 59 11.6 8.4 12.6





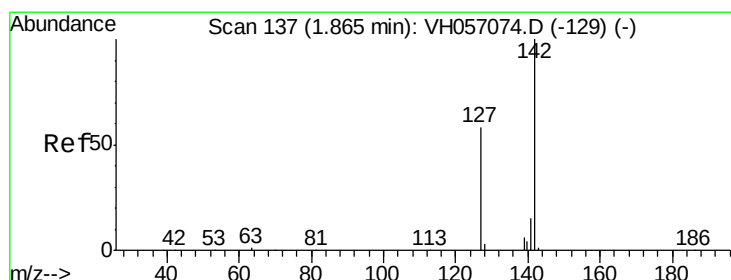
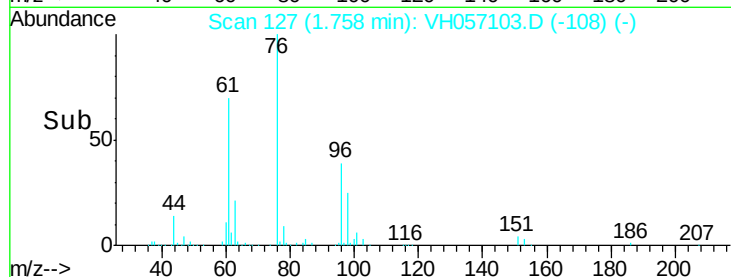
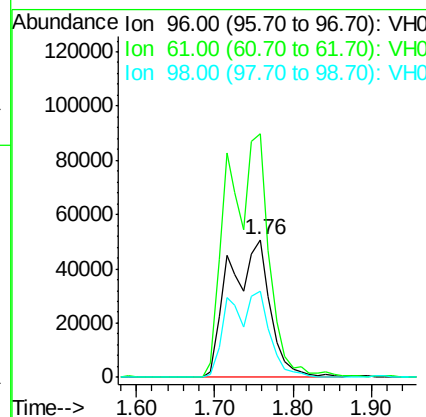
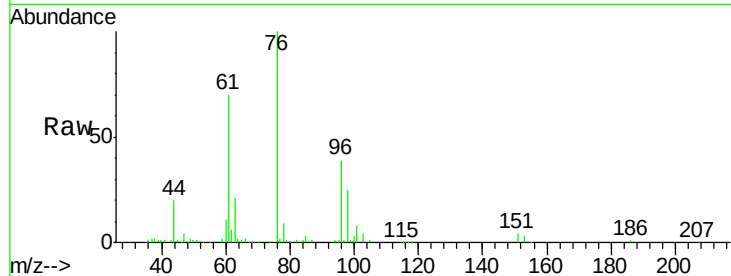
#11
 1,1-Dichloroethene
 Concen: 20.83 ug/l m
 RT: 1.76 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	158.4	237.6
98	63.0	50.6	75.8

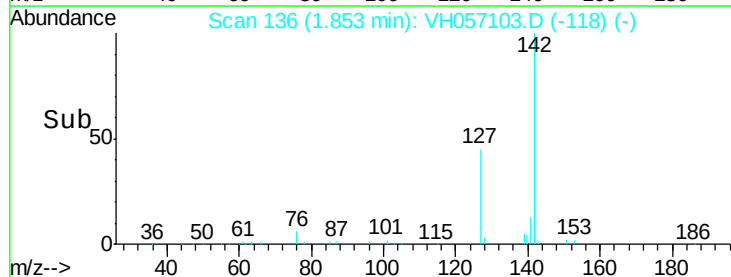
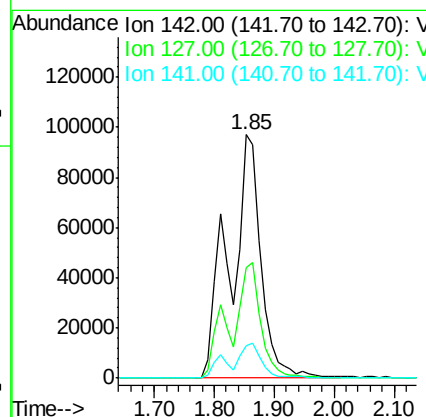
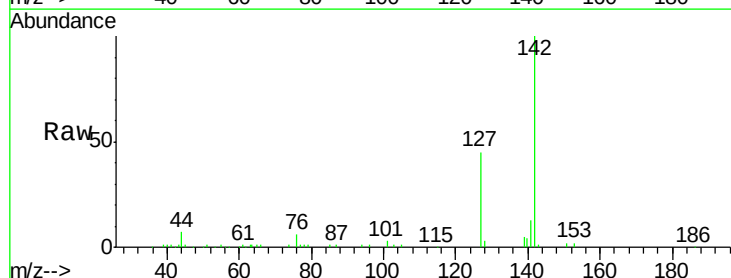
Manual Integrations
 APPROVED

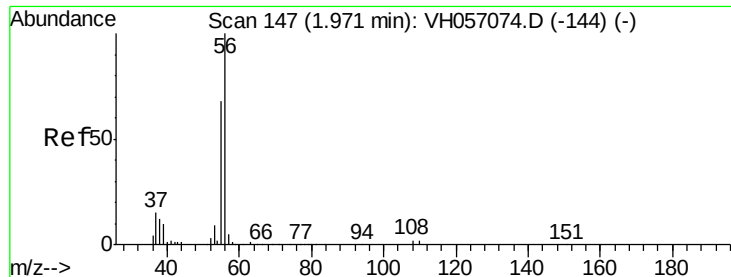
MMDadoda
 9/23/2015 11:46:47 AM



#12
 Methyl Iodide
 Concen: 22.21 ug/l m
 RT: 1.85 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	30.0	90.1
141	13.4	7.1	21.4





#13

Acrolein

Concen: 49.33 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 56 Resp: 91145

Ion Ratio Lower Upper

56 100

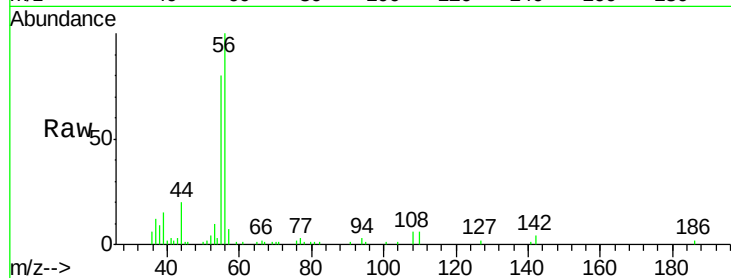
55 80.4 52.9 79.3#

Manual Integrations

APPROVED

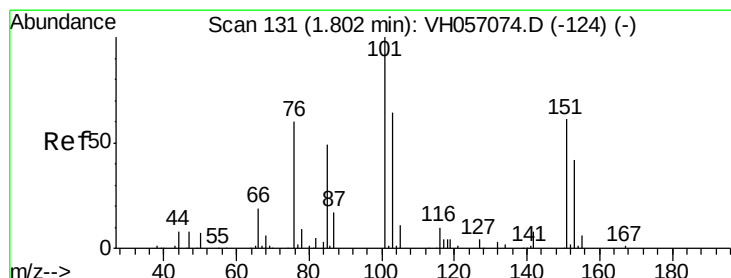
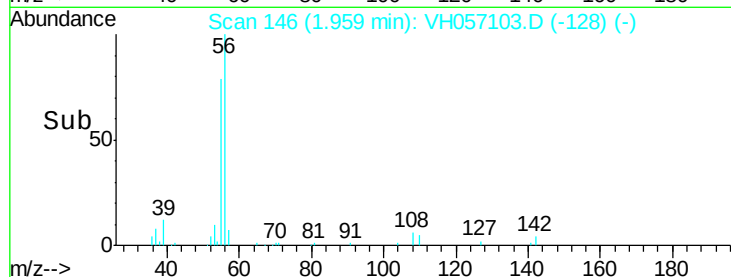
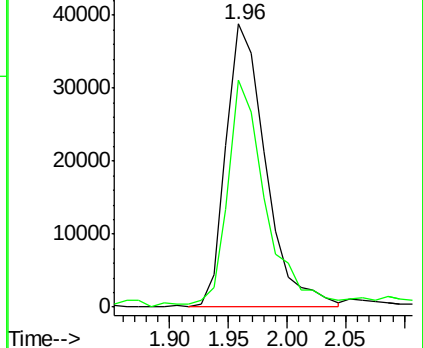
MMDadoda

9/23/2015 11:46:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VH0

Ion 55.00 (54.70 to 55.70): VH0



#14

1,1,2-Trichlorotrifluoroethane

Concen: 19.59 ug/l

RT: 1.79 min Scan# 130

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

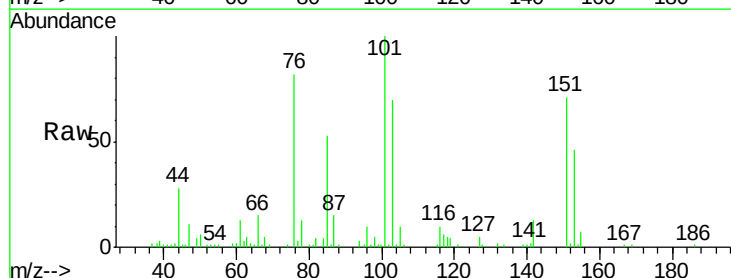
Tgt Ion: 101 Resp: 169664

Ion Ratio Lower Upper

101 100

85 53.2 37.9 56.9

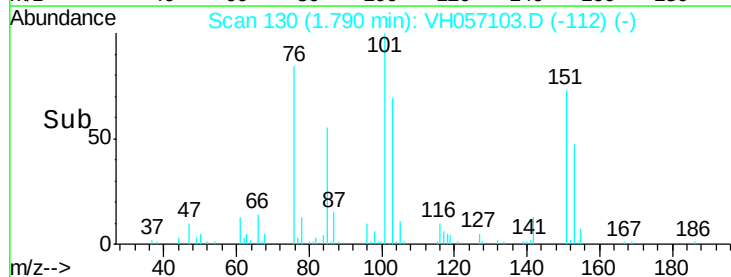
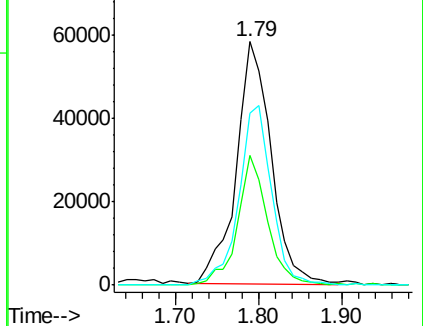
151 70.8 50.6 76.0

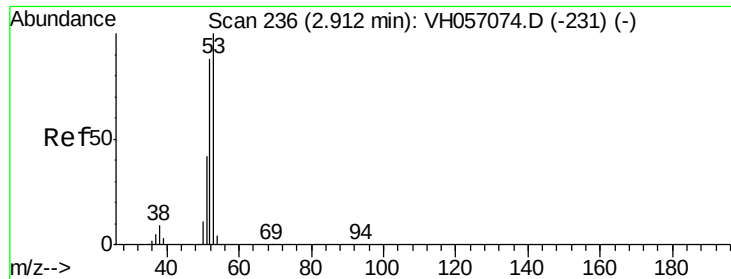


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VH0

Ion 151.00 (150.70 to 151.70): V





#15

Acrylonitrile

Concen: 90.91 ug/l

RT: 2.90 min Scan# 235

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

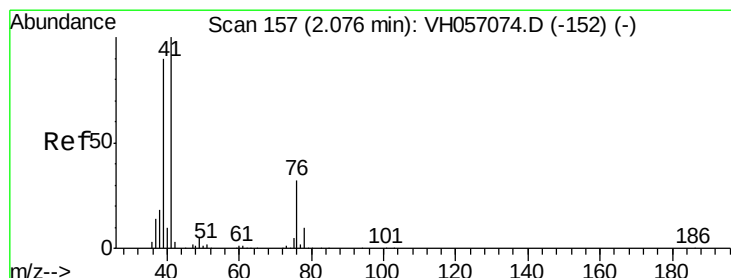
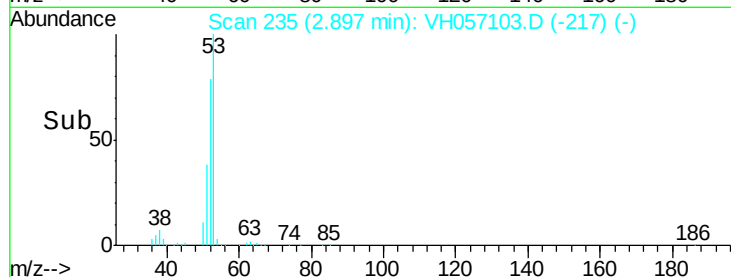
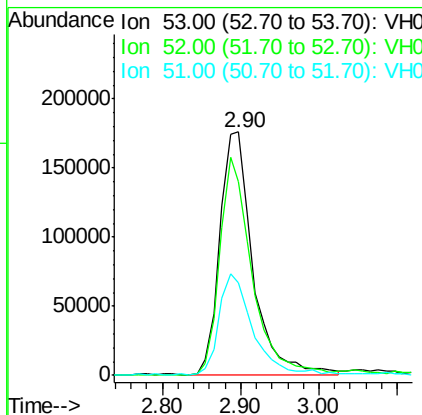
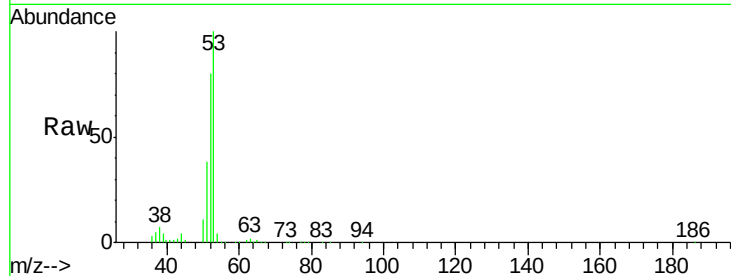
ClientSampleId :

VH0922MBS01

Tgt Ion:	53	Resp:	512219
Ion	Ratio	Lower	Upper
53	100		
52	79.6	67.6	101.4
51	38.0	31.8	47.6

Manual Integrations
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#16

Allyl Chloride

Concen: 17.97 ug/l

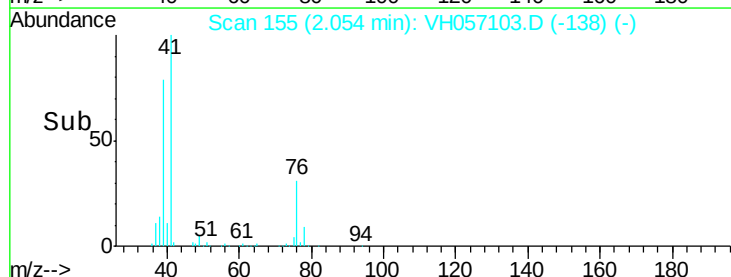
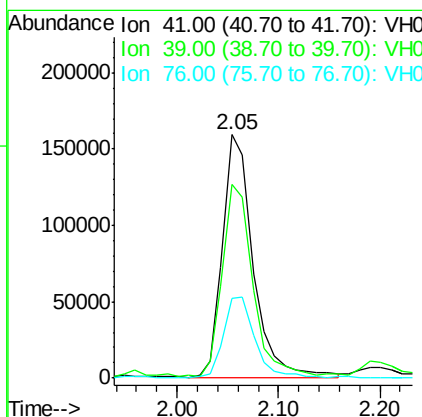
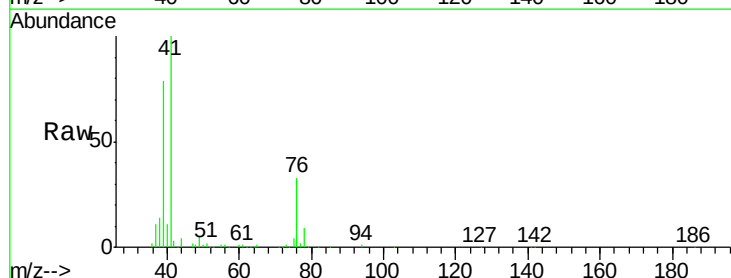
RT: 2.05 min Scan# 155

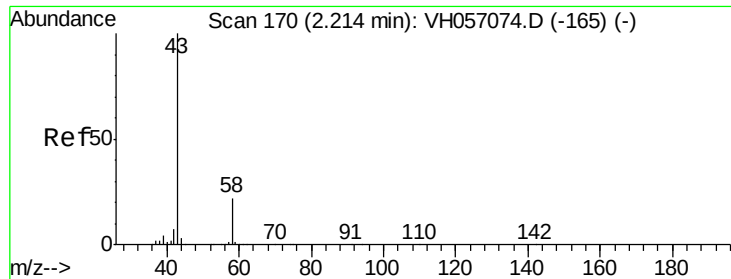
Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Tgt Ion:	41	Resp:	329378
Ion	Ratio	Lower	Upper
41	100		
39	79.4	41.0	123.2
76	32.8	14.3	42.9





#17

Acetone

Concen: 67.68 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 43 Resp: 625475

Ion Ratio Lower Upper

43 100

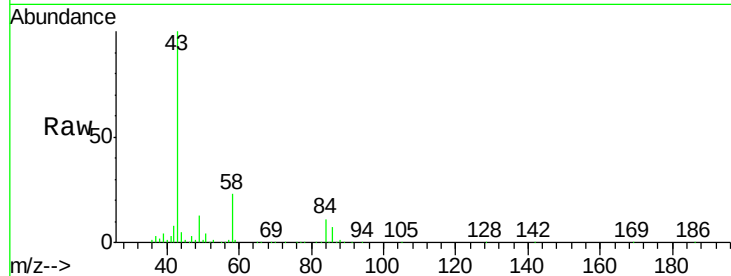
58 23.4 17.7 26.5

Manual Integrations

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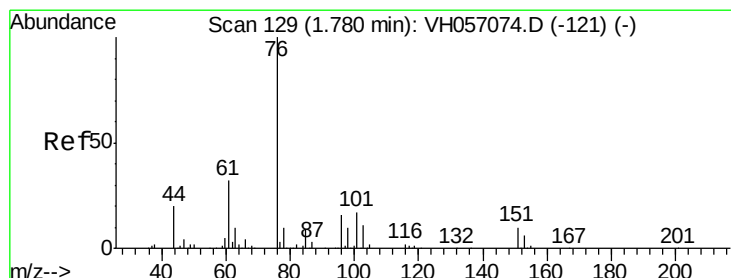
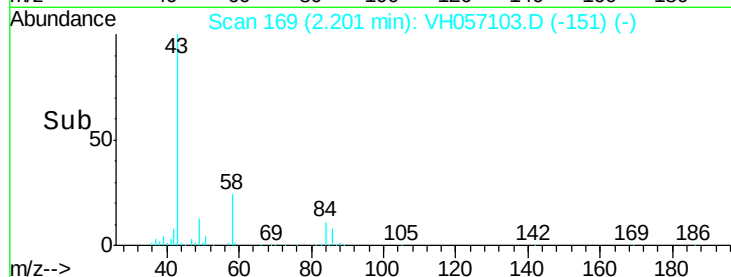
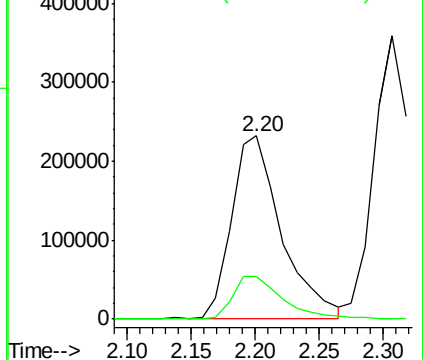
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#18

Carbon Disulfide

Concen: 19.42 ug/l

RT: 1.77 min Scan# 128

Delta R.T. -0.01 min

Lab File: VH057103.D

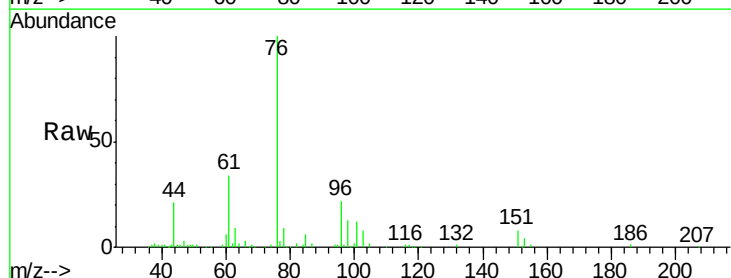
Acq: 22 Sep 2015 13:40

Tgt Ion: 76 Resp: 509160

Ion Ratio Lower Upper

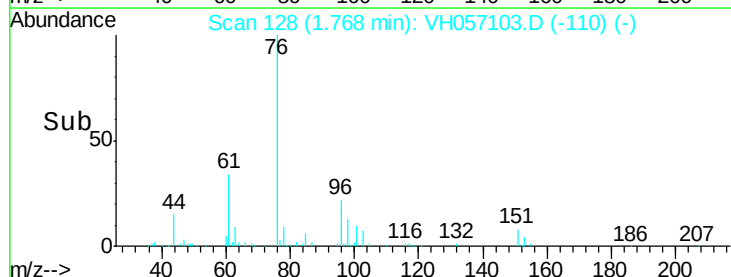
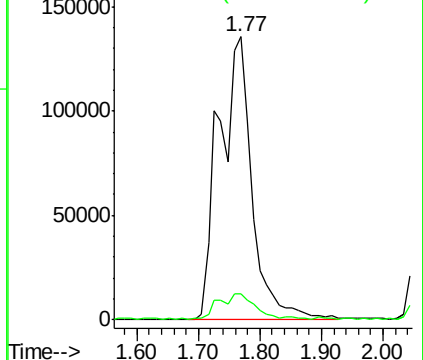
76 100

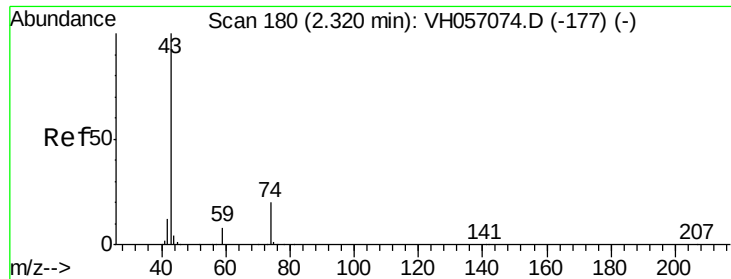
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0





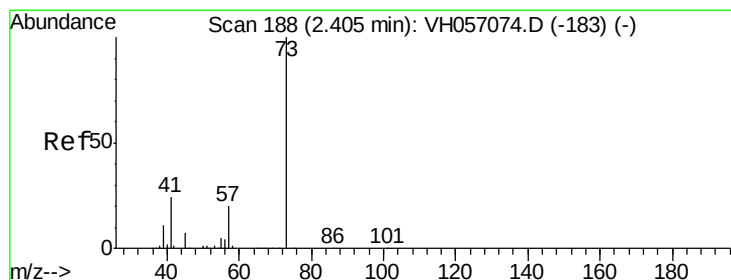
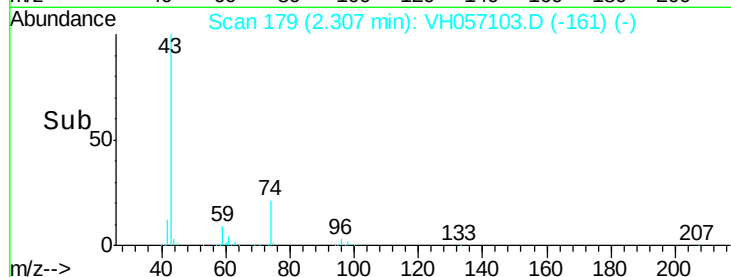
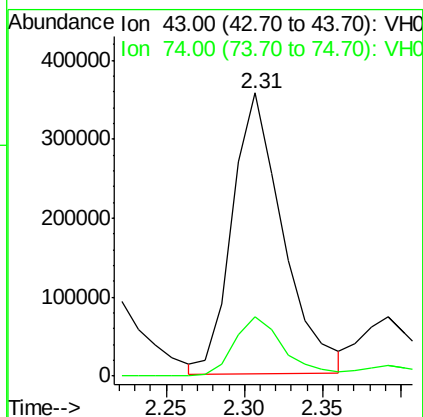
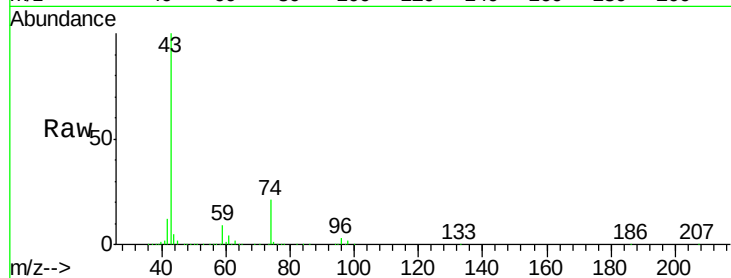
#19
Methyl Acetate
Concen: 17.85 ug/l
RT: 2.31 min Scan# 179
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion: 43 Resp: 799189
Ion Ratio Lower Upper
43 100
74 21.1 13.3 24.7

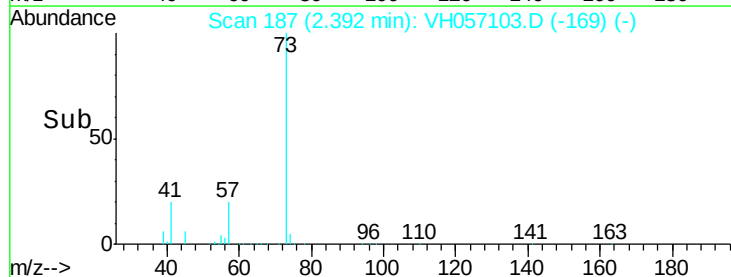
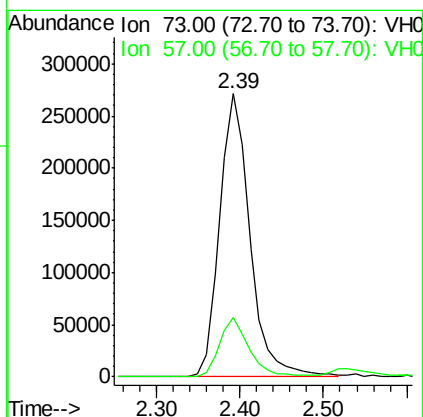
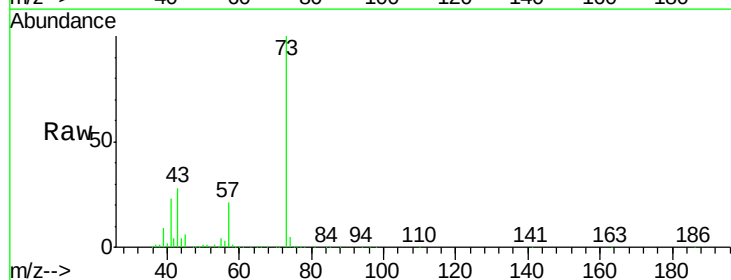
Manual Integrations
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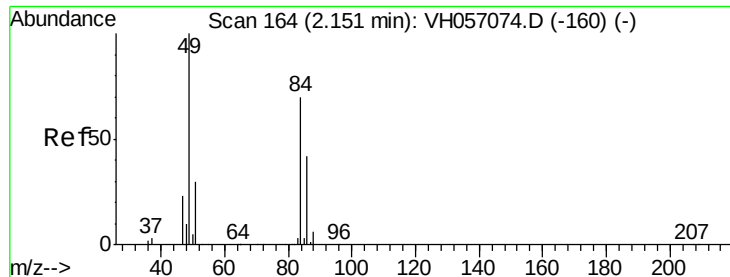
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 19.10 ug/l
RT: 2.39 min Scan# 187
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion: 73 Resp: 679742
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0





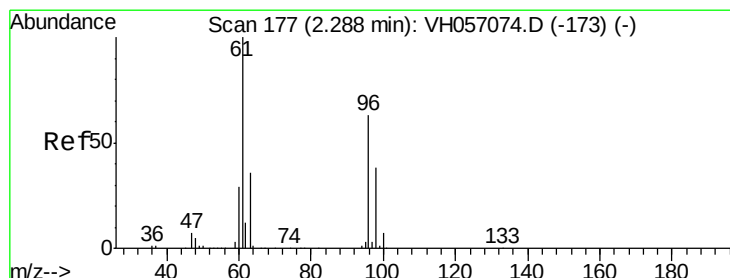
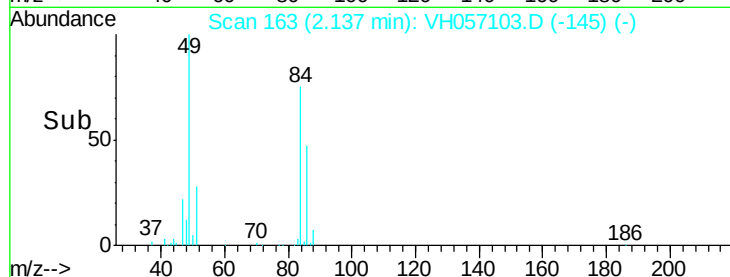
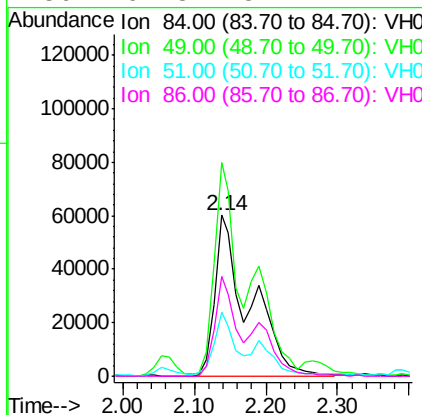
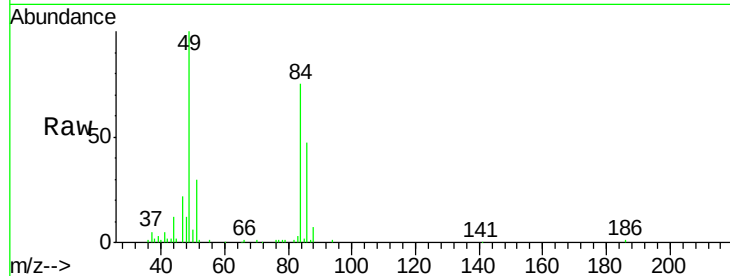
#21
Methylene Chloride
Concen: 20.75 ug/l m
RT: 2.14 min Scan# 163
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.6	132.8	199.2#
51	40.1	39.5	59.3
86	61.8	51.4	77.2

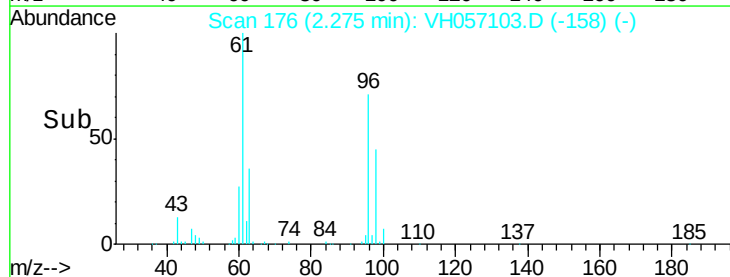
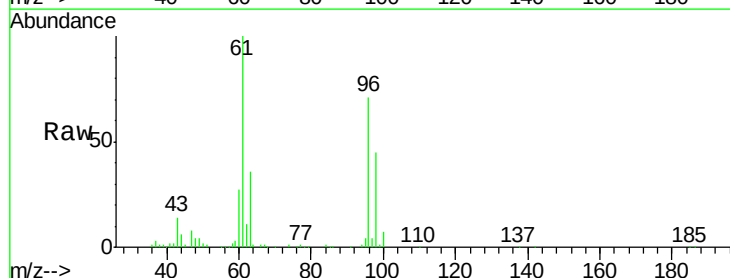
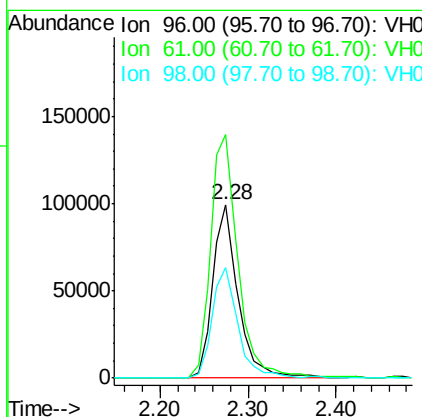
Manual Integrations
APPROVED

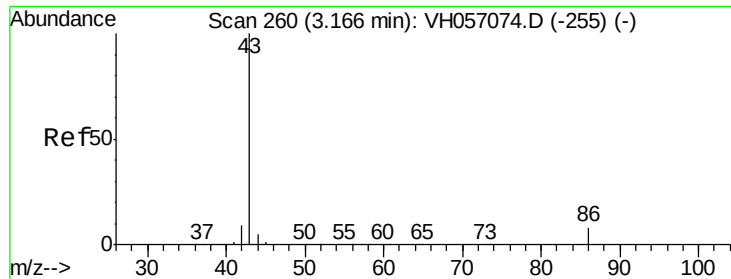
MMDadoda
9/23/2015 11:46:47 AM



#22
trans-1,2-Dichloroethene
Concen: 20.43 ug/l
RT: 2.28 min Scan# 176
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	131.7	197.5
98	63.7	49.5	74.3





#23

Vinyl Acetate

Concen: 90.01 ug/l

RT: 3.14 min Scan# 258

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 43 Resp: 1829902

Ion Ratio Lower Upper

43 100

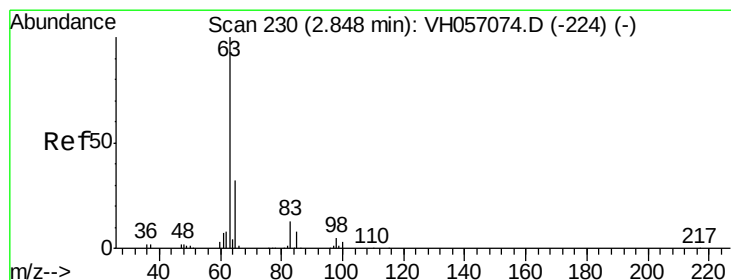
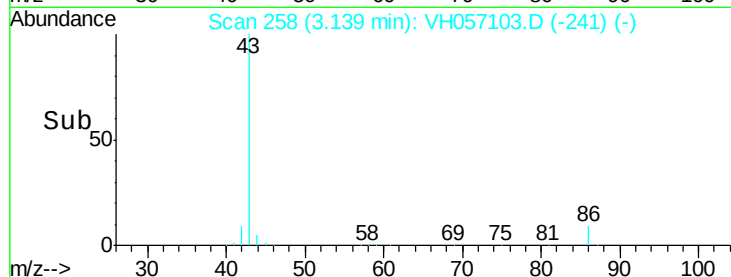
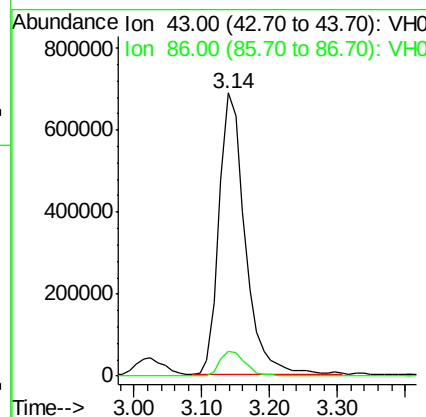
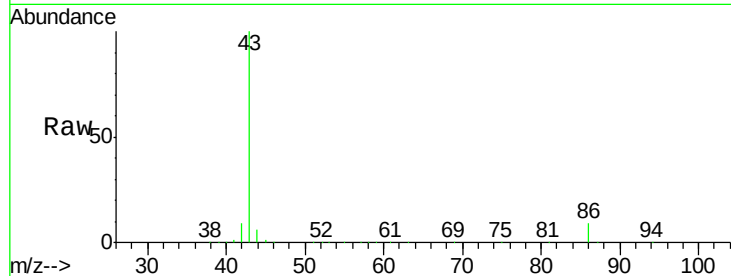
86 8.8 6.2 9.2

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 17.85 ug/l

RT: 2.82 min Scan# 228

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

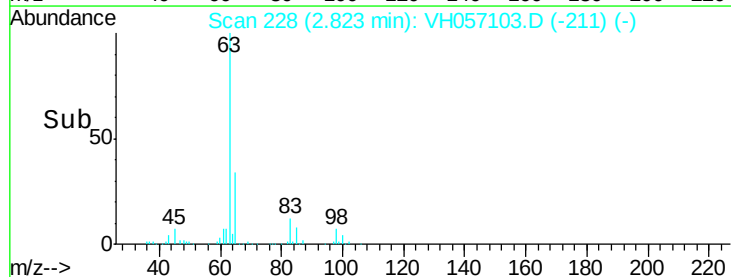
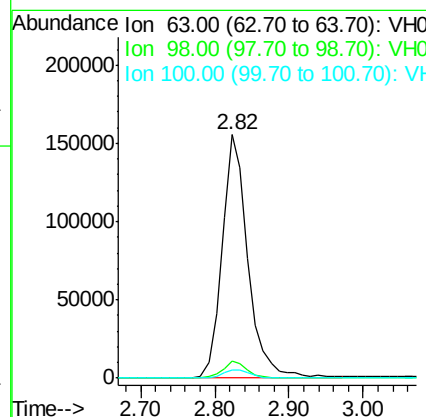
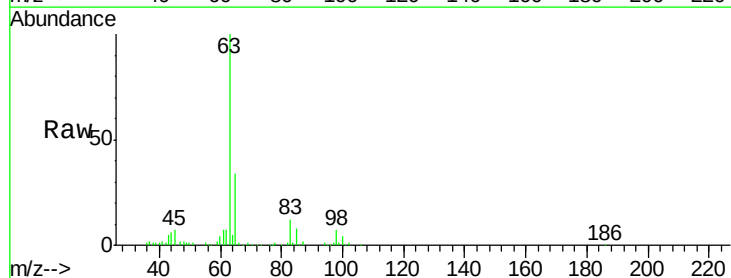
Tgt Ion: 63 Resp: 377710

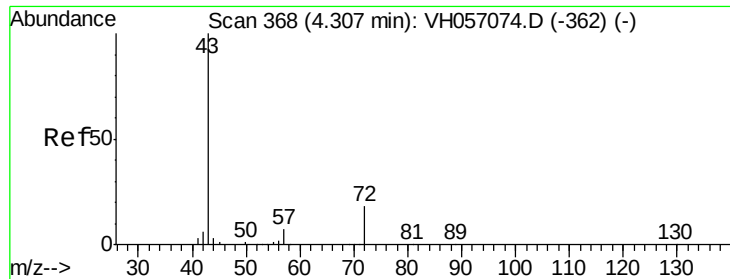
Ion Ratio Lower Upper

63 100

98 7.0 2.6 7.8

100 3.6 1.7 5.0





#25

2-Butanone

Concen: 88.41 ug/l

RT: 4.28 min Scan# 366

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 43 Resp: 1413216

Ion Ratio Lower Upper

43 100

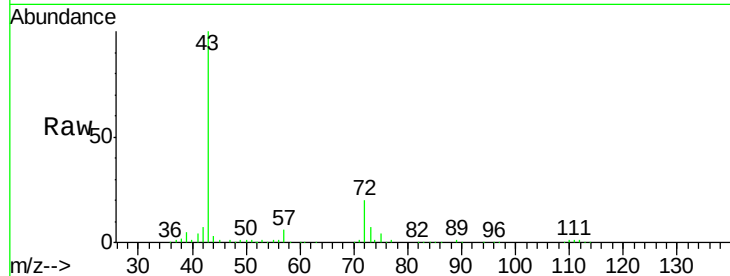
72 19.9 0.0 39.2

Manual Integrations

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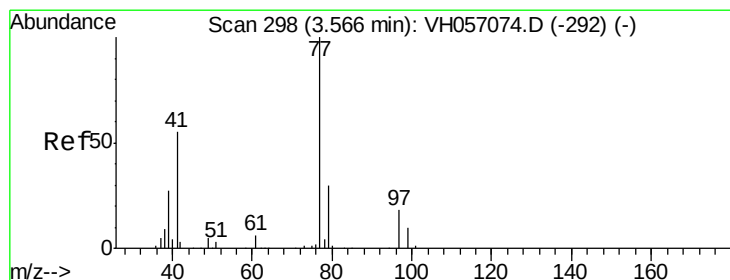
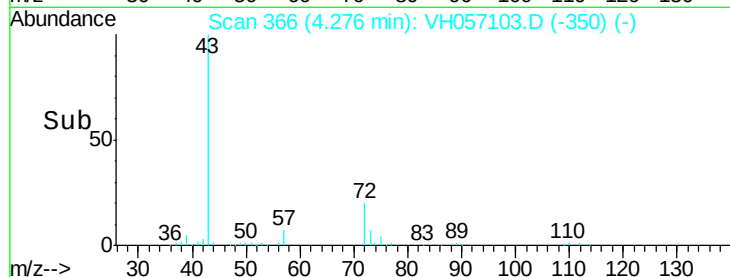
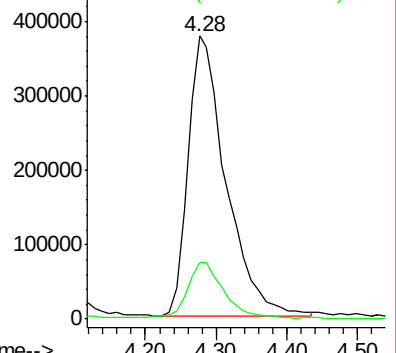
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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0



#26

2,2-Dichloropropane

Concen: 19.52 ug/l

RT: 3.55 min Scan# 297

Delta R.T. -0.02 min

Lab File: VH057103.D

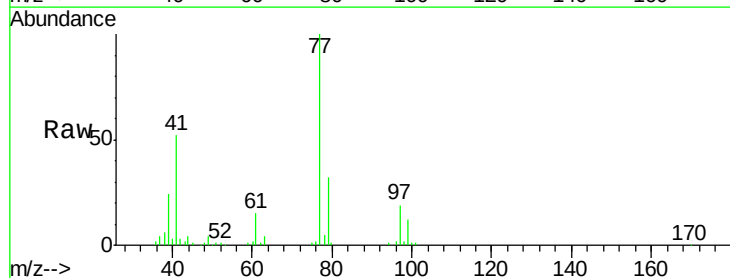
Acq: 22 Sep 2015 13:40

Tgt Ion: 77 Resp: 259176

Ion Ratio Lower Upper

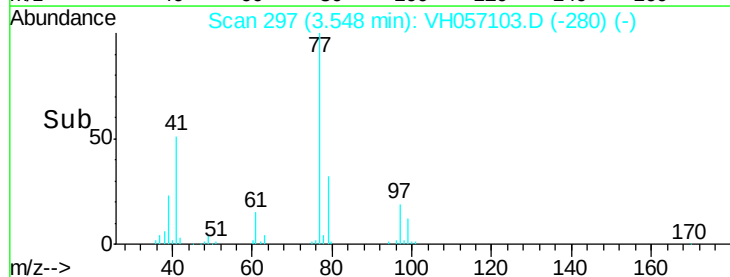
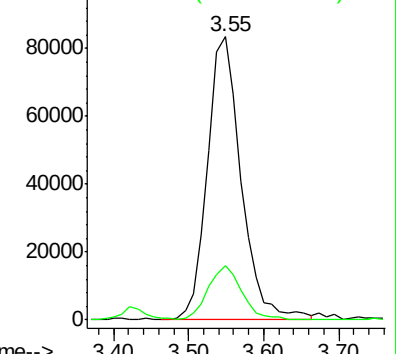
77 100

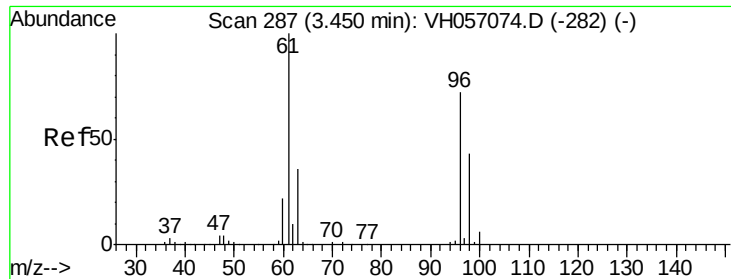
97 19.4 8.8 26.4



Abundance Ion 77.00 (76.70 to 77.70): VH0

Ion 97.00 (96.70 to 97.70): VH0





#27

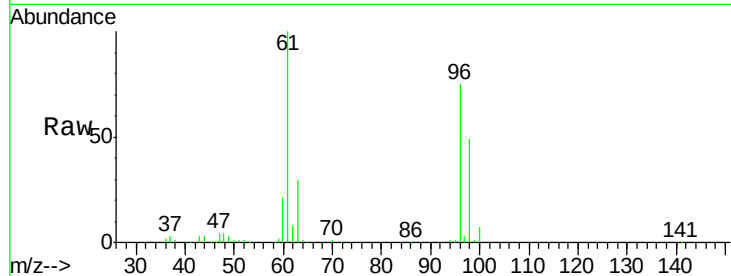
cis-1,2-Dichloroethene
Concen: 20.72 ug/l
RT: 3.42 min Scan# 285
Delta R.T. -0.03 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

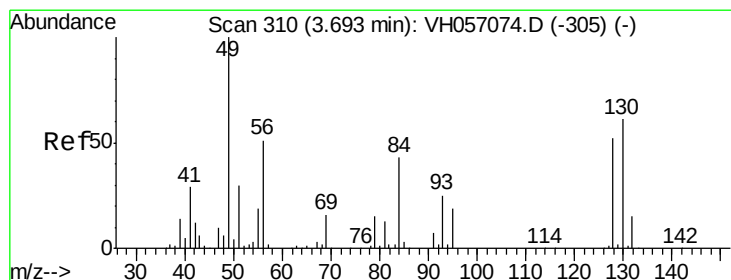
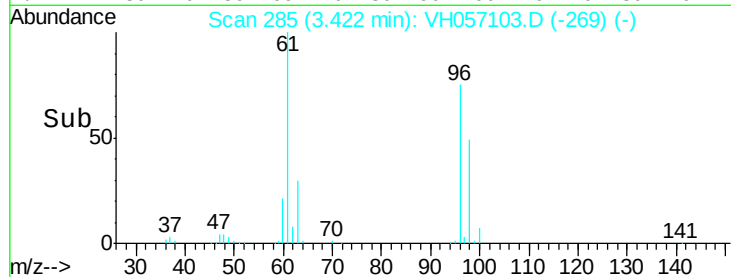
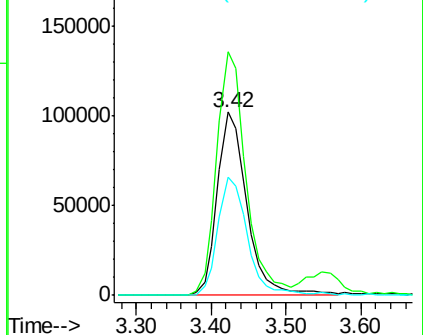
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.9	115.4	173.0
98	64.6	49.7	74.5

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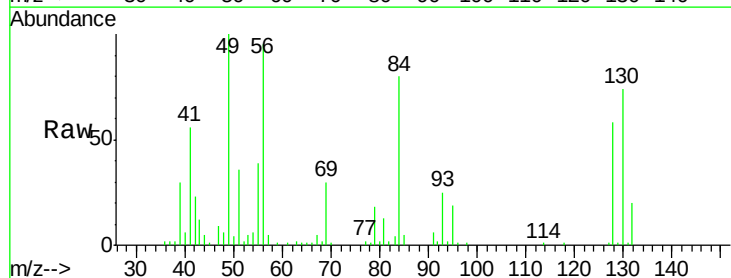
Abundance Ion 96.00 (95.70 to 96.70): VH0
Ion 61.00 (60.70 to 61.70): VH0
Ion 98.00 (97.70 to 98.70): VH0



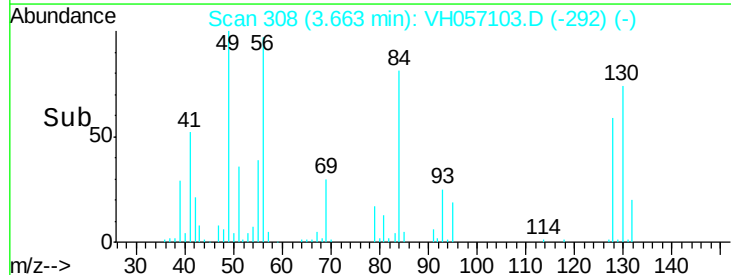
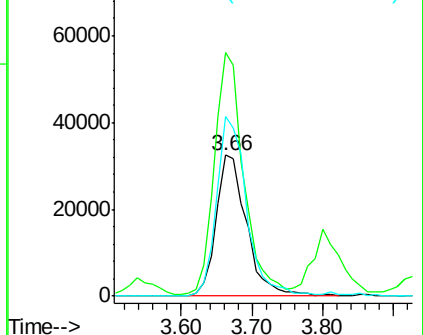
#28

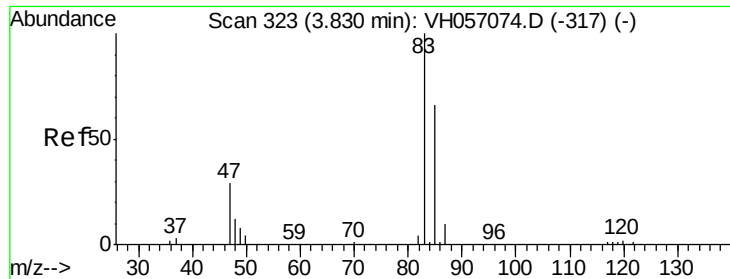
Bromochloromethane
Concen: 21.27 ug/l
RT: 3.66 min Scan# 308
Delta R.T. -0.03 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.7	0.0	441.4
130	127.0	100.7	151.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VH0
Ion 130.00 (129.70 to 130.70): V





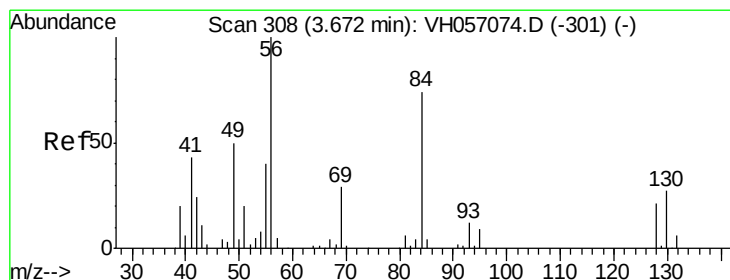
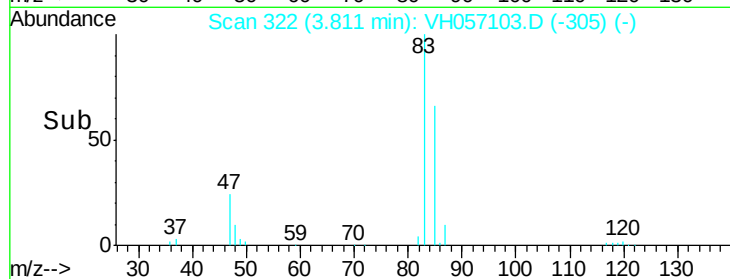
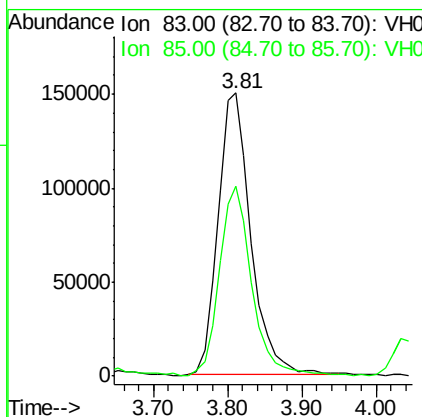
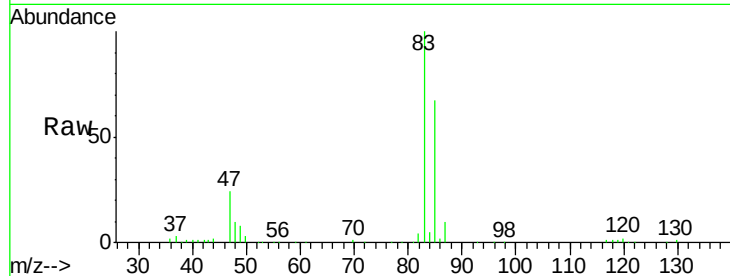
#29
Chloroform
Concen: 18.44 ug/l
RT: 3.81 min Scan# 322
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	54.3	81.5

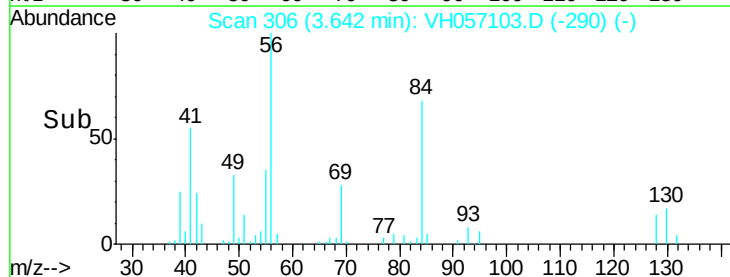
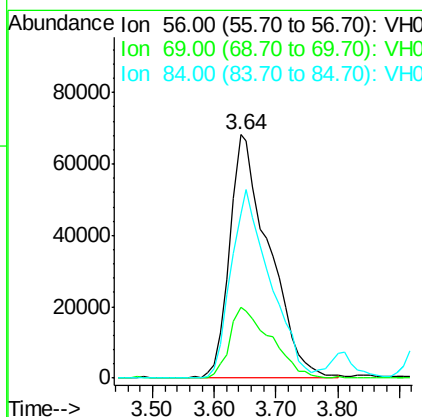
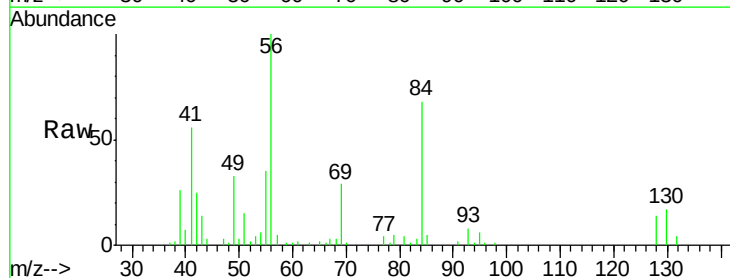
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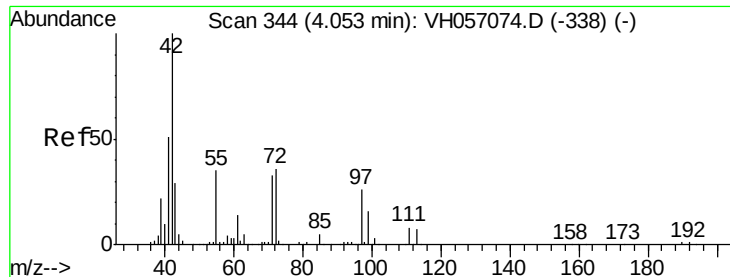
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#30
Cyclohexane
Concen: 17.75 ug/l
RT: 3.64 min Scan# 306
Delta R.T. -0.03 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	18.1	33.7
84	67.6	0.0	136.8





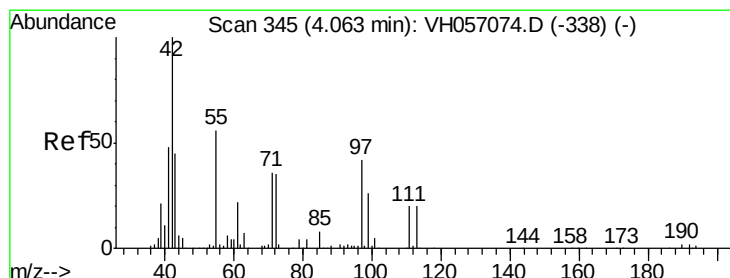
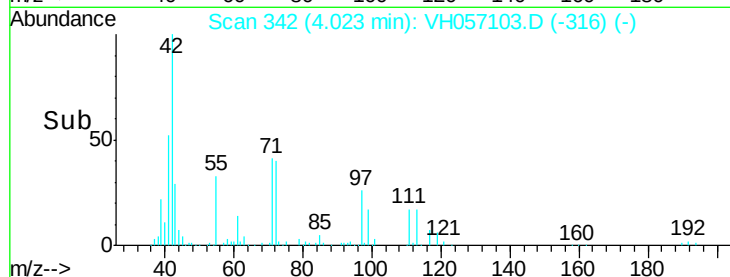
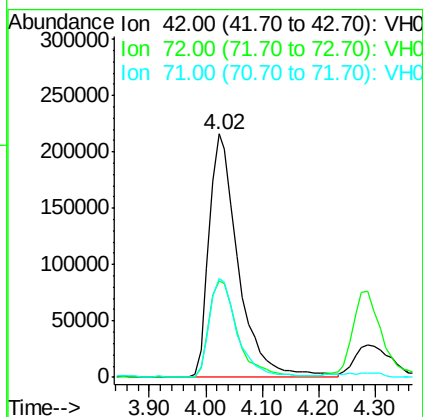
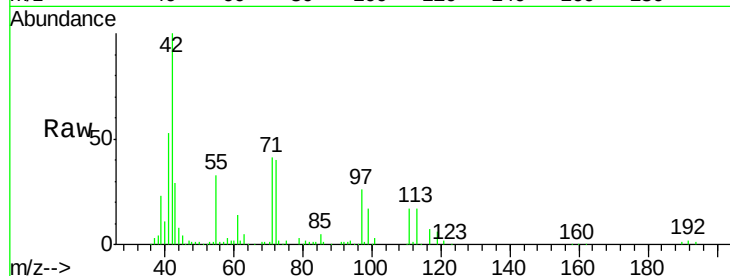
#31
Tetrahydrofuran
Concen: 86.46 ug/l
RT: 4.02 min Scan# 342
Delta R.T. -0.03 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.2	25.5	38.3#
71	38.8	25.4	38.0#

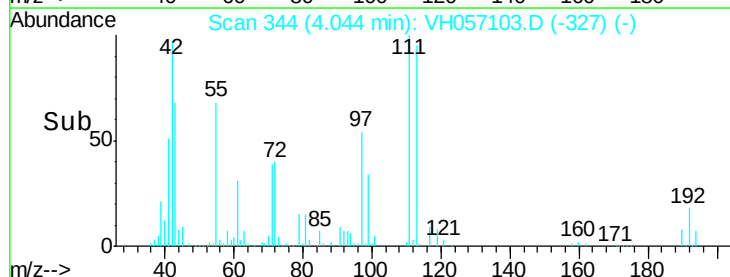
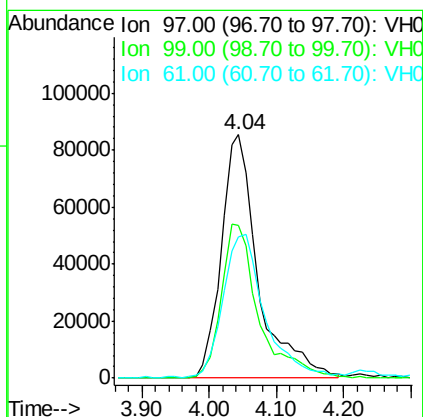
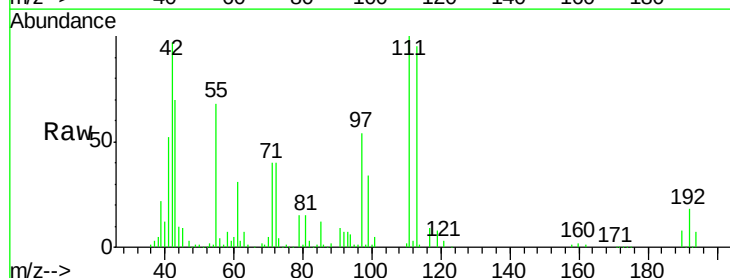
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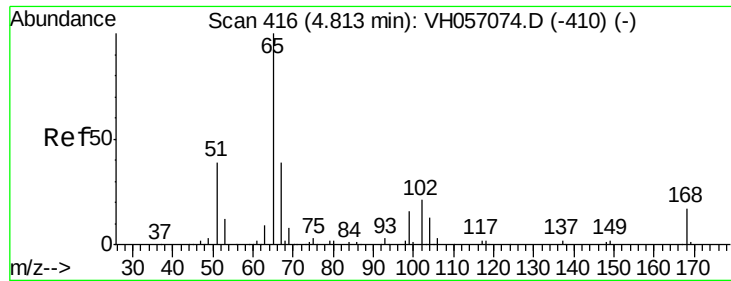
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#32
1,1,1-Trichloroethane
Concen: 18.20 ug/l
RT: 4.04 min Scan# 344
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	49.8	74.6
61	57.8	45.0	67.4





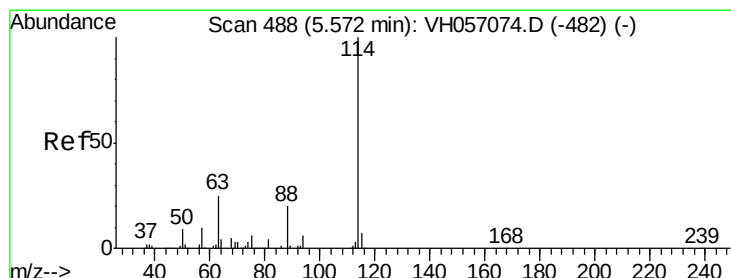
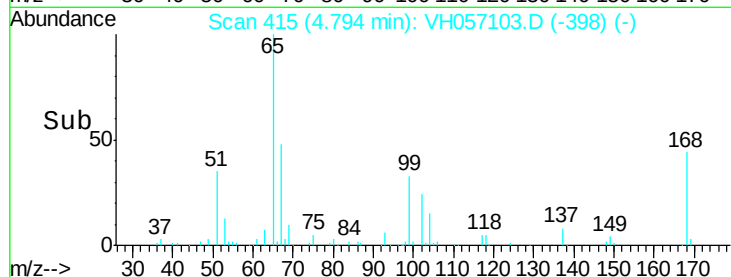
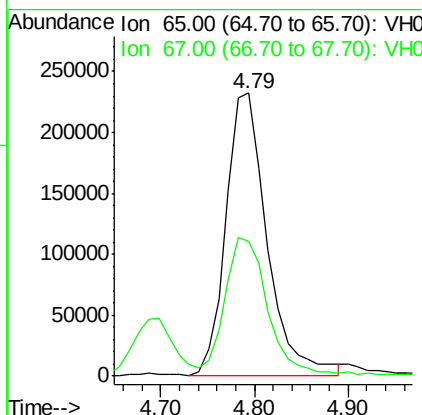
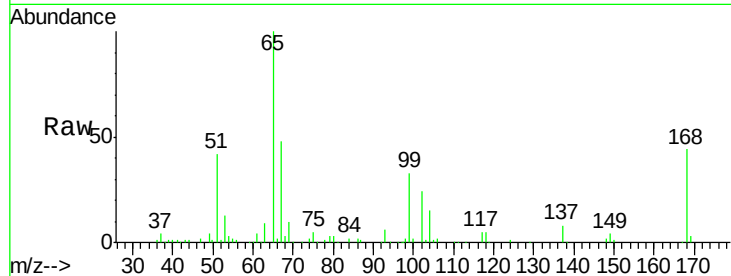
#33
 1,2-Dichloroethane-d4
 Concen: 40.91 ug/l
 RT: 4.79 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampled :
 VH0922MBS01

Tgt Ion: 65 Resp: 703956
 Ion Ratio Lower Upper
 65 100
 67 47.9 43.2 64.8

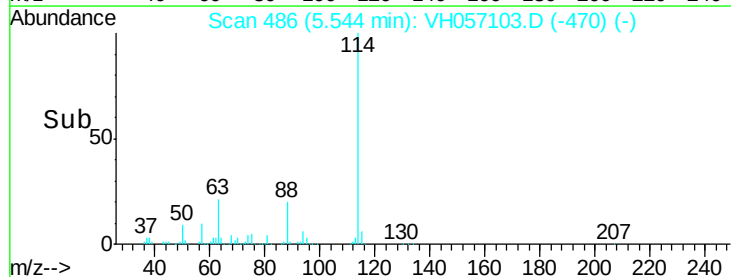
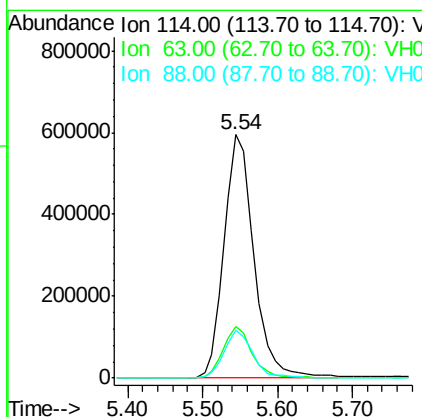
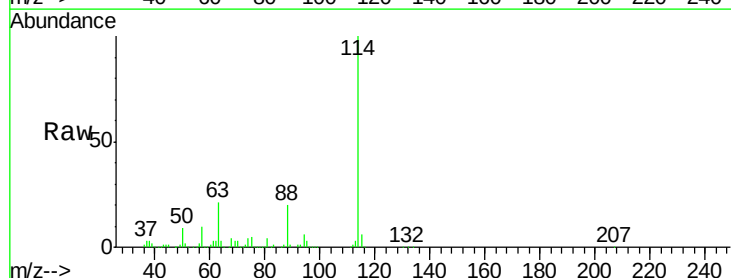
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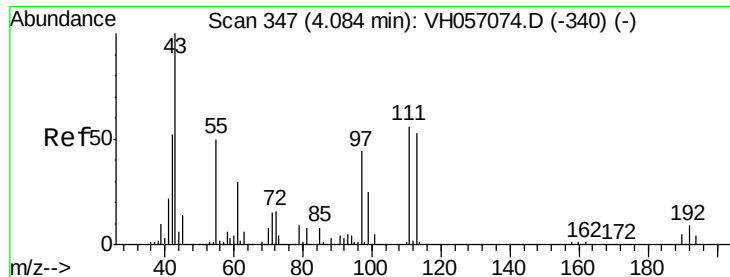
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion: 114 Resp: 1646726
 Ion Ratio Lower Upper
 114 100
 63 21.4 19.0 28.4
 88 19.5 15.7 23.5





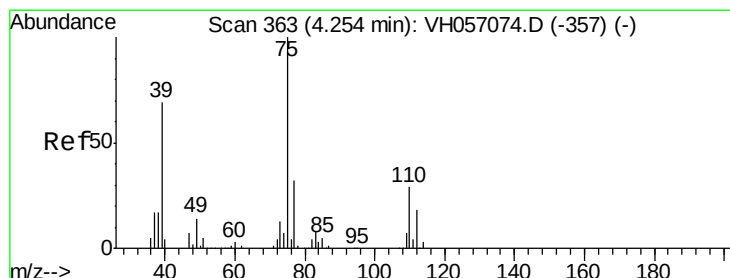
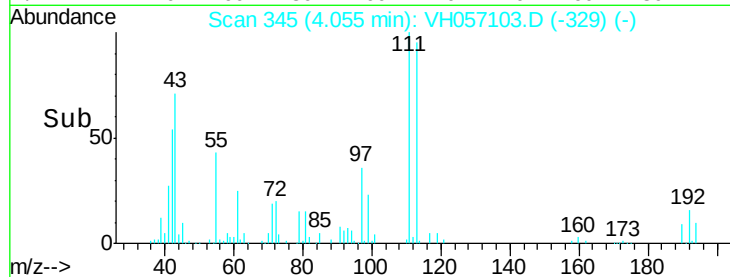
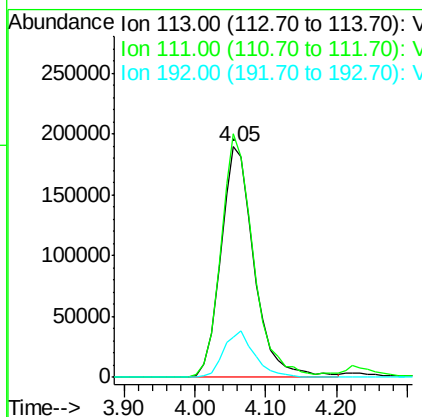
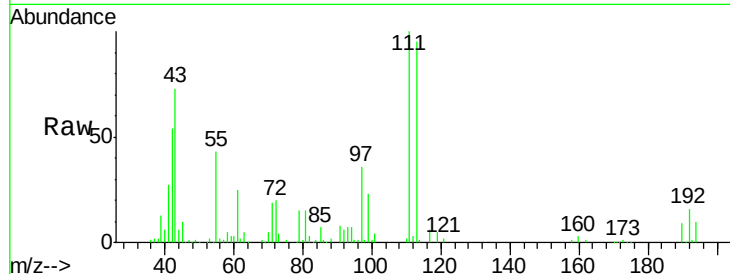
#35
 Dibromofluoromethane
 Concen: 47.88 ug/l
 RT: 4.05 min Scan# 345
 Delta R.T. -0.03 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	627781		
111	105.6	84.0	126.0	
192	17.3	13.6	20.4	

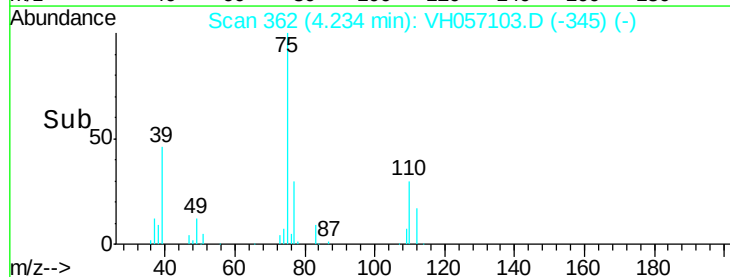
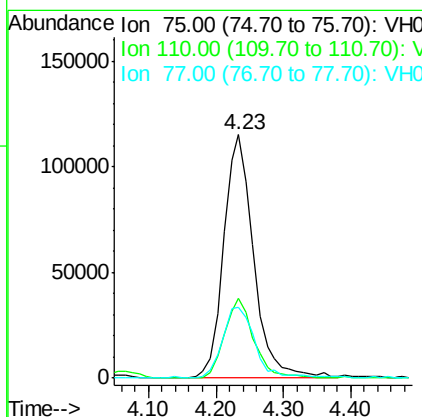
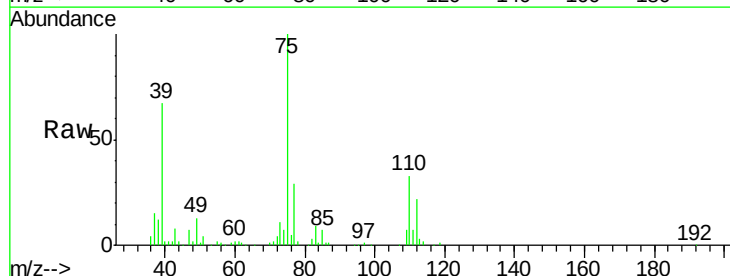
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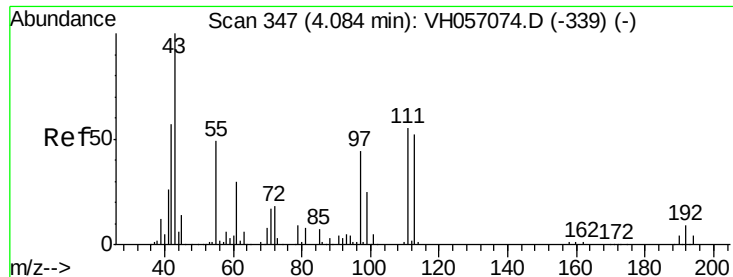
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#36
 1,1-Dichloropropene
 Concen: 19.72 ug/l
 RT: 4.23 min Scan# 362
 Delta R.T. -0.02 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	356824		
110	32.7	13.7	41.1	
77	29.1	24.0	36.0	





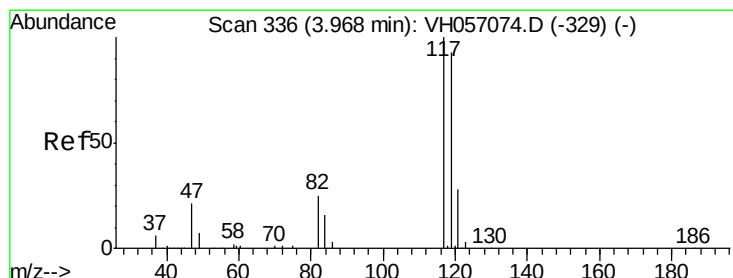
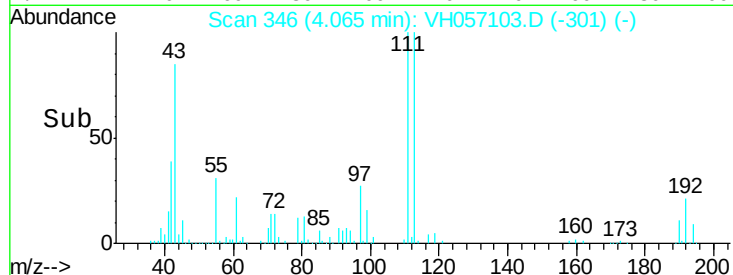
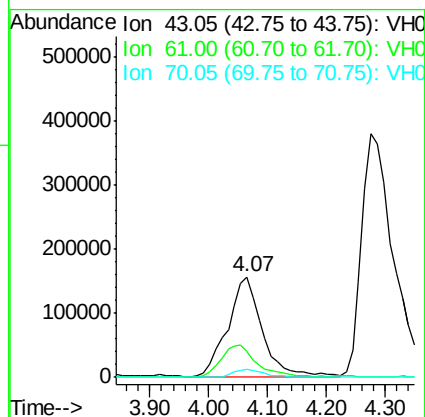
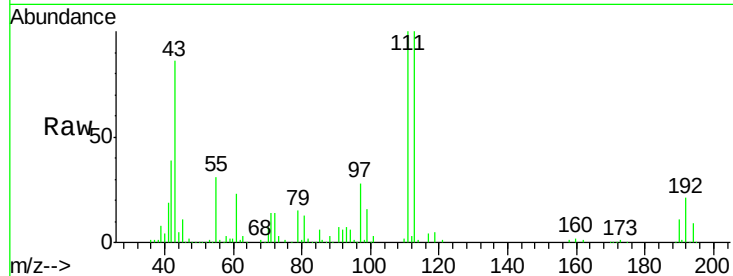
#37
Ethyl acetate
Concen: 18.46 ug/l
RT: 4.07 min Scan# 346
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion: 43 Resp: 626988
Ion Ratio Lower Upper
43 100
61 35.0 23.9 35.9
70 7.4 5.4 8.0

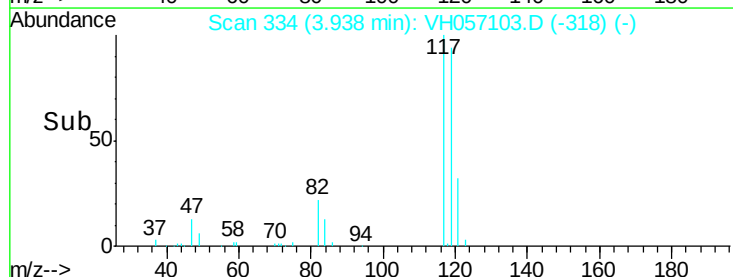
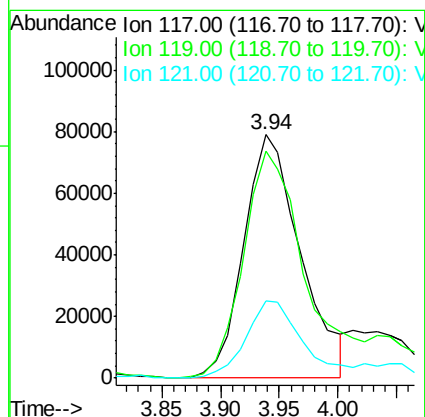
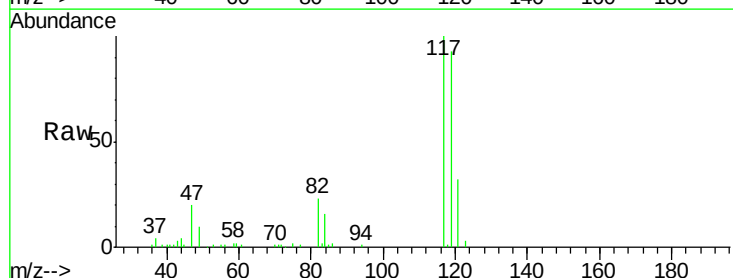
Manual Integrations
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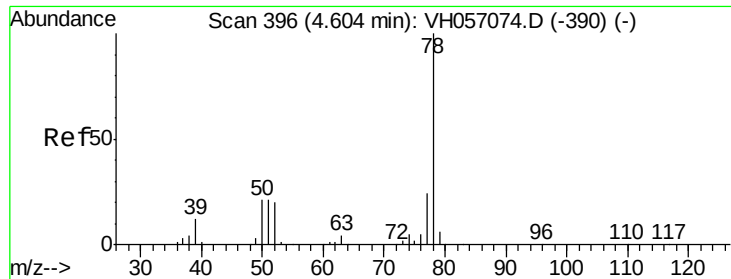
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#38
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 3.94 min Scan# 334
Delta R.T. -0.03 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion: 117 Resp: 265806
Ion Ratio Lower Upper
117 100
119 93.2 78.7 118.1
121 31.6 25.9 38.9





#39

Benzene

Concen: 20.62 ug/l

RT: 4.58 min Scan# 395

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 78 Resp: 888314

Ion Ratio Lower Upper

78 100

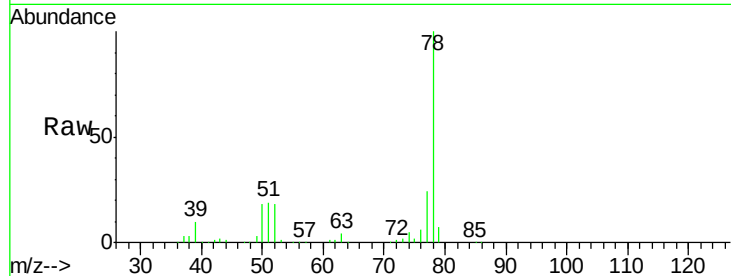
77 23.8 18.5 27.7

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0

4.58

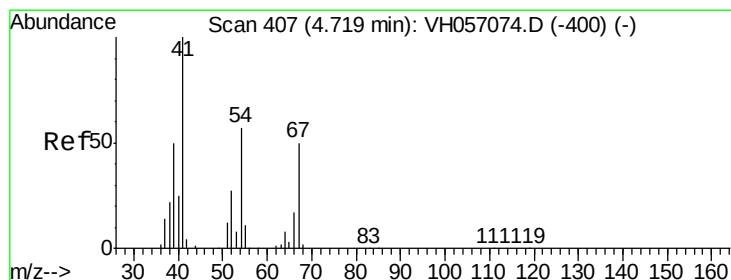
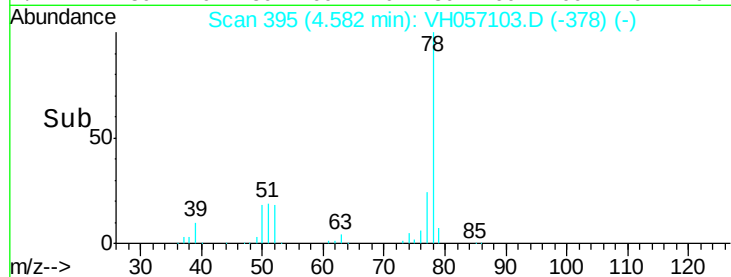
300000

200000

100000

0

Time-->



#40

Methacrylonitrile

Concen: 18.62 ug/l

RT: 4.69 min Scan# 405

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Tgt Ion: 41 Resp: 279885

Ion Ratio Lower Upper

41 100

39 51.1 25.1 75.2

67 51.0 22.5 67.5

52 41.7 19.0 57.0

Abundance Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

Ion 67.00 (66.70 to 67.70): VH0

Ion 52.00 (51.70 to 52.70): VH0

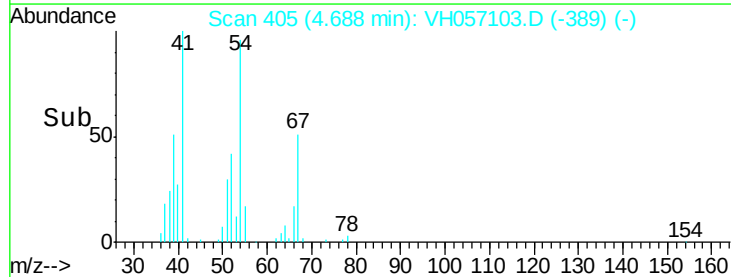
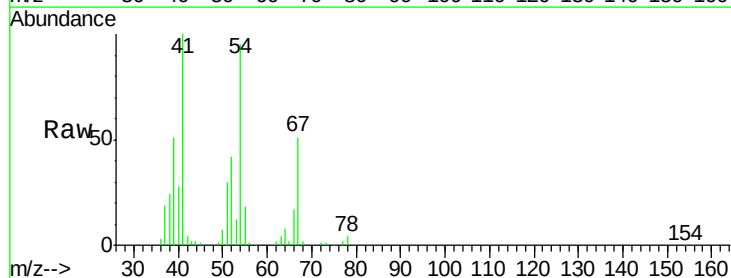
150000

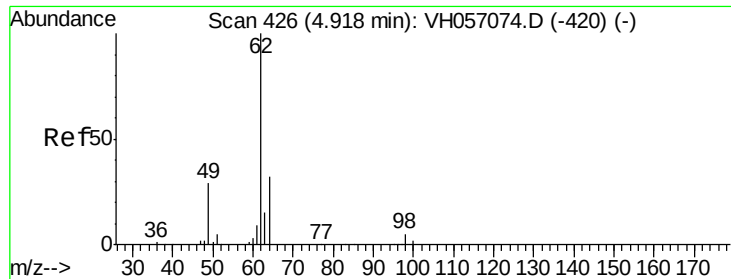
100000

50000

0

Time-->





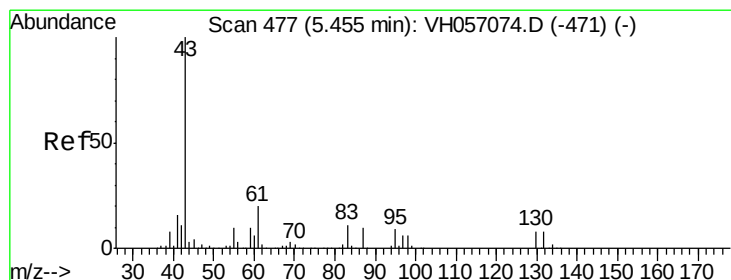
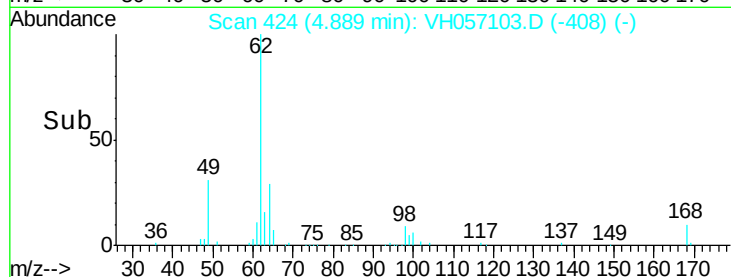
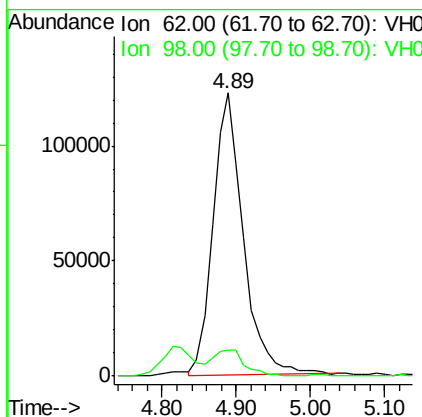
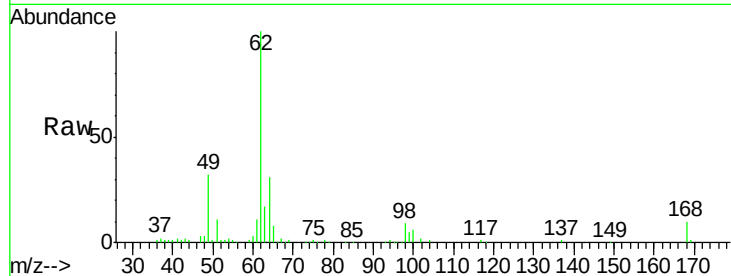
#41
 1,2-Dichloroethane
 Concen: 18.29 ug/l
 RT: 4.89 min Scan# 424
 Delta R.T. -0.03 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	347853		
98	9.2	7.3	10.9	

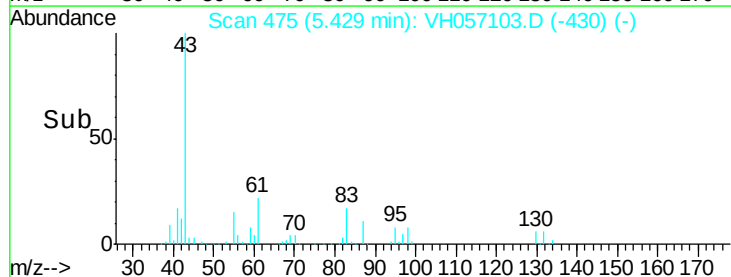
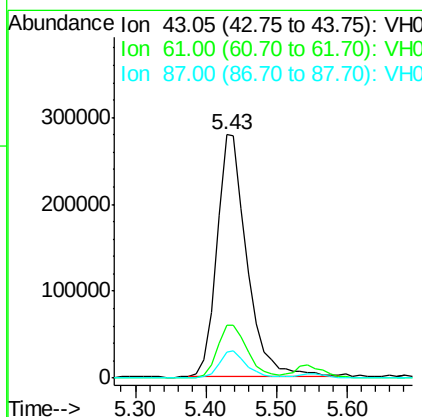
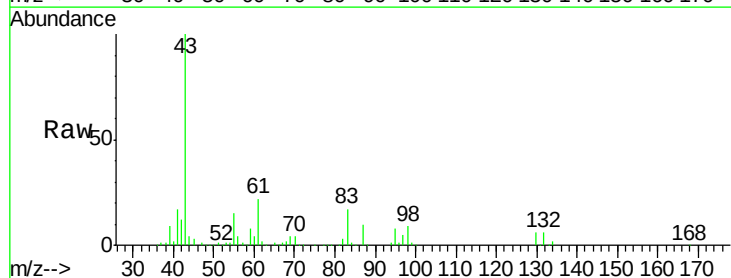
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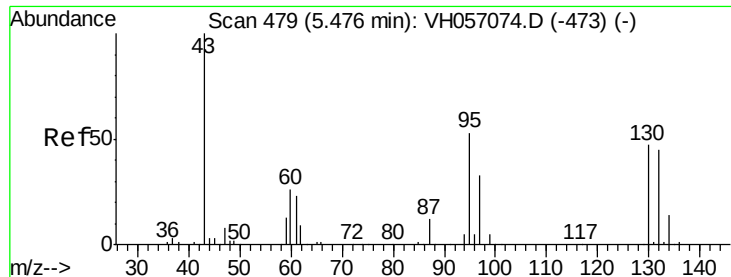
MMDadoda
 9/23/2015 11:46:47 AM



#42
 Isopropyl Acetate
 Concen: 18.47 ug/l
 RT: 5.43 min Scan# 475
 Delta R.T. -0.03 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	818963		
61	21.9	15.8	23.6	
87	10.5	7.0	10.6	





#43

Trichloroethene

Concen: 22.11 ug/l

RT: 5.45 min Scan# 477

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 130 Resp: 242057

Ion Ratio Lower Upper

130 100

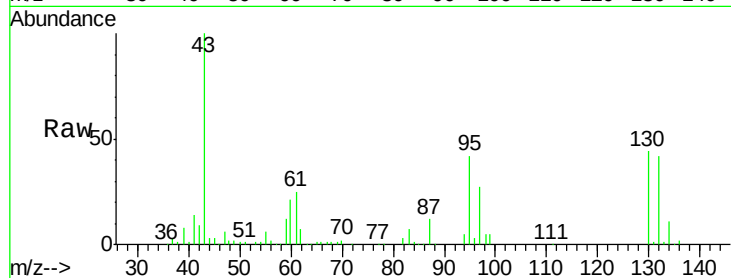
95 95.5 84.0 126.0

Manual Integrations

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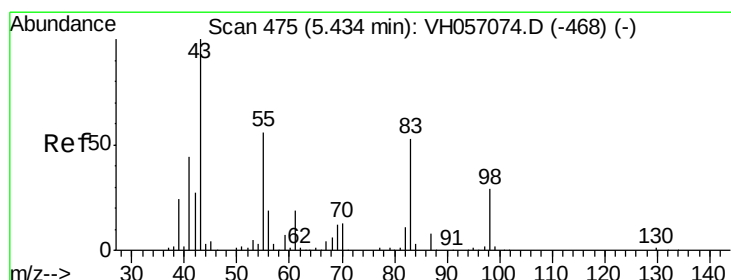
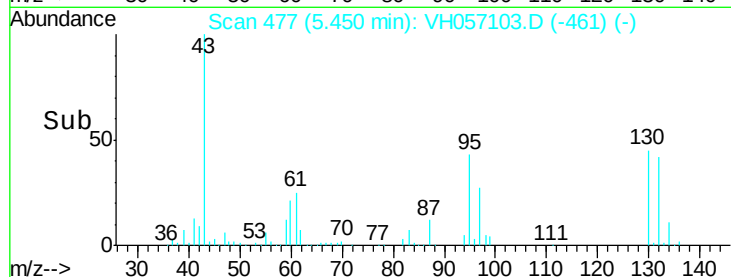
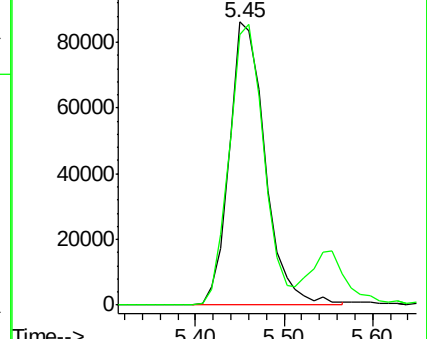
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VH0



#44

Methylcyclohexane

Concen: 20.90 ug/l

RT: 5.41 min Scan# 473

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

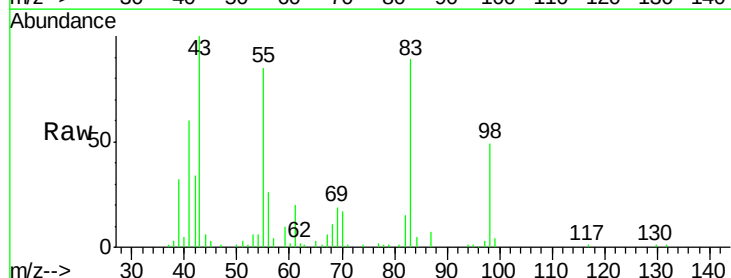
Tgt Ion: 83 Resp: 217952

Ion Ratio Lower Upper

83 100

55 95.0 0.0 207.2

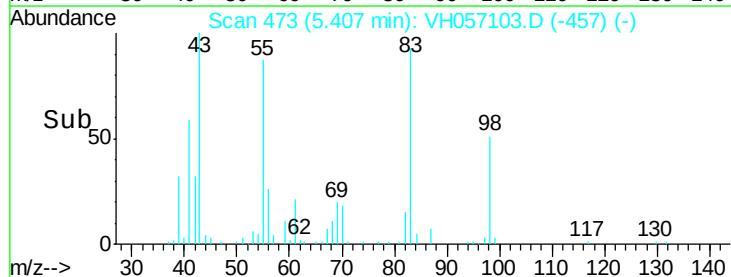
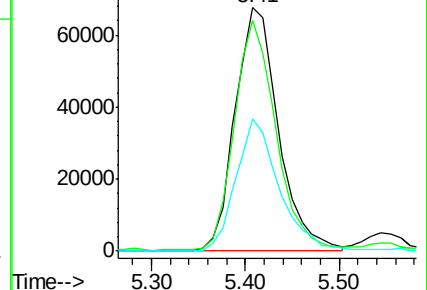
98 54.4 0.0 108.4

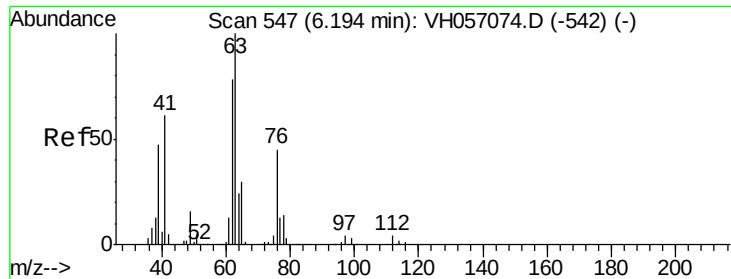


Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

Ion 98.00 (97.70 to 98.70): VH0





#45

1,2-Dichloropropane

Concen: 18.88 ug/l

RT: 6.18 min Scan# 547

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 63 Resp: 257841

Ion Ratio Lower Upper

63 100

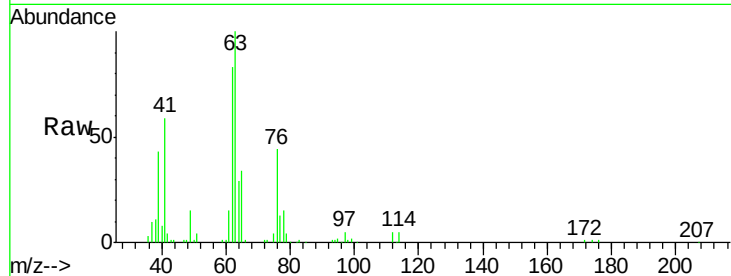
65 33.6 23.8 35.8

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Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 65.00 (64.70 to 65.70): VH0

6.18

100000

80000

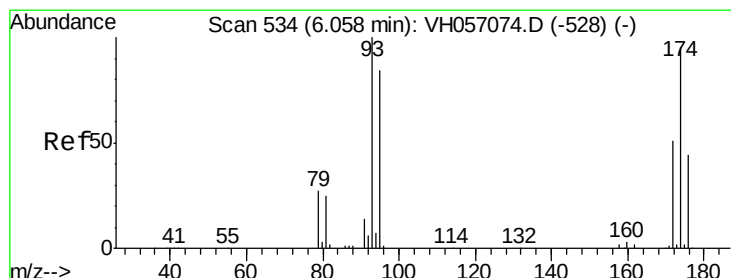
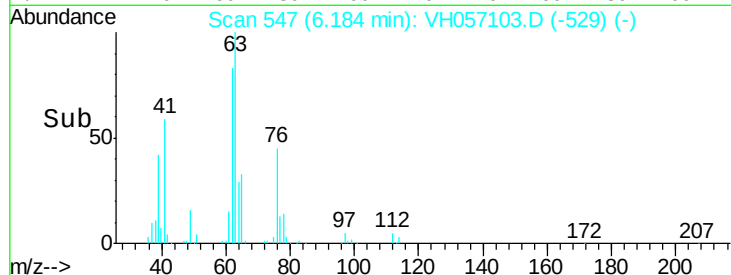
60000

40000

20000

0

Time--> 6.00 6.10 6.20 6.30



#46

Dibromomethane

Concen: 19.95 ug/l

RT: 6.04 min Scan# 533

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

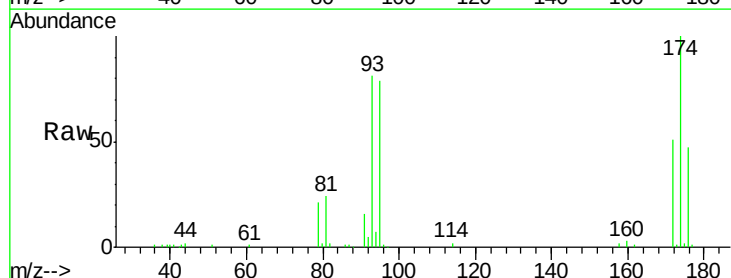
Tgt Ion: 93 Resp: 177237

Ion Ratio Lower Upper

93 100

95 97.1 69.5 104.3

174 122.9 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

6.04

80000

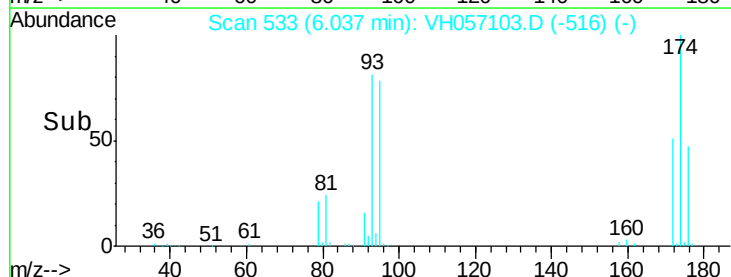
60000

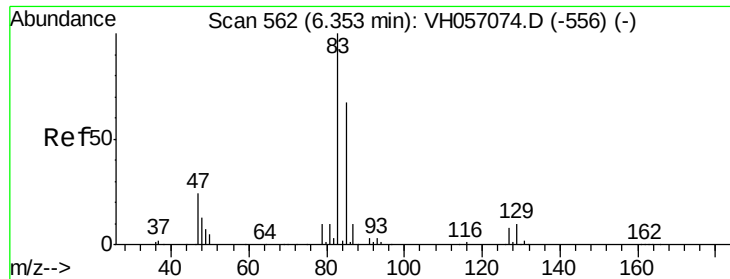
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#47

Bromodichloromethane

Concen: 19.77 ug/l

RT: 6.33 min Scan# 561

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

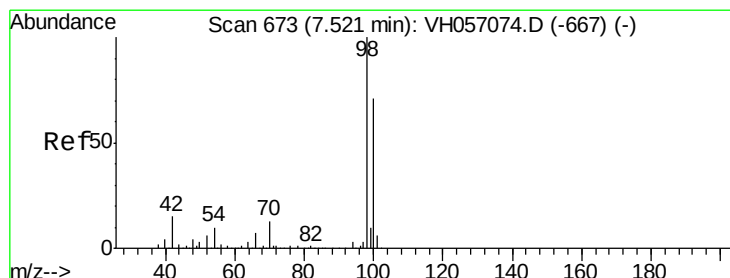
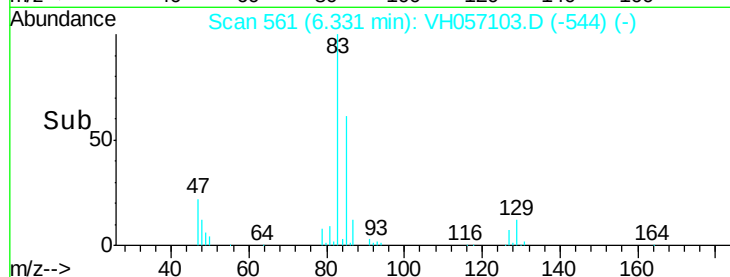
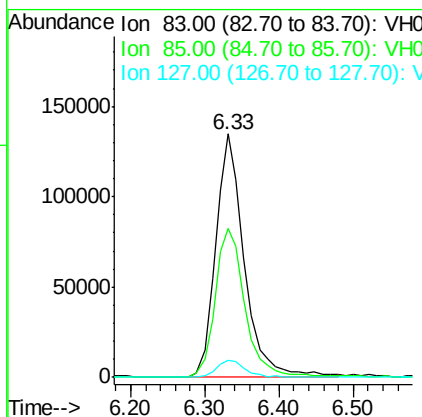
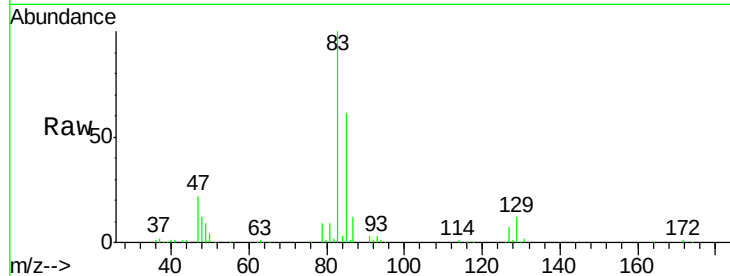
ClientSampleId :

VH0922MBS01

Tgt Ion:	83	Resp:	359656
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.6	78.8
127	7.2	6.8	10.2

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#48

Toluene-d8

Concen: 45.54 ug/l

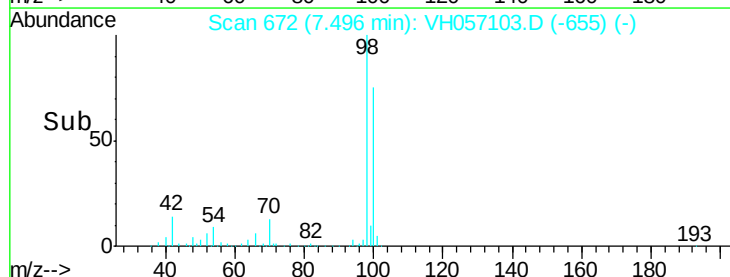
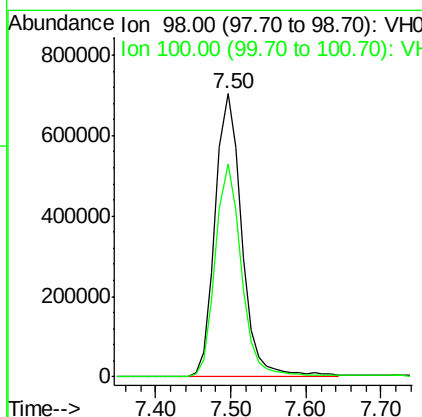
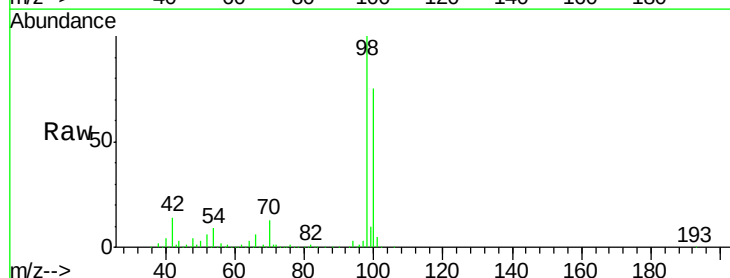
RT: 7.50 min Scan# 672

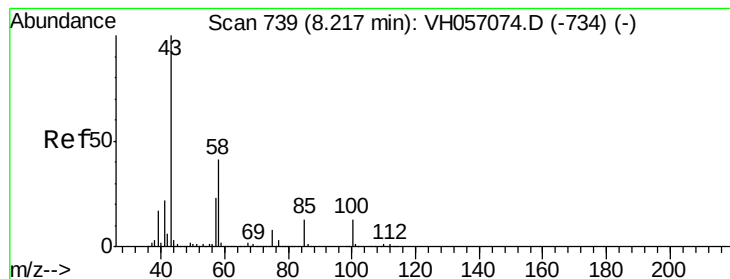
Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Tgt Ion:	98	Resp:	1716700
Ion	Ratio	Lower	Upper
98	100		
100	75.5	56.7	85.1





#49

4-Methyl-2-Pentanone

Concen: 93.57 ug/l

RT: 8.19 min Scan# 738

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampled :

VH0922MBS01

Tgt Ion: 43 Resp: 2513910

Ion Ratio Lower Upper

43 100

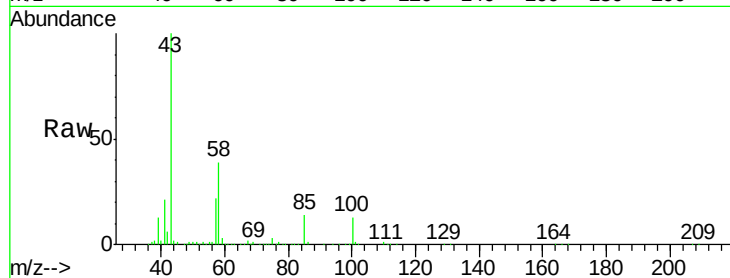
58 39.2 20.0 60.0

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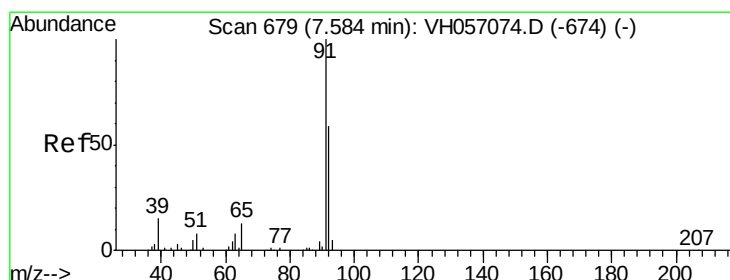
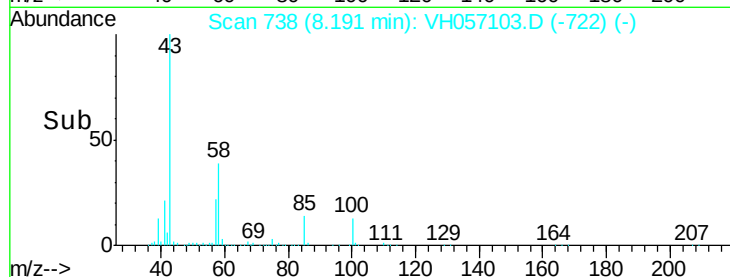
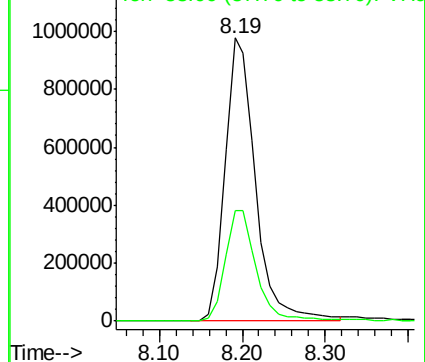
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Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#50

Toluene

Concen: 20.18 ug/l

RT: 7.57 min Scan# 679

Delta R.T. -0.01 min

Lab File: VH057103.D

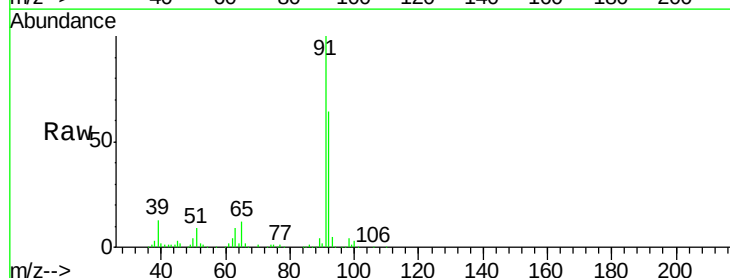
Acq: 22 Sep 2015 13:40

Tgt Ion: 92 Resp: 556831

Ion Ratio Lower Upper

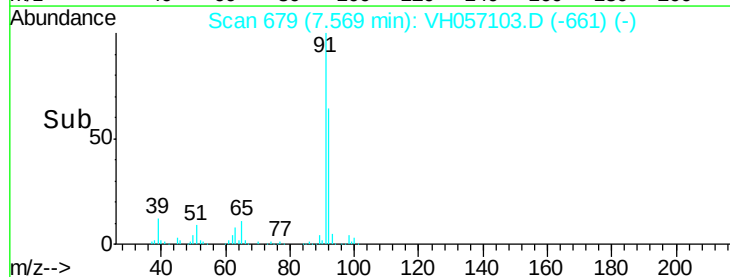
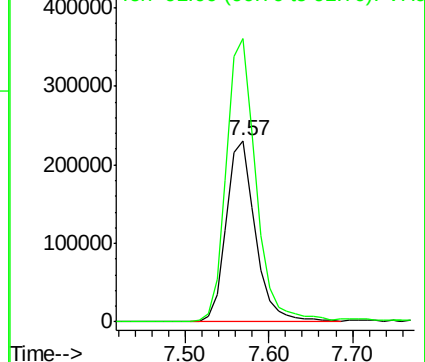
92 100

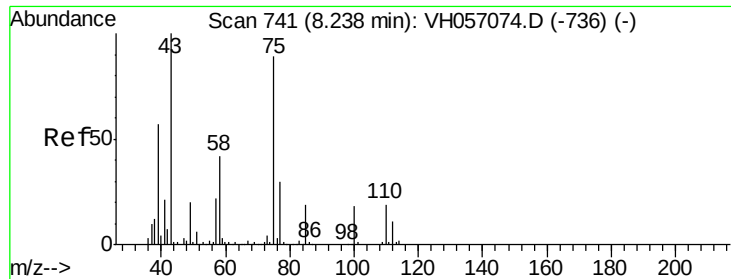
91 155.9 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH0

Ion 91.00 (90.70 to 91.70): VH0





#51

t-1,3-Dichloropropene

Concen: 19.47 ug/l

RT: 8.21 min Scan# 740

Delta R.T. -0.03 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 75 Resp: 406194

Ion Ratio Lower Upper

75 100

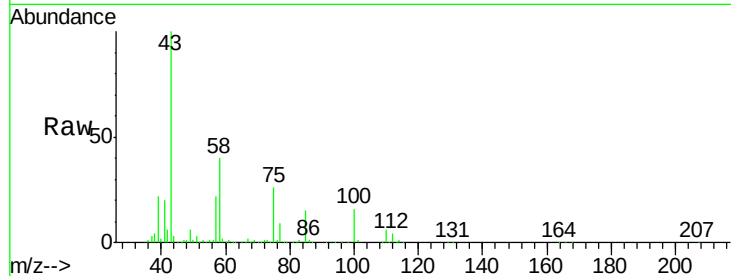
77 33.3 26.2 39.2

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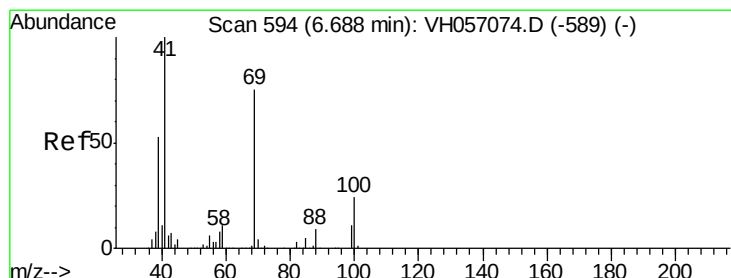
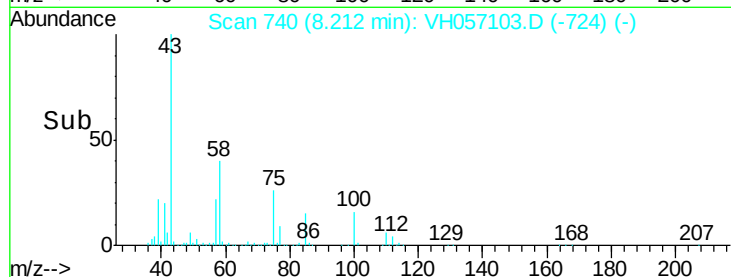
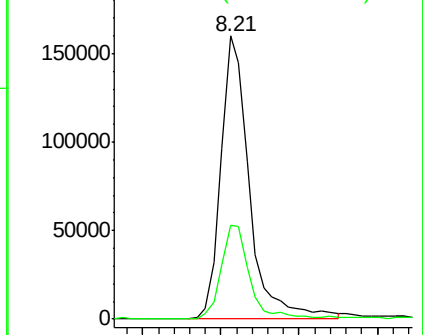
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Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0



#52

Methyl Methacrylate

Concen: 20.38 ug/l

RT: 6.67 min Scan# 593

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

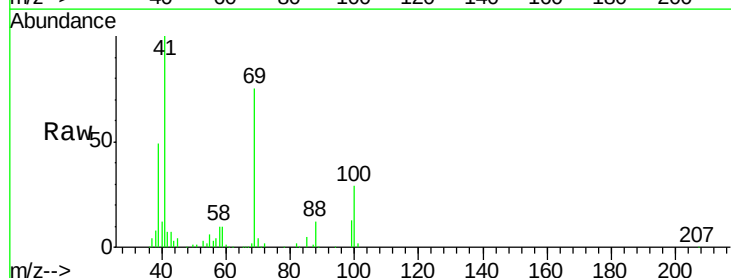
Tgt Ion: 69 Resp: 275454

Ion Ratio Lower Upper

69 100

41 133.3 70.0 209.8

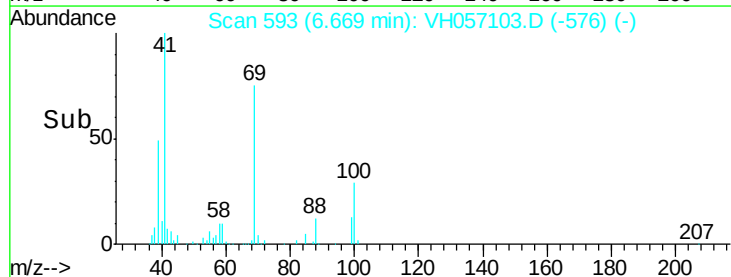
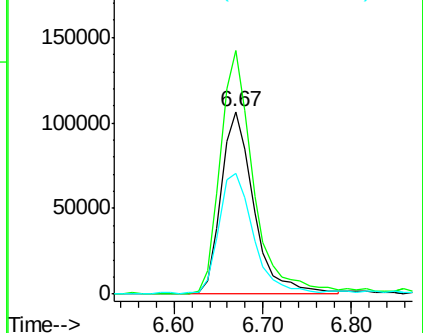
39 65.8 37.5 112.5

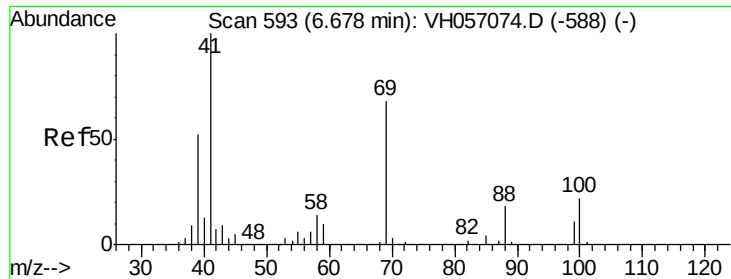


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





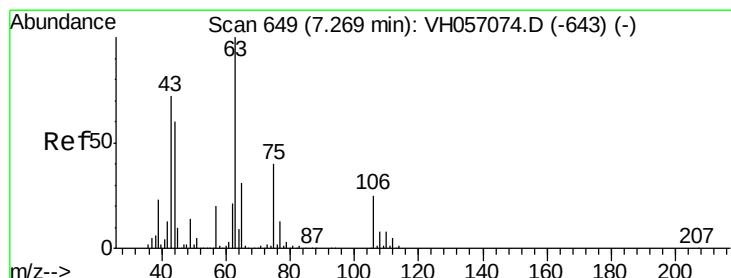
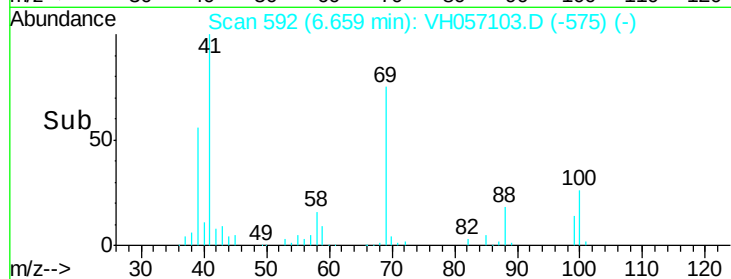
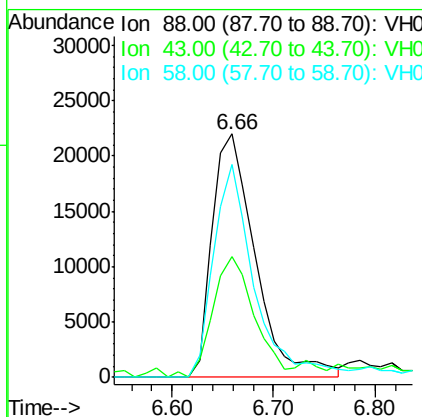
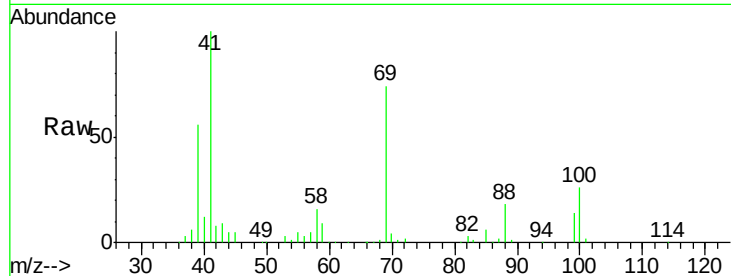
#53
1,4-Dioxane
Concen: 409.98 ug/l
RT: 6.66 min Scan# 592
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	65001		
43	49.8	39.6	59.4	
58	87.2	61.4	92.2	

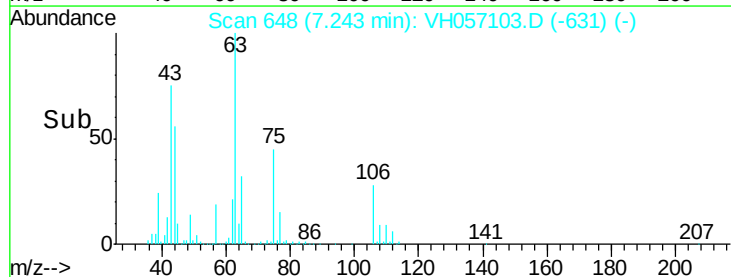
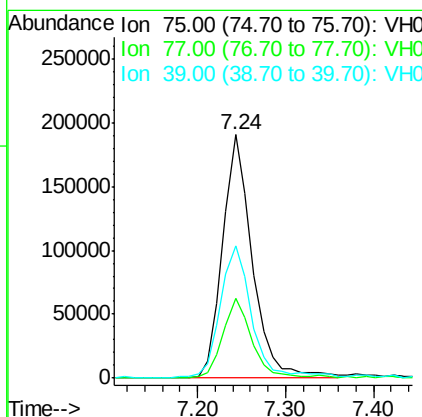
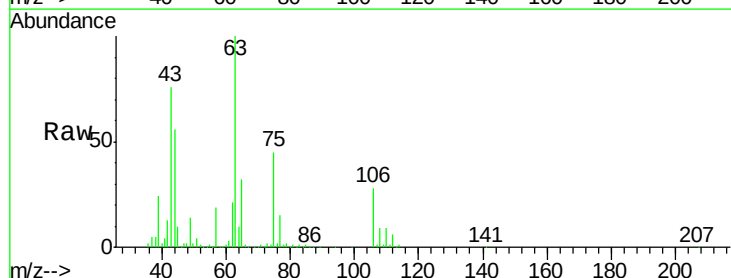
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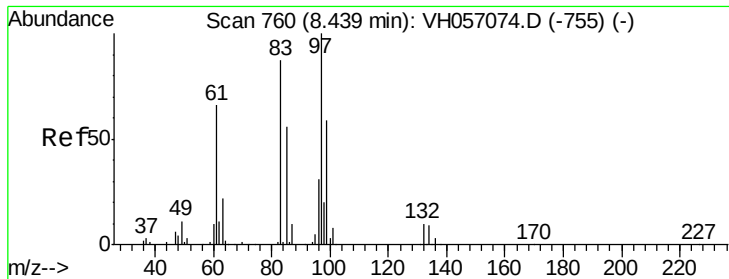
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#54
cis-1,3-Dichloropropene
Concen: 20.22 ug/l
RT: 7.24 min Scan# 648
Delta R.T. -0.03 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	447962		
77	32.8	25.2	37.8	
39	54.2	50.7	76.1	





#55

1,1,2-Trichloroethane

Concen: 20.68 ug/l

RT: 8.42 min Scan# 760

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

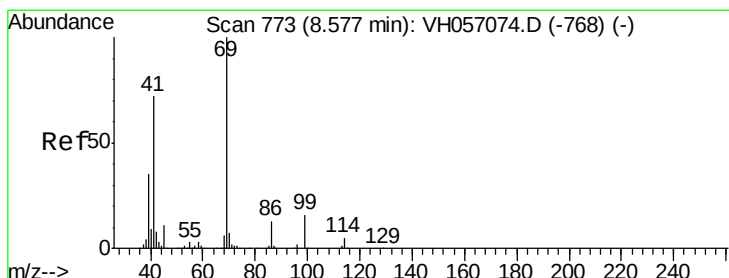
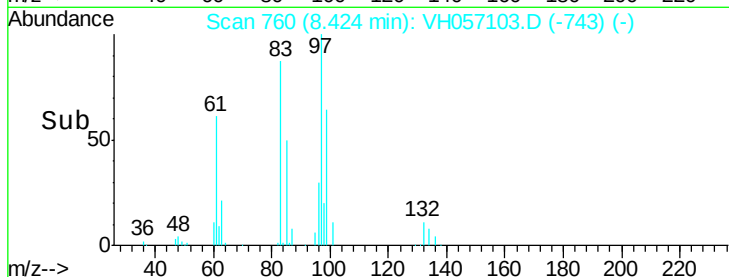
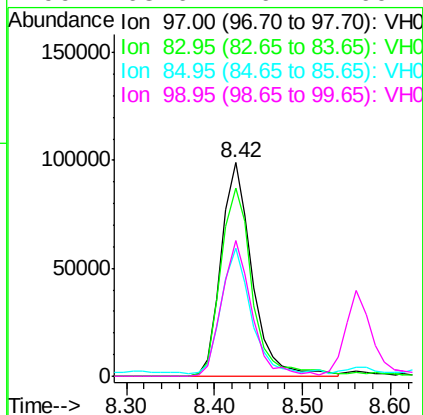
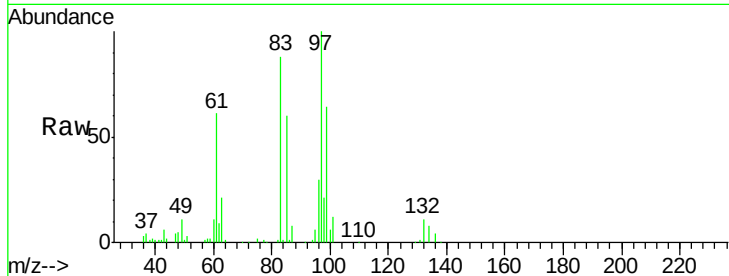
ClientSampleId :

VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	72.7	109.1
85	59.7	45.5	68.3
99	63.6	46.2	69.2

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#56

Ethyl Methacrylate

Concen: 19.65 ug/l

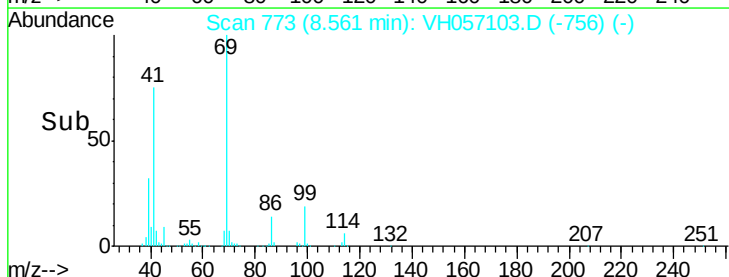
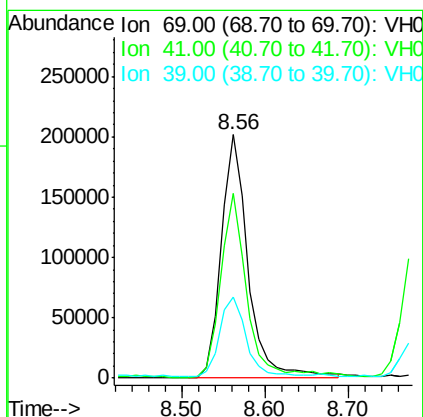
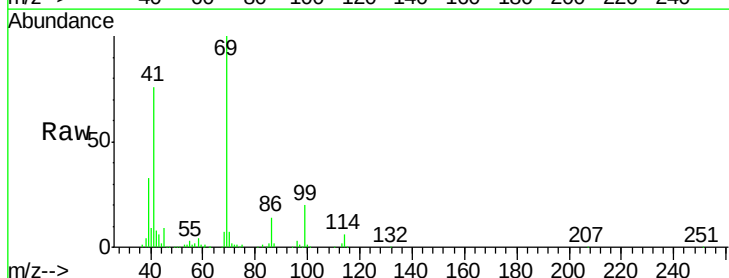
RT: 8.56 min Scan# 773

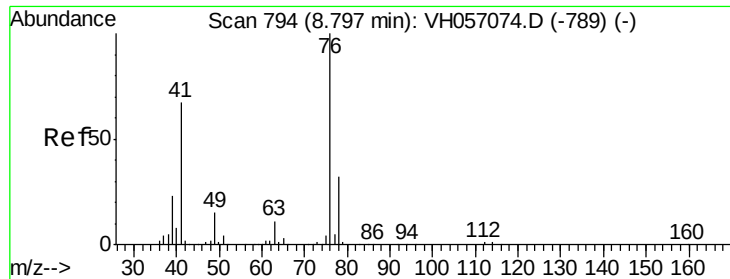
Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.6	39.1	117.3
39	33.3	19.2	57.6





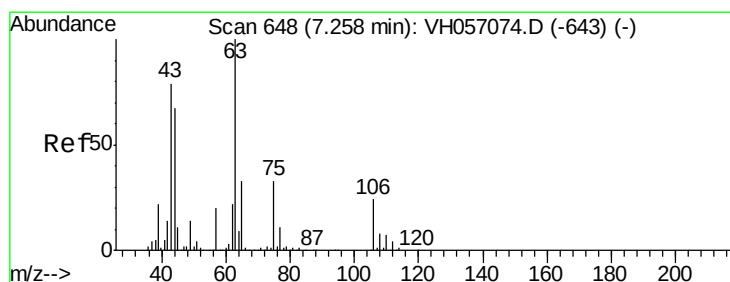
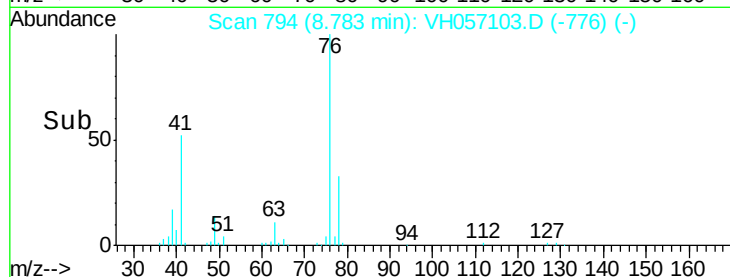
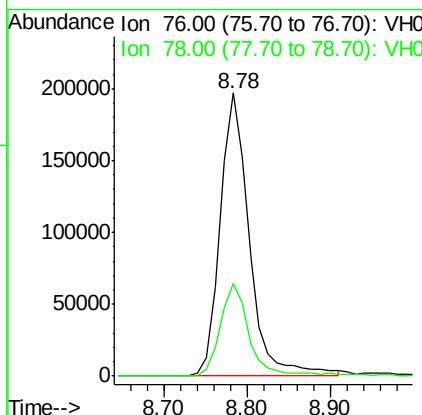
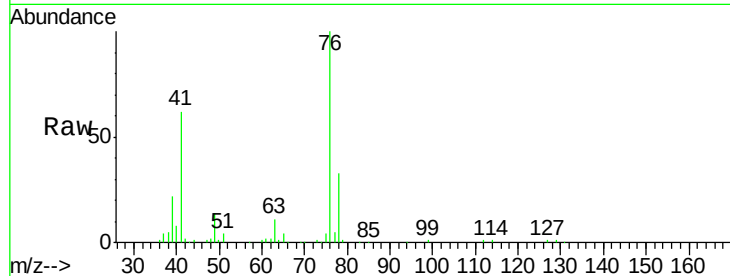
#57
 1,3-Dichloropropane
 Concen: 20.00 ug/l
 RT: 8.78 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion: 76 Resp: 476367
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

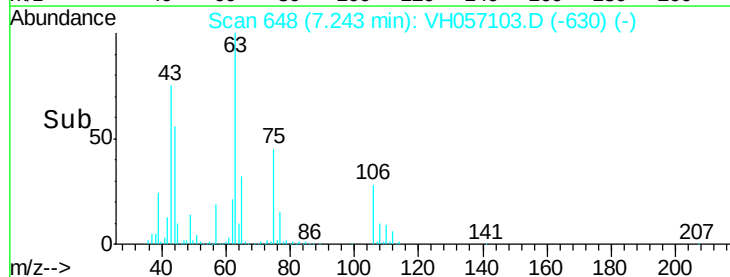
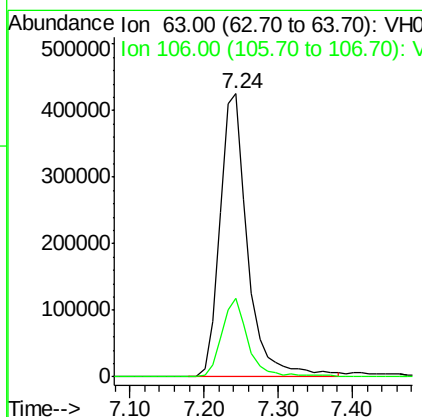
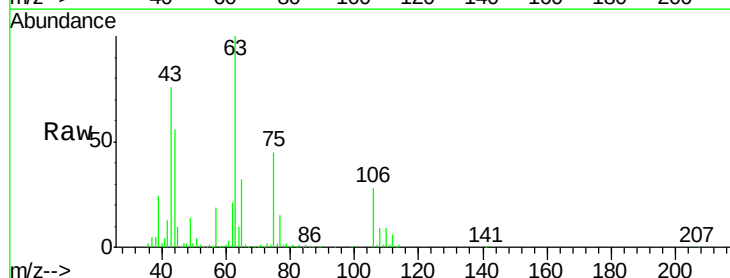
Manual Integrations
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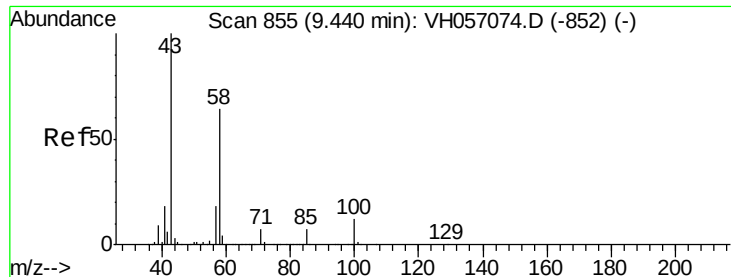
MMDadoda
 9/23/2015 11:46:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.61 ug/l
 RT: 7.24 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion: 63 Resp: 1116235
 Ion Ratio Lower Upper
 63 100
 106 27.6 18.0 27.0#





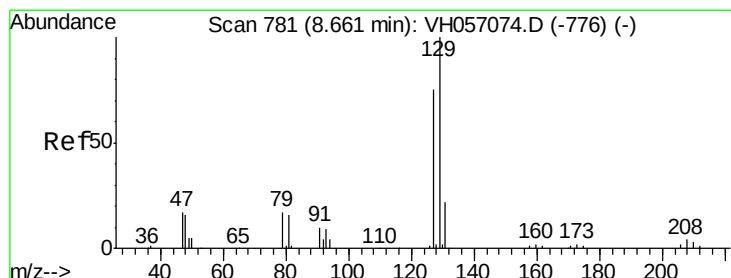
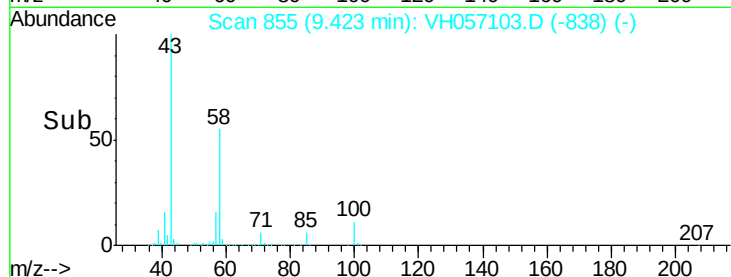
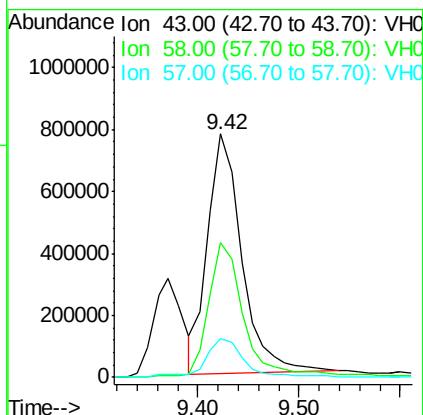
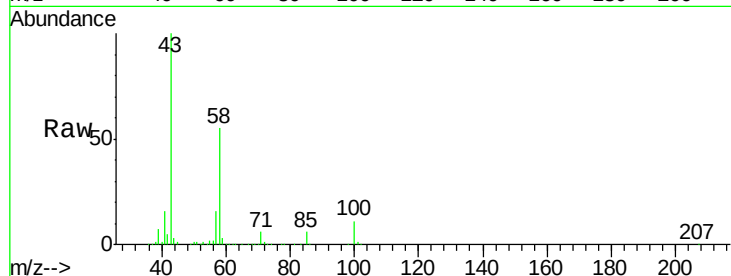
#59
2-Hexanone
Concen: 86.88 ug/l
RT: 9.42 min Scan# 855
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion: 43 Resp: 1823713
Ion Ratio Lower Upper
43 100
58 55.3 27.1 81.2
57 15.8 8.1 24.3

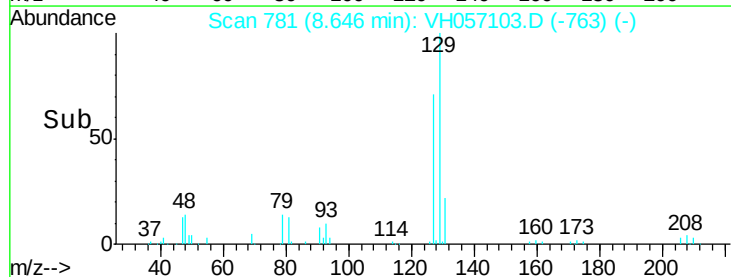
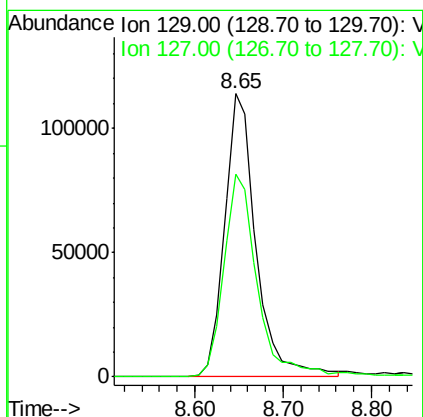
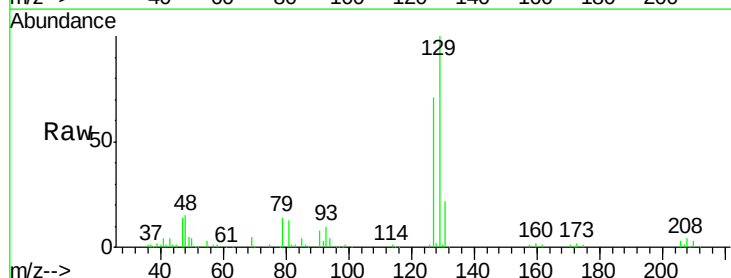
Manual Integrations
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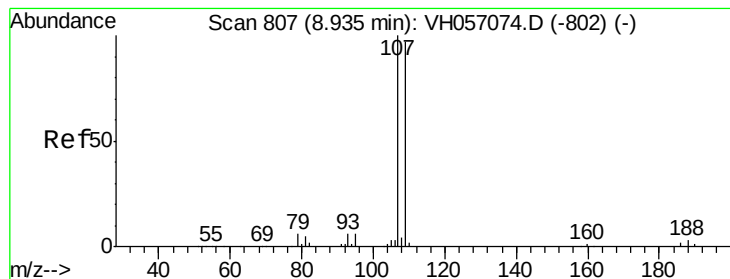
MMDadoda
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#60
Dibromochloromethane
Concen: 21.55 ug/l
RT: 8.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion: 129 Resp: 286107
Ion Ratio Lower Upper
129 100
127 71.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.48 ug/l

RT: 8.92 min Scan# 807

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 107 Resp: 289450

Ion Ratio Lower Upper

107 100

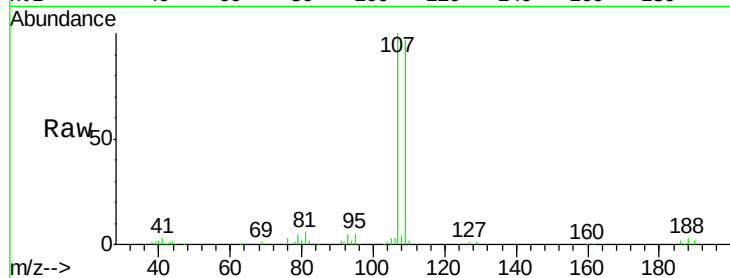
109 97.3 77.7 116.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

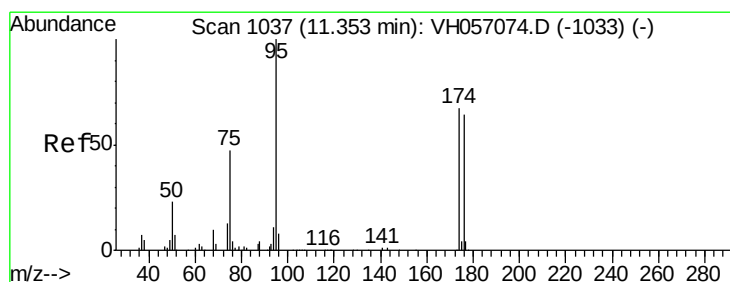
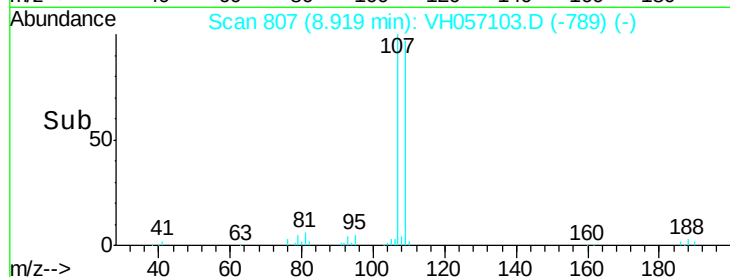
40000

20000

0

8.80 8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.62 ug/l

RT: 11.34 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

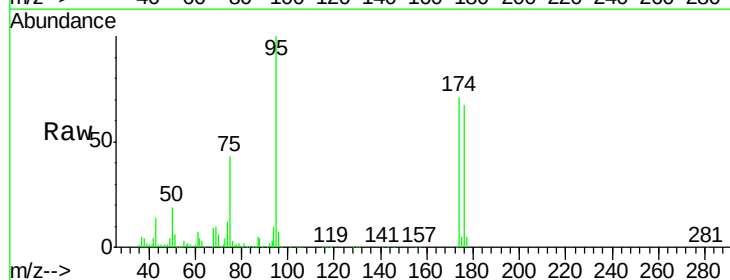
Tgt Ion: 95 Resp: 605488

Ion Ratio Lower Upper

95 100

174 70.7 58.4 87.6

176 66.8 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

400000

300000

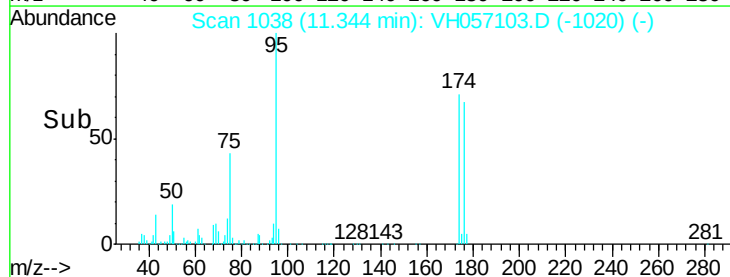
200000

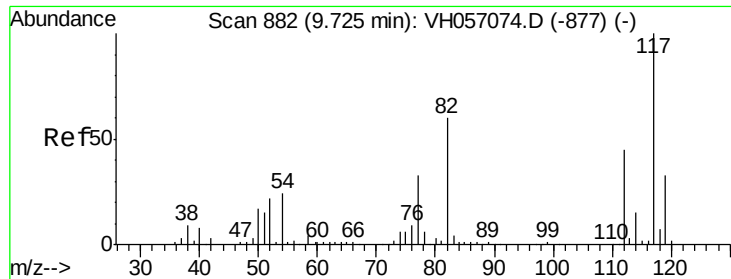
100000

0

11.30 11.40

Time-->





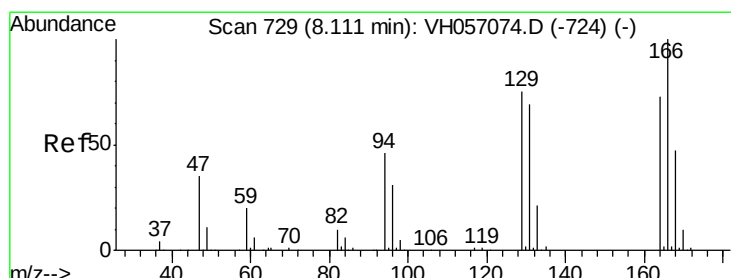
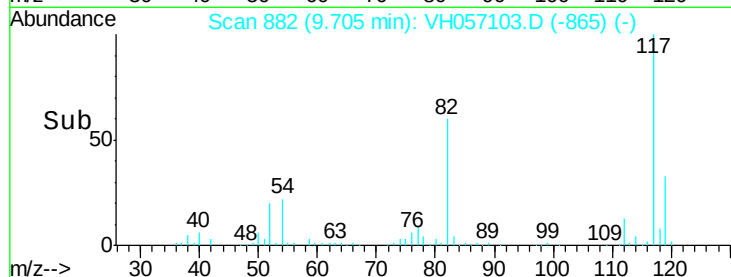
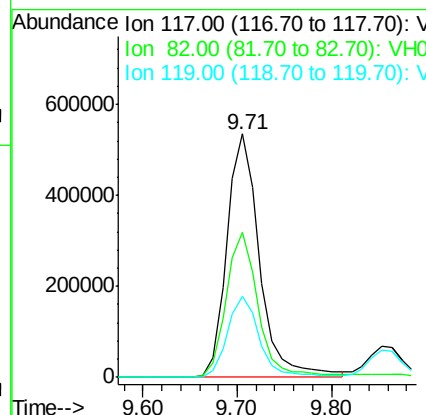
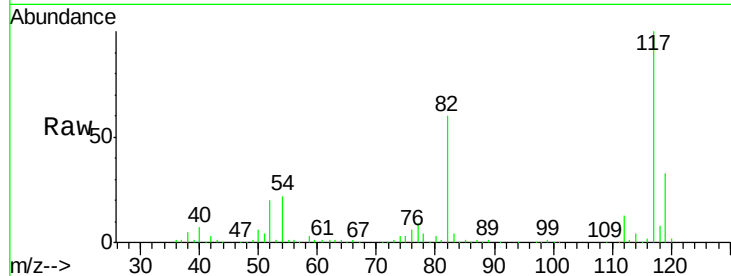
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.71 min Scan# 882
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion:117 Resp: 1306378
Ion Ratio Lower Upper
117 100
82 59.8 51.0 76.6
119 33.1 26.7 40.1

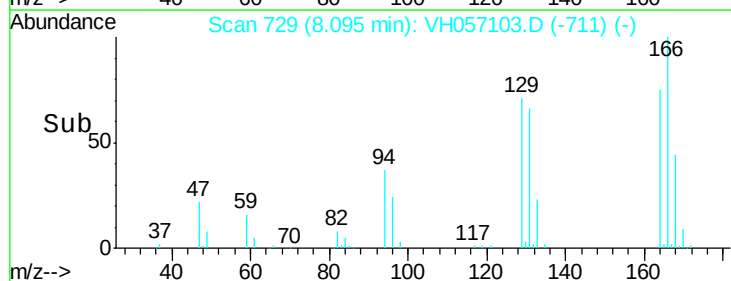
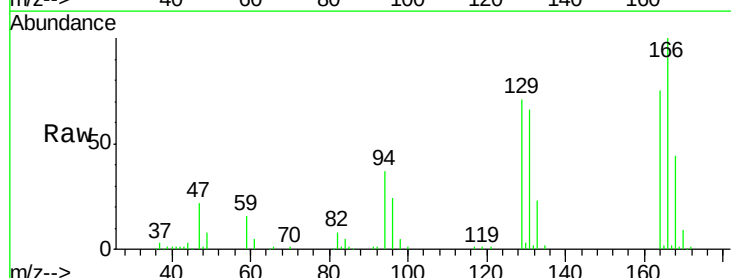
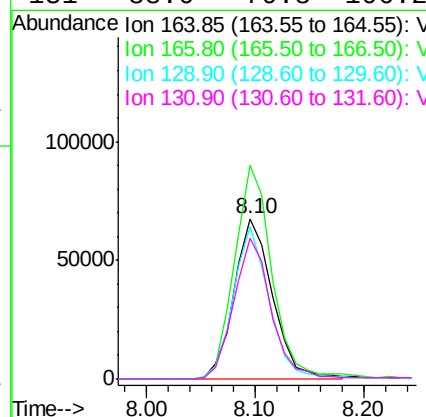
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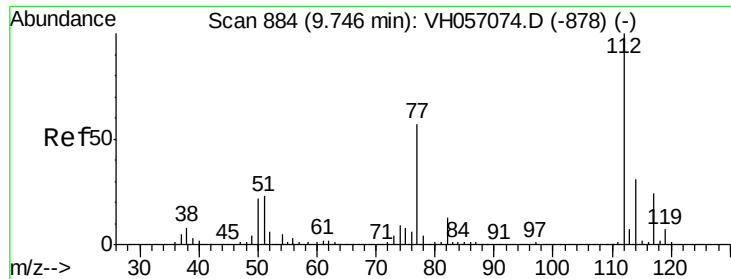
MMDadoda
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#64
Tetrachloroethene
Concen: 22.41 ug/l
RT: 8.10 min Scan# 729
Delta R.T. -0.02 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion:164 Resp: 165879
Ion Ratio Lower Upper
164 100
166 133.0 103.2 154.8
129 94.5 73.4 110.0
131 88.0 70.8 106.2





#65

Chlorobenzene

Concen: 20.90 ug/l

RT: 9.73 min Scan# 884

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion:112 Resp: 594159

Ion Ratio Lower Upper

112 100

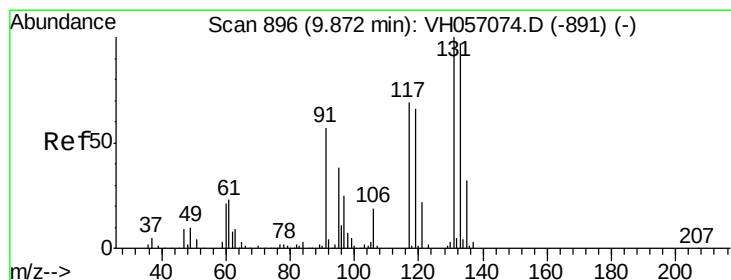
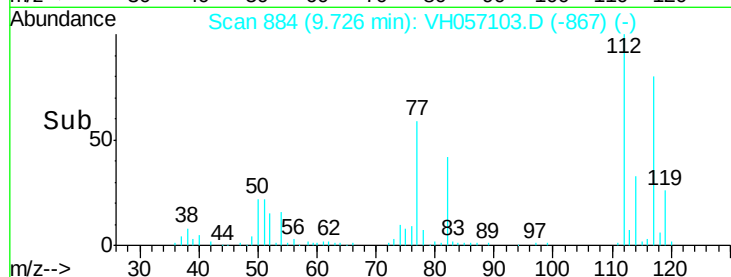
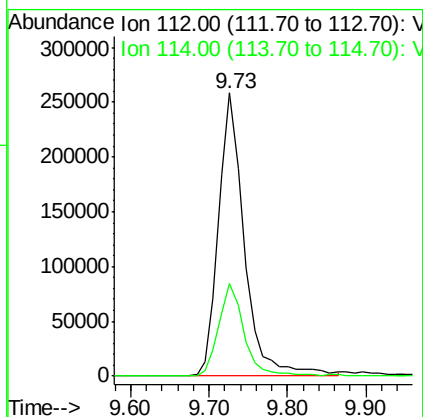
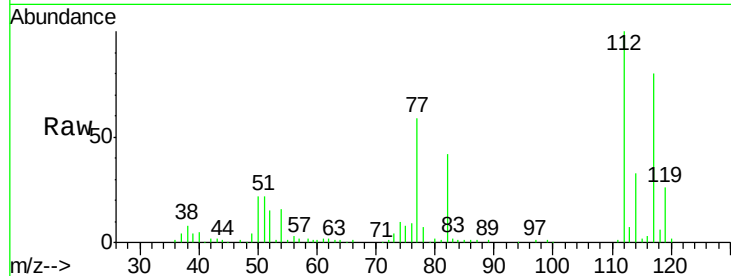
114 32.6 26.3 39.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.87 ug/l

RT: 9.85 min Scan# 896

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

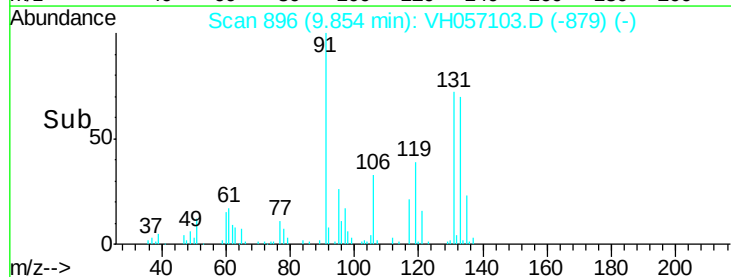
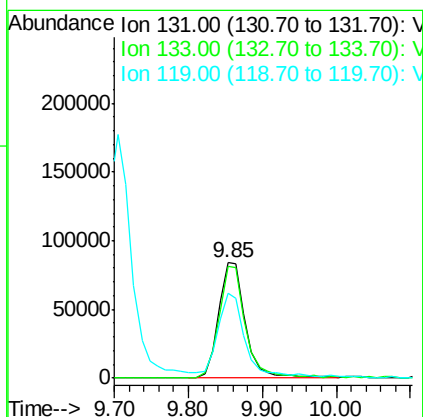
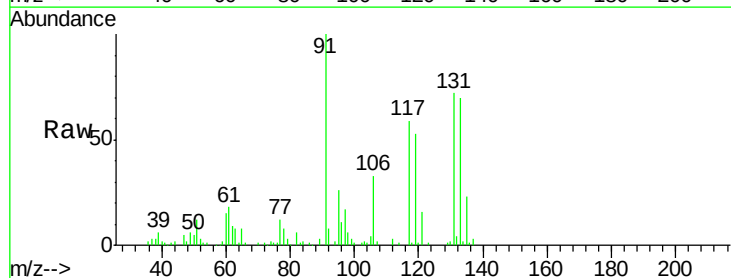
Tgt Ion:131 Resp: 214483

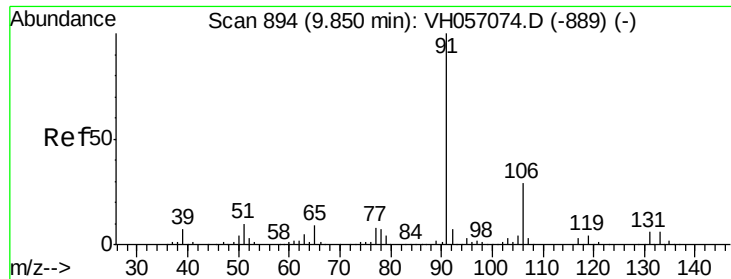
Ion Ratio Lower Upper

131 100

133 97.3 51.1 153.3

119 73.2 36.3 108.9





#67

Ethyl Benzene

Concen: 21.33 ug/l

RT: 9.83 min Scan# 894

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion:106 Resp: 290158

Ion Ratio Lower Upper

106 100

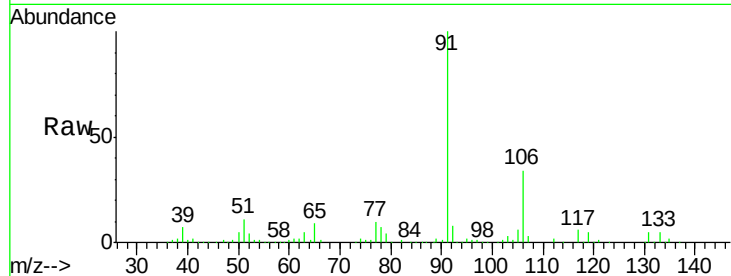
91 297.2 264.9 397.3

Manual Integrations

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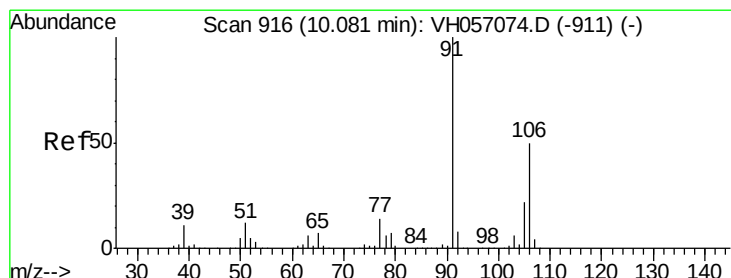
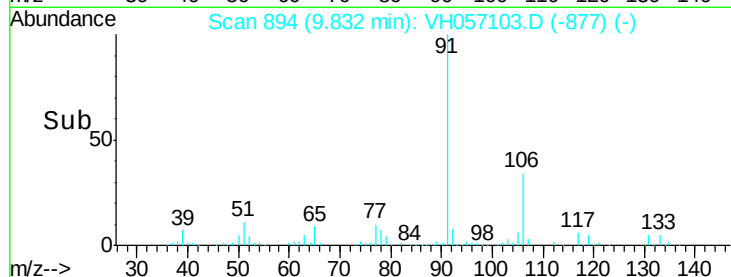
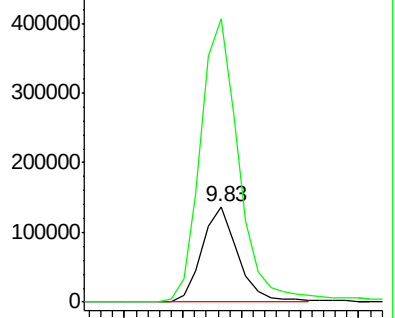
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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0



#68

m/p-Xylenes

Concen: 41.65 ug/l

RT: 10.06 min Scan# 916

Delta R.T. -0.02 min

Lab File: VH057103.D

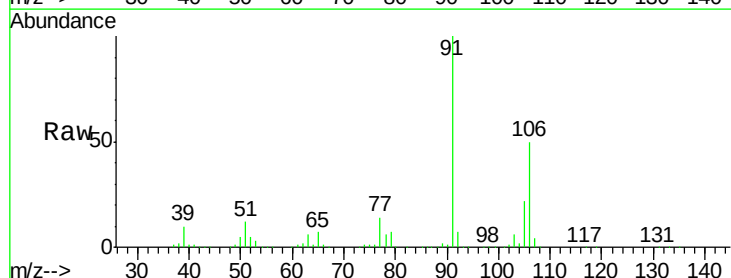
Acq: 22 Sep 2015 13:40

Tgt Ion:106 Resp: 689422

Ion Ratio Lower Upper

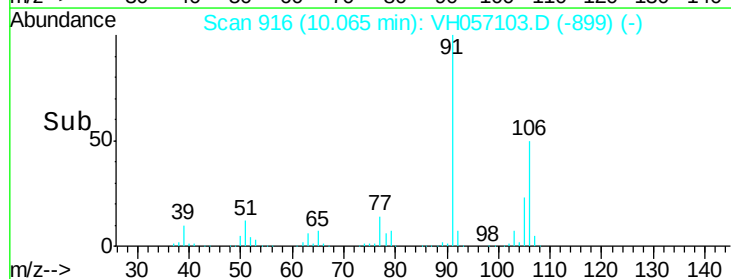
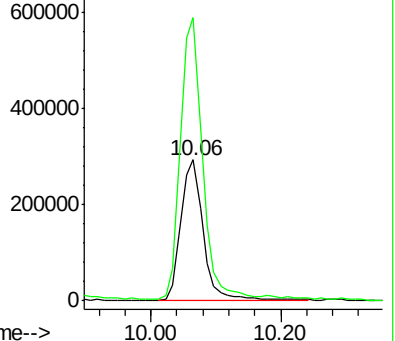
106 100

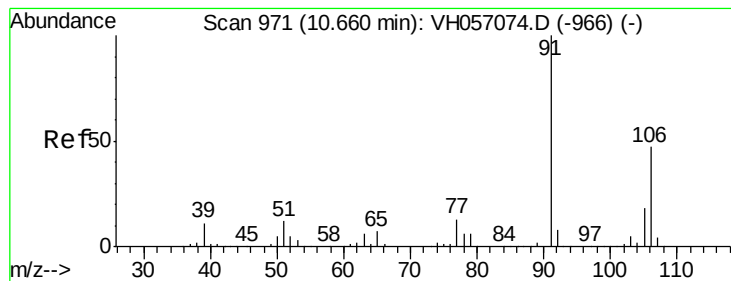
91 201.1 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0





#69

o-Xylene

Concen: 20.79 ug/l

RT: 10.65 min Scan# 972

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion:106 Resp: 330399

Ion Ratio Lower Upper

106 100

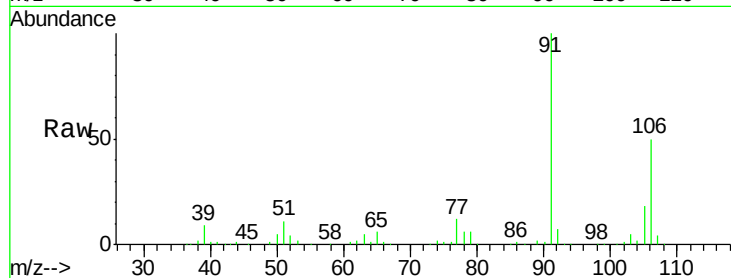
91 199.6 104.2 312.6

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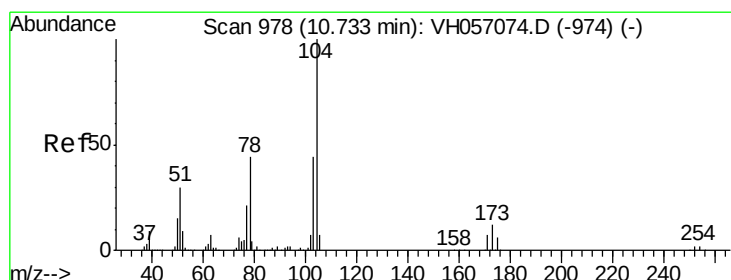
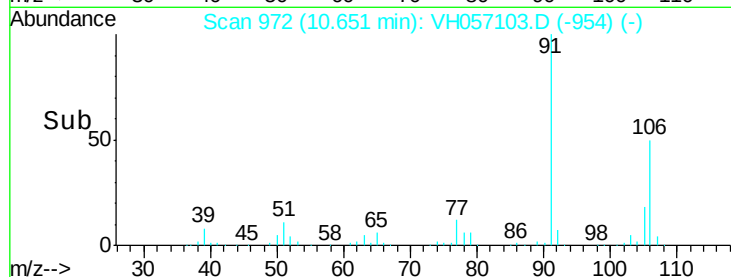
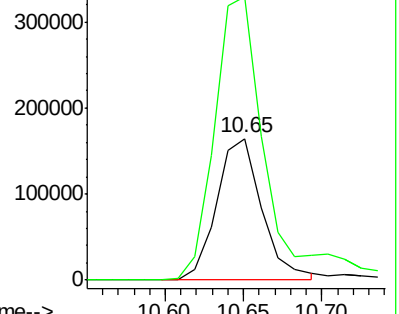
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0



#70

Styrene

Concen: 20.57 ug/l

RT: 10.72 min Scan# 979

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

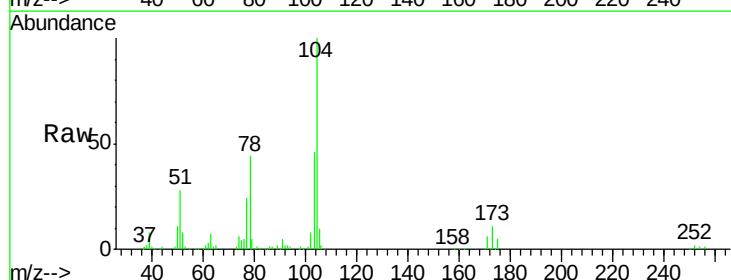
Tgt Ion:104 Resp: 571052

Ion Ratio Lower Upper

104 100

78 43.9 35.2 52.8

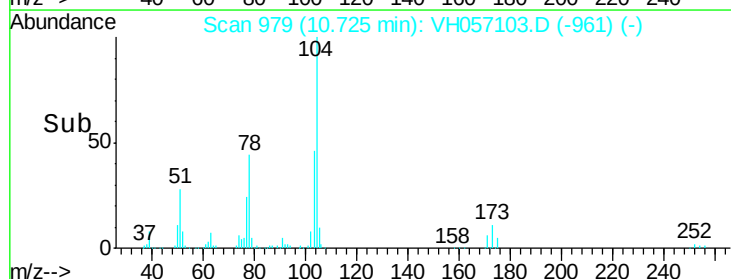
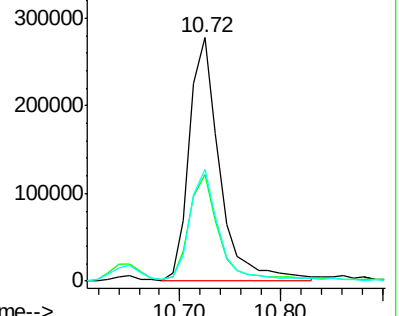
103 45.8 35.8 53.6

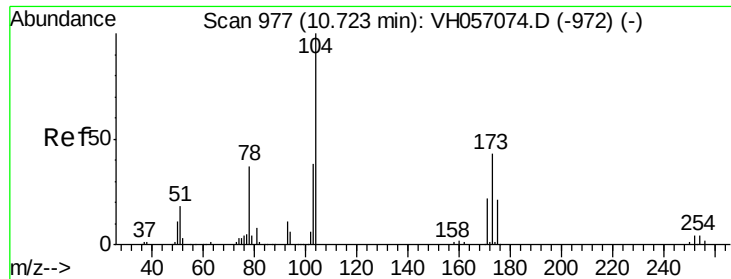


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VH0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.06 ug/l

RT: 10.70 min Scan# 977

Delta R.T. -0.02 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

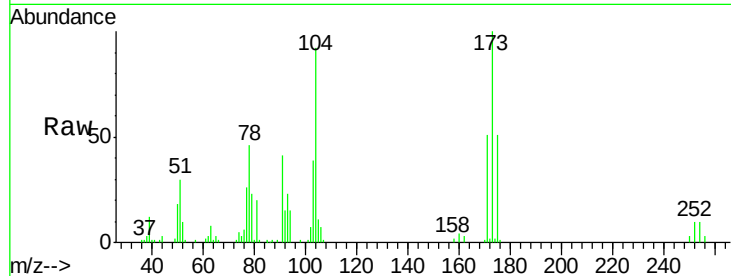
ClientSampleId :

VH0922MBS01

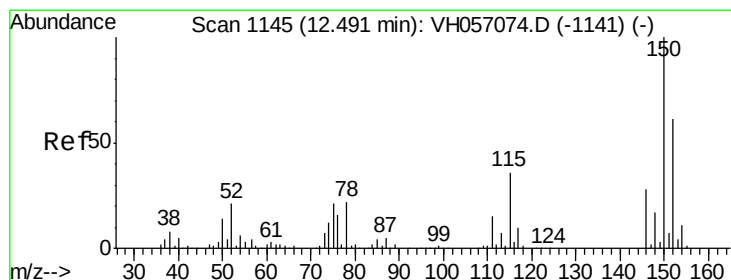
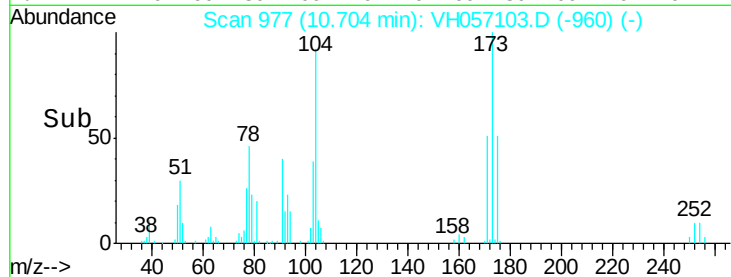
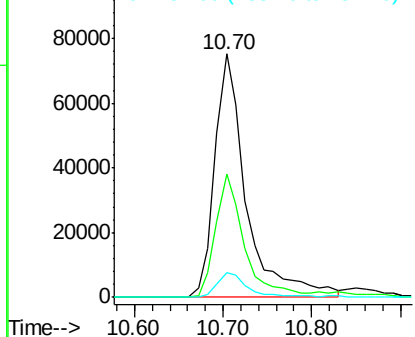
Tgt Ion:	173	Resp:	185108
Ion Ratio	Lower	Upper	
173	100		
175	50.6	23.3	69.9
254	10.1	4.4	13.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

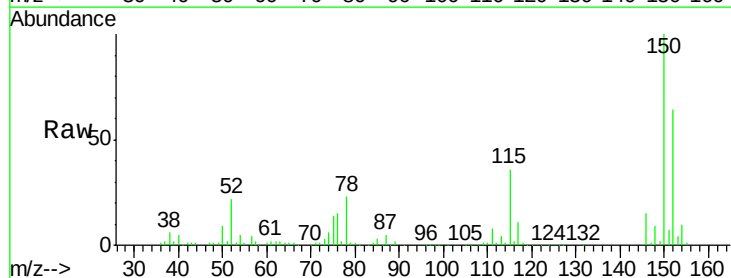
RT: 12.48 min Scan# 1146

Delta R.T. -0.01 min

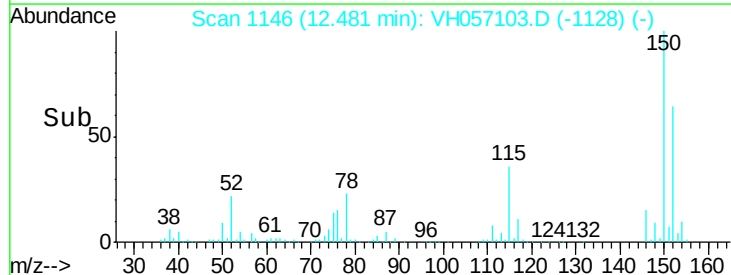
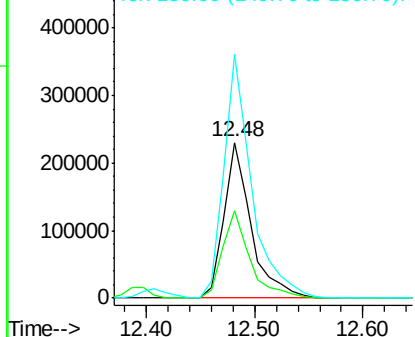
Lab File: VH057103.D

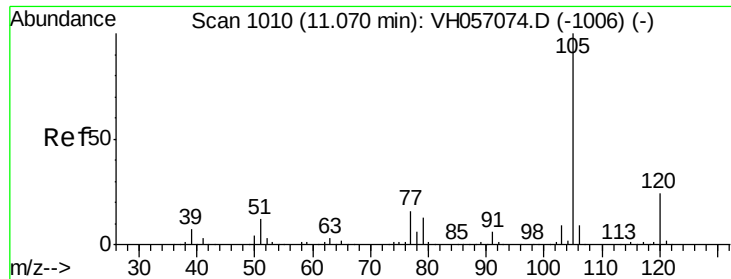
Acq: 22 Sep 2015 13:40

Tgt Ion:	152	Resp:	400109
Ion Ratio	Lower	Upper	
152	100		
115	55.8	28.2	84.6
150	156.4	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: 20.20 ug/l

RT: 11.06 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 105 Resp: 738277

Ion Ratio Lower Upper

105 100

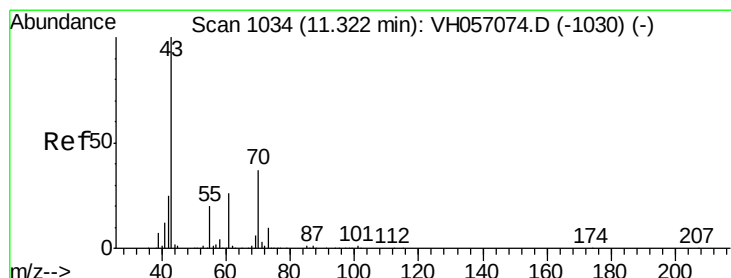
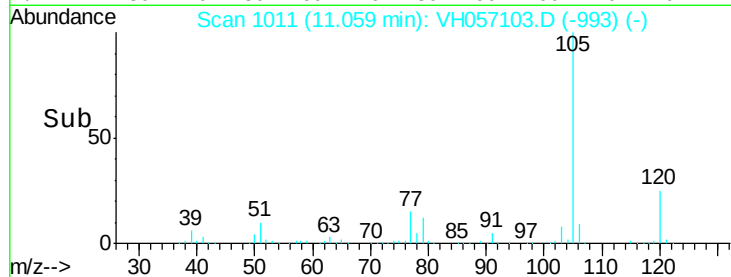
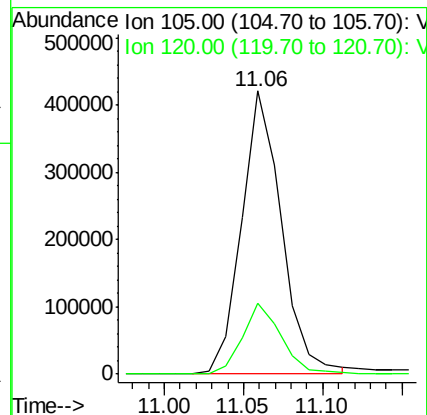
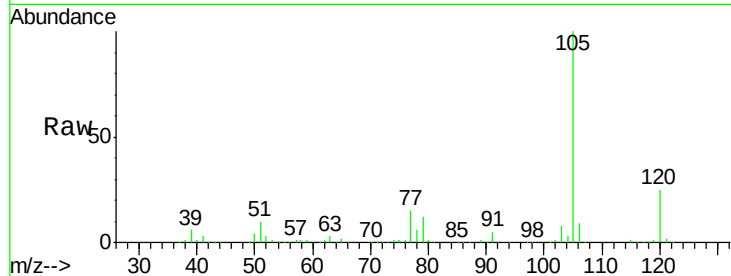
120 24.9 12.2 36.4

Manual Integrations

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#74

n-Amyl Acetate

Concen: 17.26 ug/l

RT: 11.31 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Tgt Ion: 43 Resp: 670085

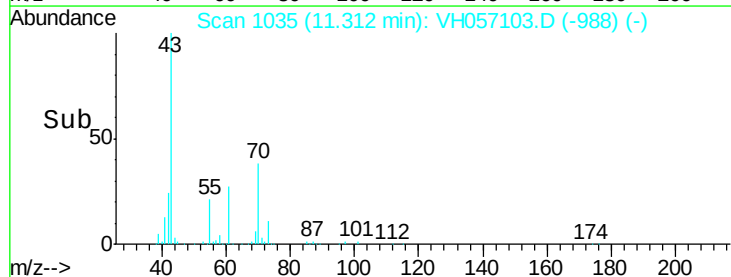
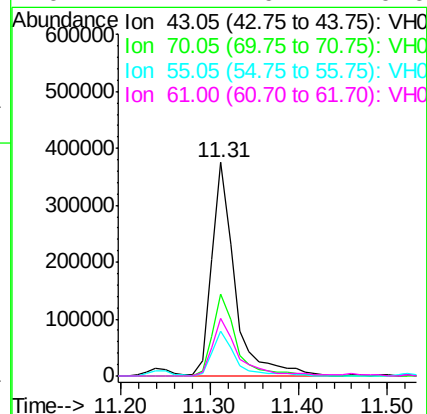
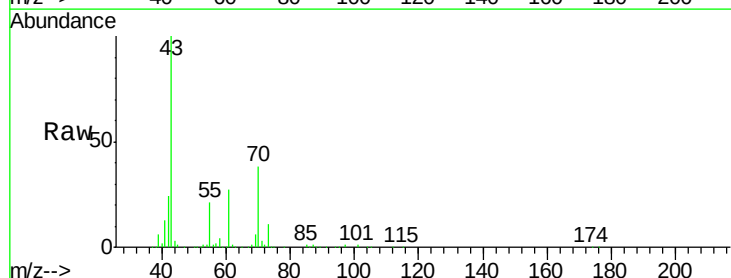
Ion Ratio Lower Upper

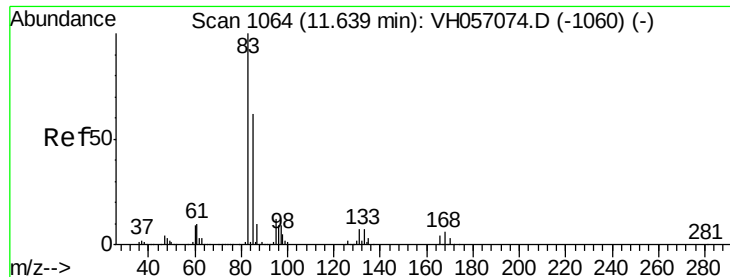
43 100

70 38.2 27.3 40.9

55 21.0 15.3 22.9

61 27.2 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.21 ug/l

RT: 11.63 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampleId :

VH0922MBS01

Tgt Ion: 83 Resp: 387196
Ion Ratio Lower Upper

83 100

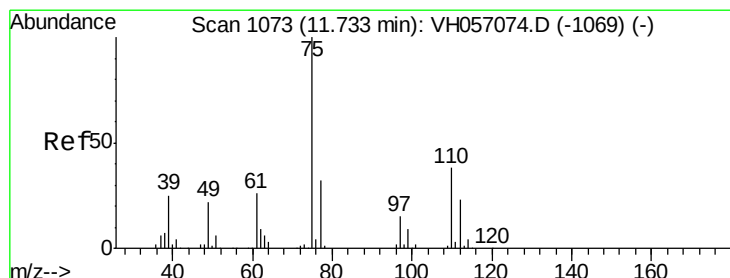
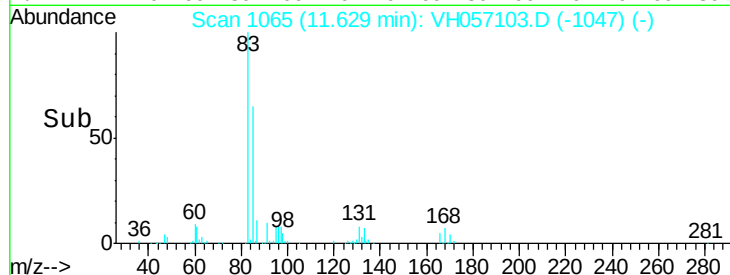
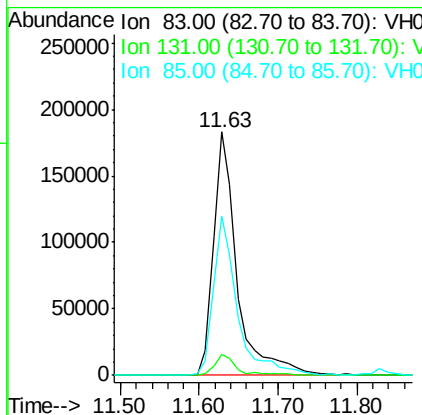
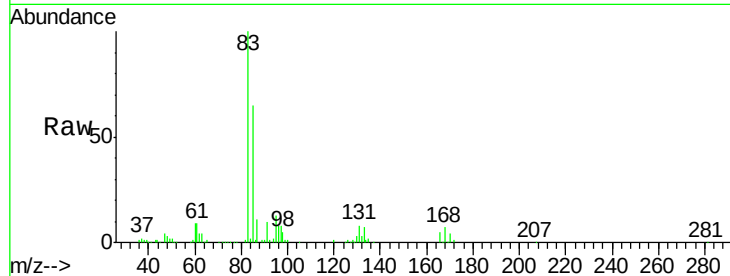
131 8.5 3.1 9.3

85 65.2 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 19.86 ug/l

RT: 11.72 min Scan# 1074

Delta R.T. -0.01 min

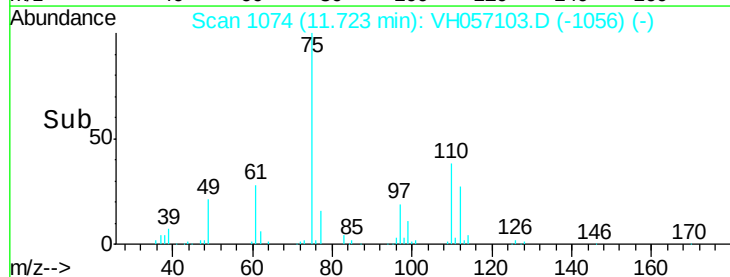
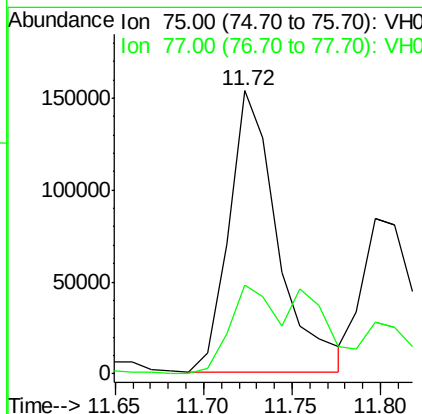
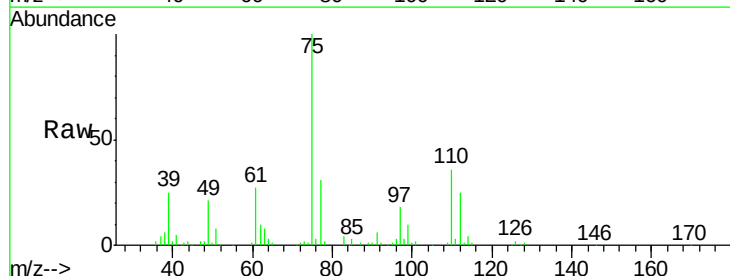
Lab File: VH057103.D

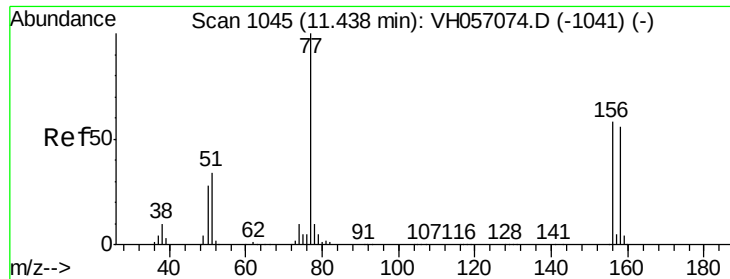
Acq: 22 Sep 2015 13:40

Tgt Ion: 75 Resp: 298568
Ion Ratio Lower Upper

75 100

77 31.2 14.9 44.9





#77

Bromobenzene

Concen: 22.50 ug/l

RT: 11.43 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

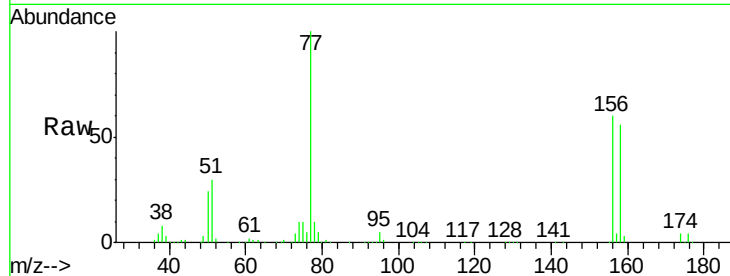
ClientSampleId :

VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	234018		
77	167.8	73.5	220.5	
158	94.0	46.8	140.3	

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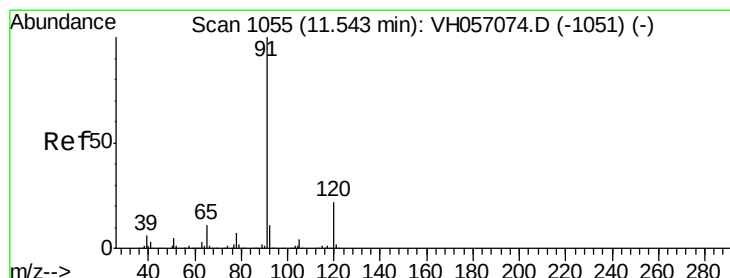
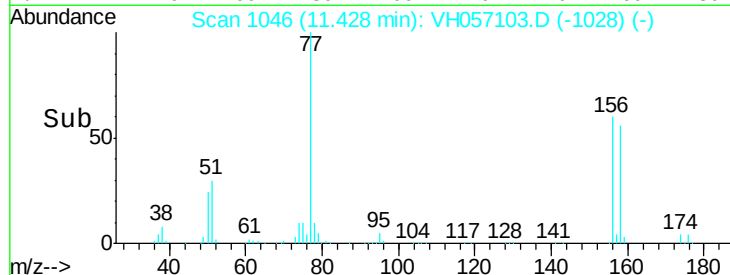
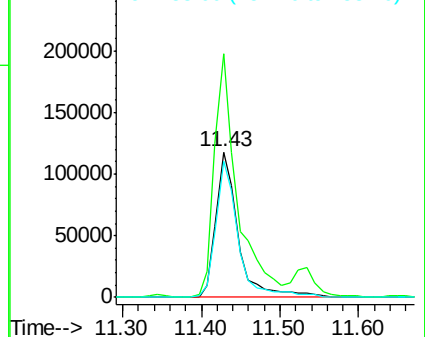
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VH0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.13 ug/l

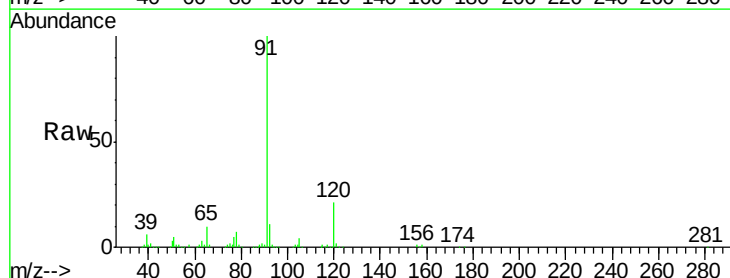
RT: 11.53 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VH057103.D

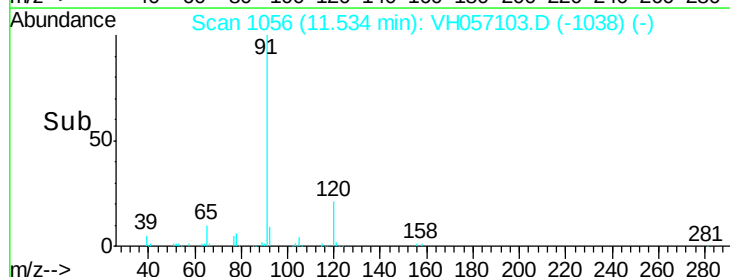
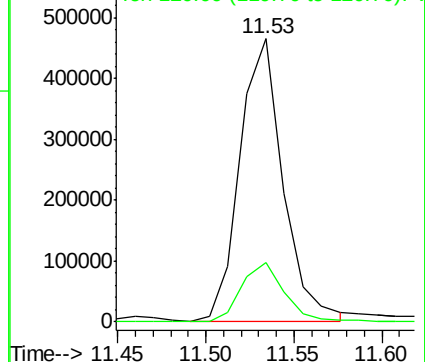
Acq: 22 Sep 2015 13:40

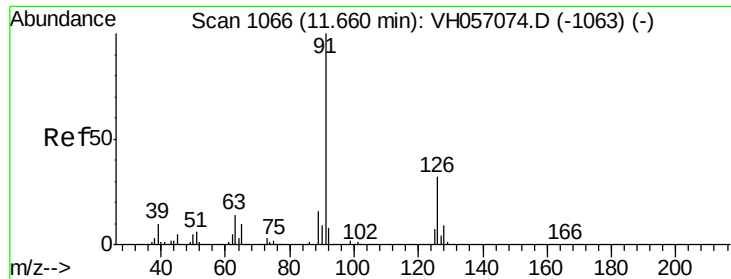
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	786420		
120	20.9	10.2	30.6	



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 11.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VH057103.D

Acq: 22 Sep 2015 13:40

Instrument :

MSVOA_H

ClientSampled :

VH0922MBS01

Tgt Ion: 91 Resp: 467631

Ion Ratio Lower Upper

91 100

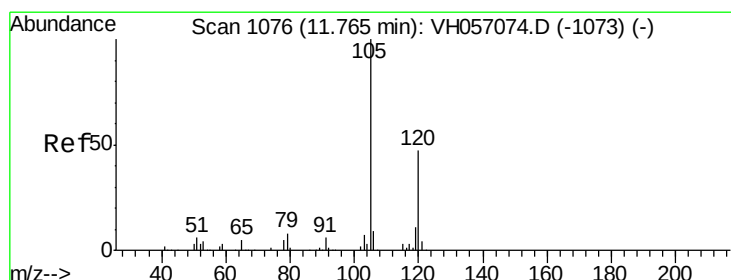
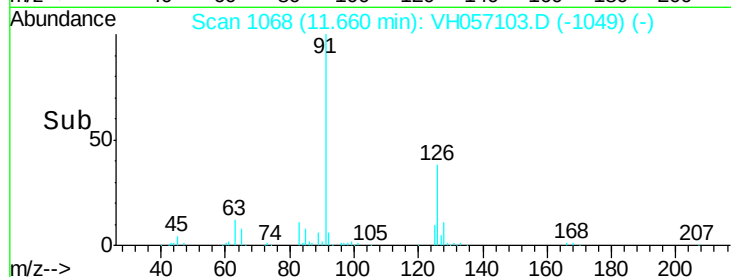
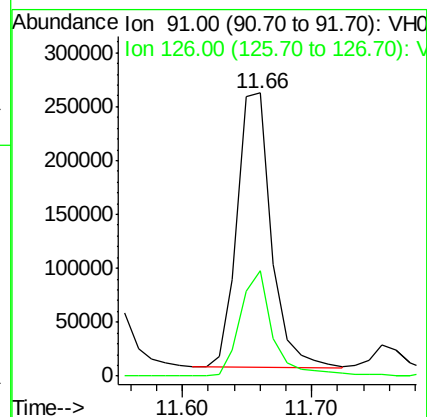
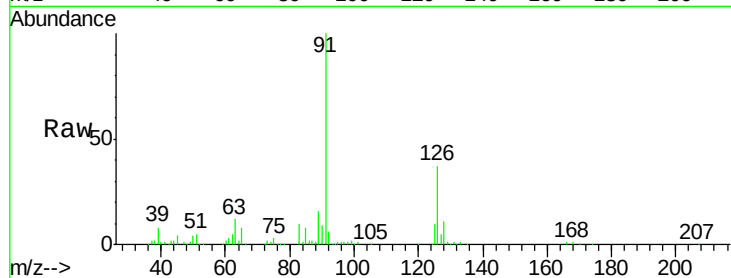
126 37.4 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.13 ug/l

RT: 11.75 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VH057103.D

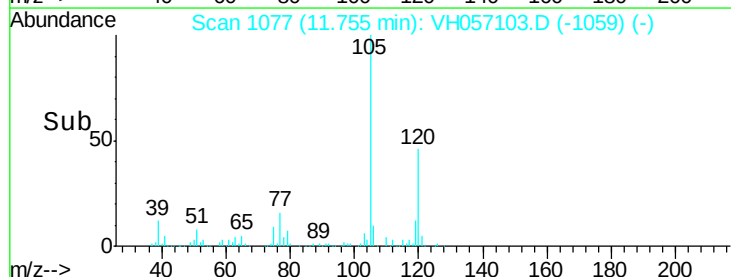
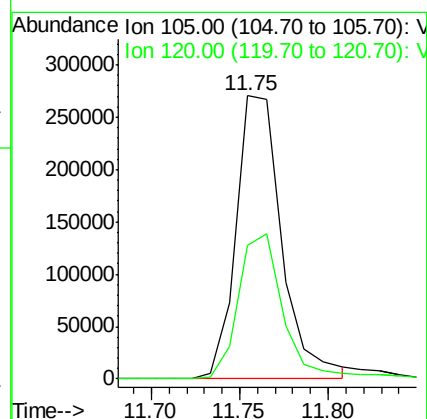
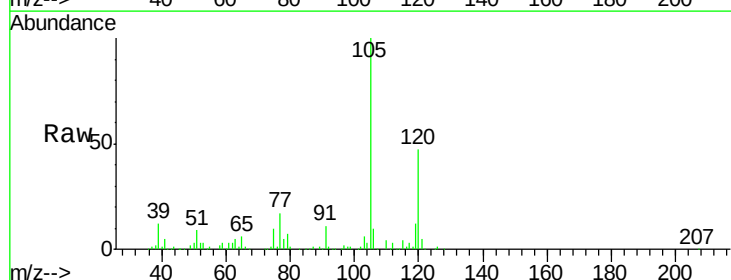
Acq: 22 Sep 2015 13:40

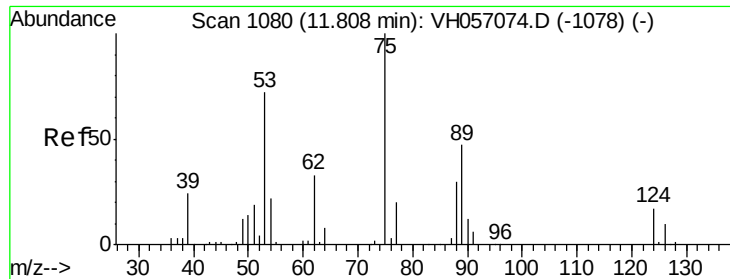
Tgt Ion: 105 Resp: 480724

Ion Ratio Lower Upper

105 100

120 47.3 23.6 71.0





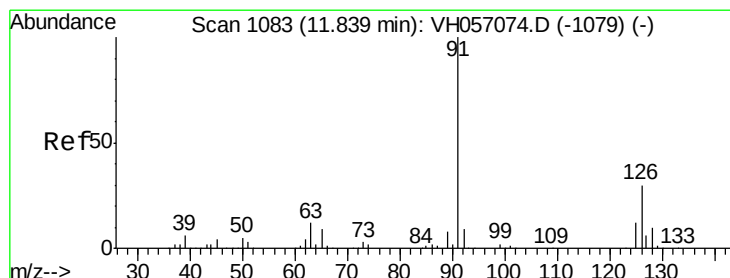
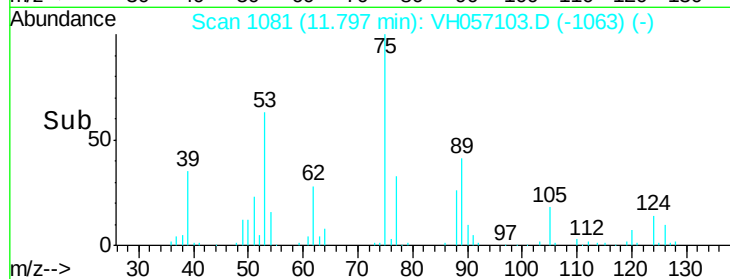
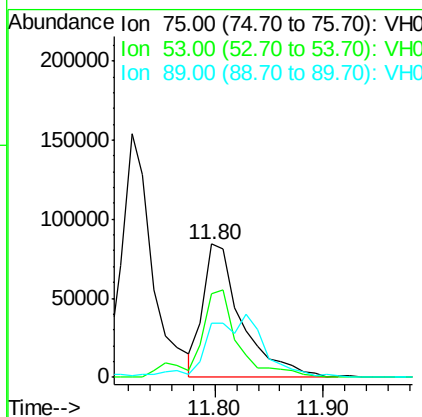
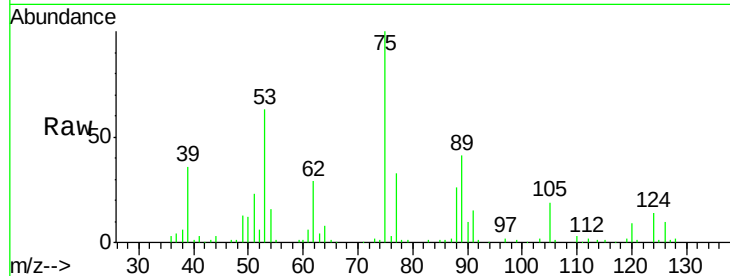
#81
trans-1,4-Dichloro-2-Butene
Concen: 18.89 ug/l
RT: 11.80 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	62.7	32.0	96.2
89	40.6	21.1	63.3

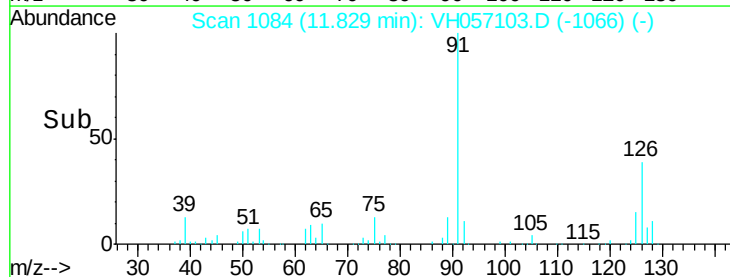
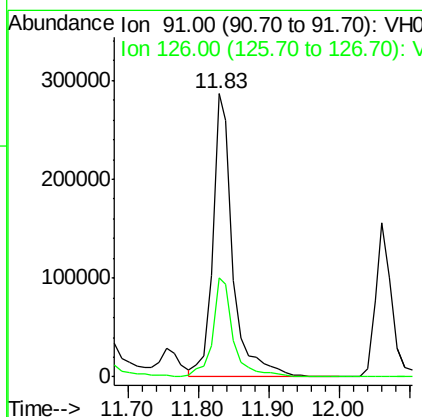
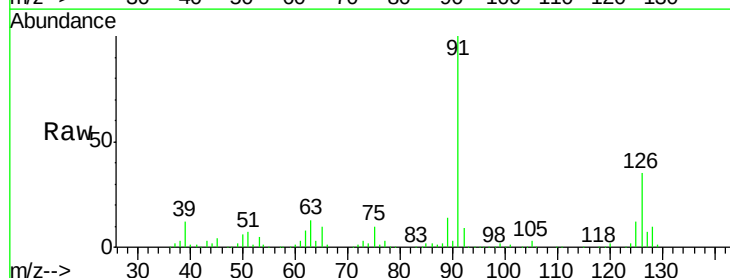
Manual Integrations
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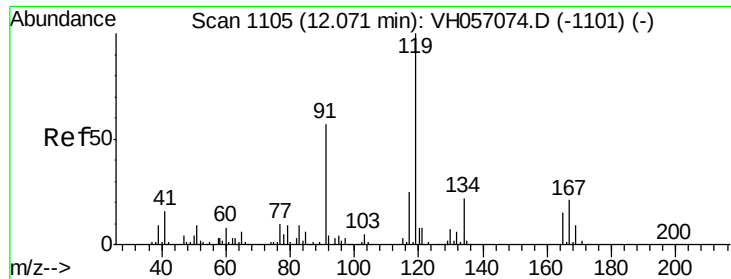
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.97 ug/l
RT: 11.83 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0





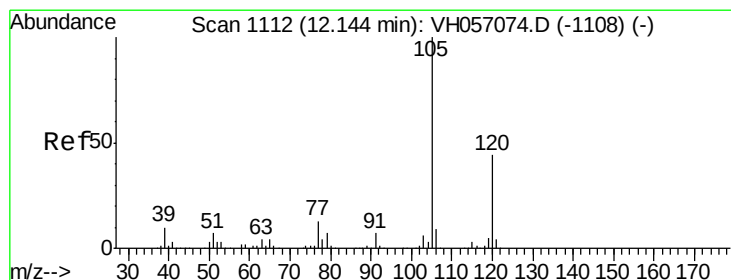
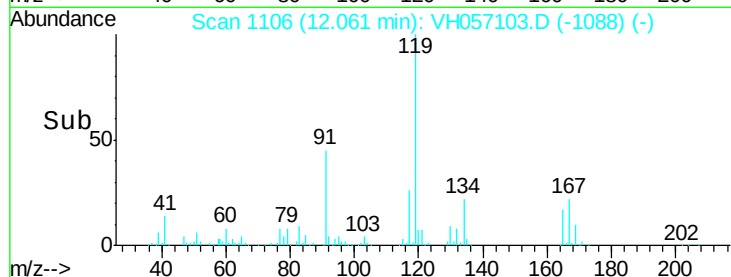
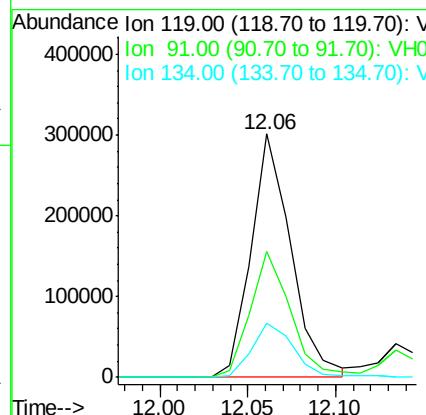
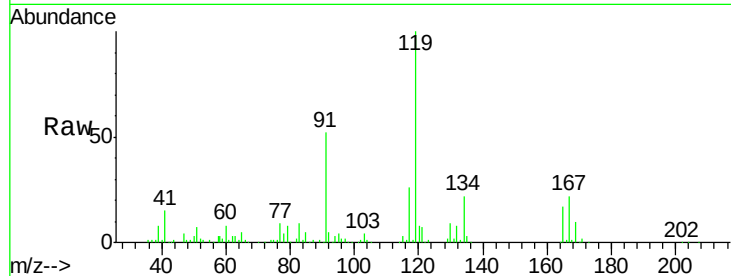
#83
 tert-Butylbenzene
 Concen: 21.08 ug/l
 RT: 12.06 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	475182		
91	51.8	28.5	85.6	
134	22.5	11.5	34.5	

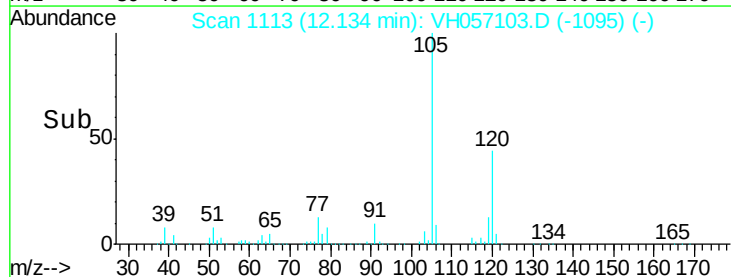
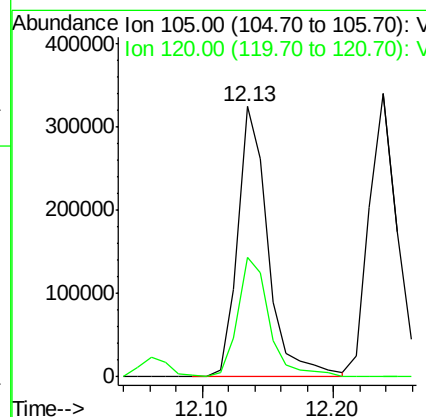
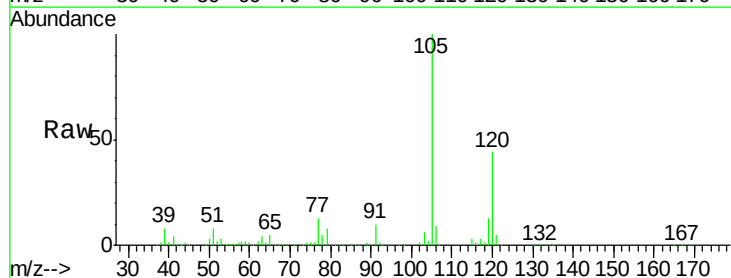
Manual Integrations
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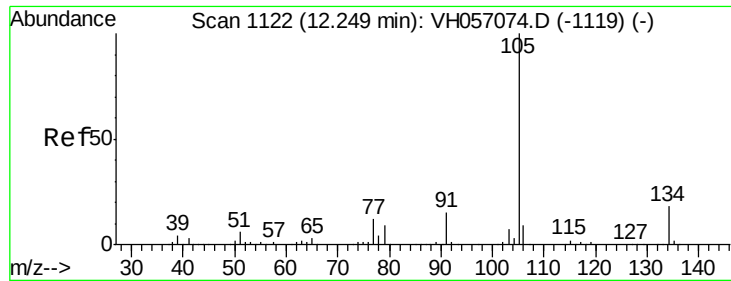
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 12.13 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	535998		
120	44.2	22.6	67.7	





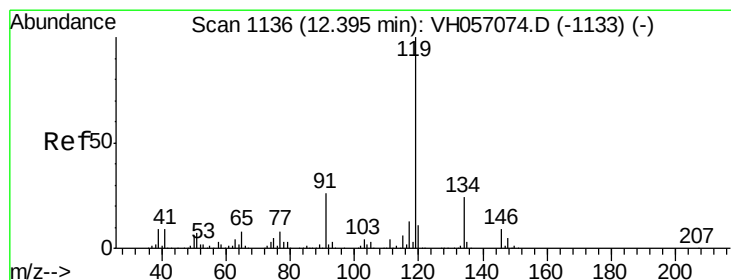
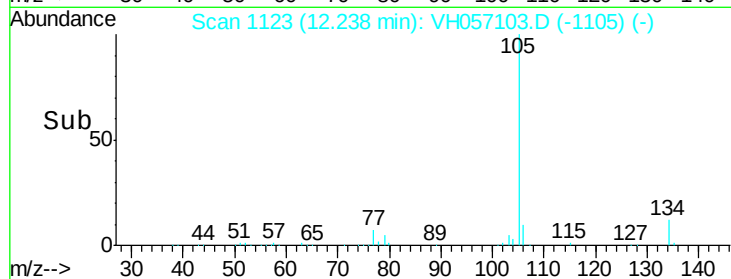
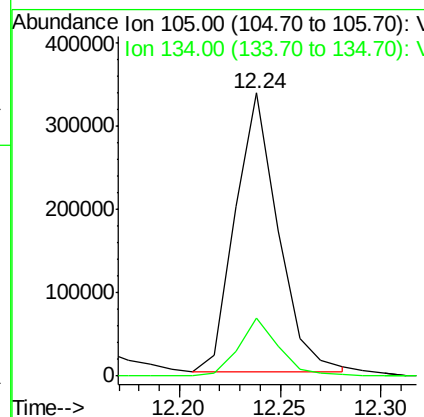
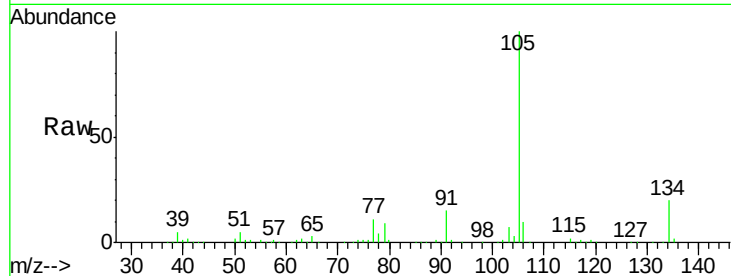
#85
 sec-Butylbenzene
 Concen: 20.54 ug/l
 RT: 12.24 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	495252		
134	20.5	9.1	27.3	

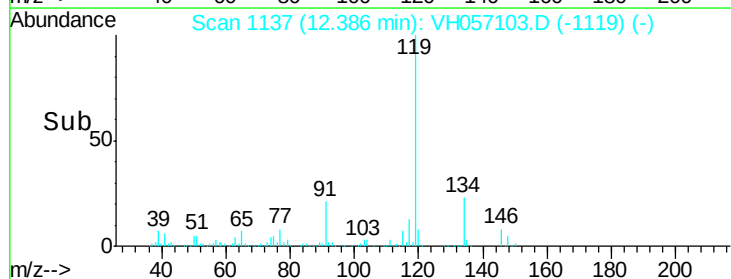
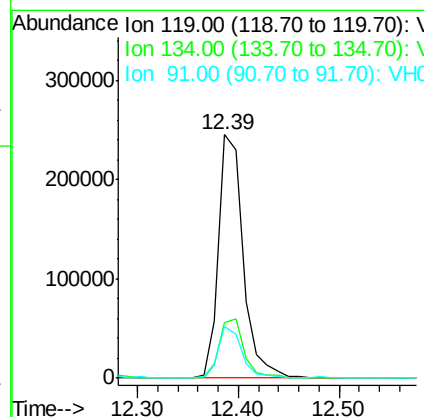
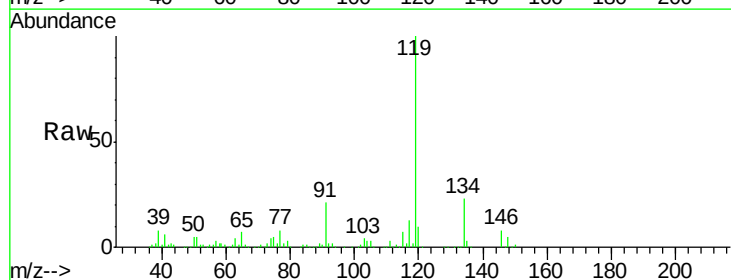
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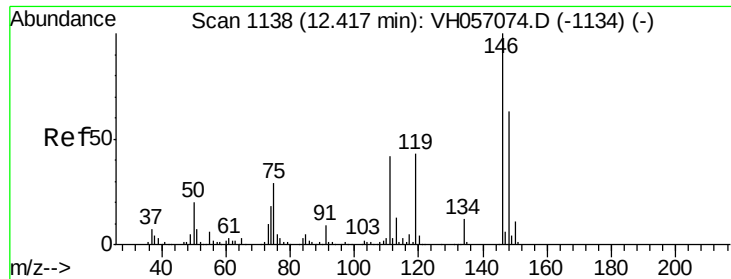
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#86
 p-Isopropyltoluene
 Concen: 22.90 ug/l
 RT: 12.39 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	419065		
134	22.9	13.0	38.9	
91	21.3	12.5	37.5	





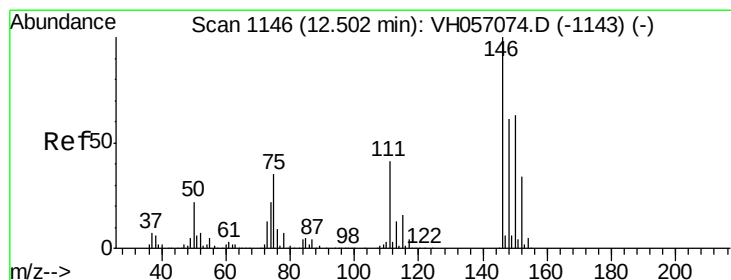
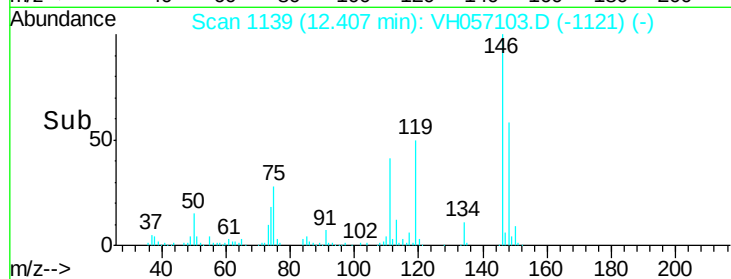
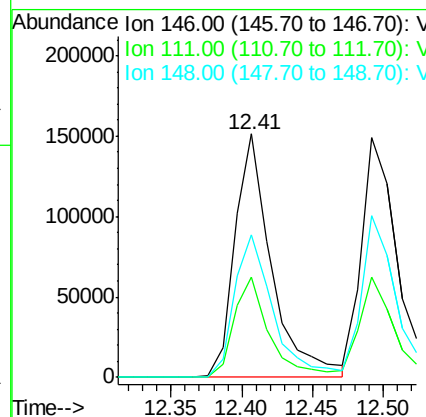
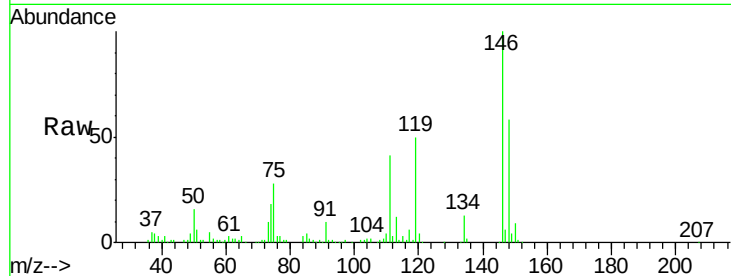
#87
 1,3-Dichlorobenzene
 Concen: 22.28 ug/l
 RT: 12.41 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	276542		
111	41.4	21.0	63.0	
148	58.5	31.6	94.7	

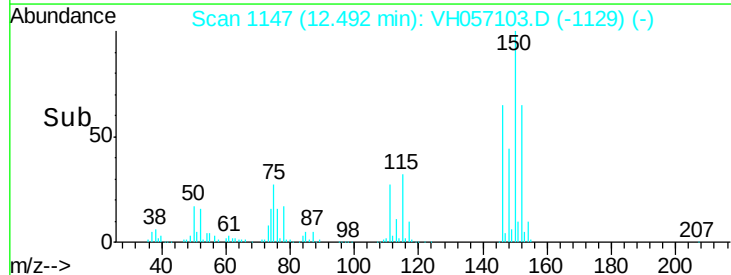
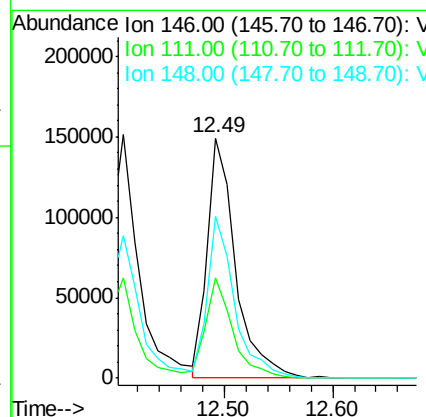
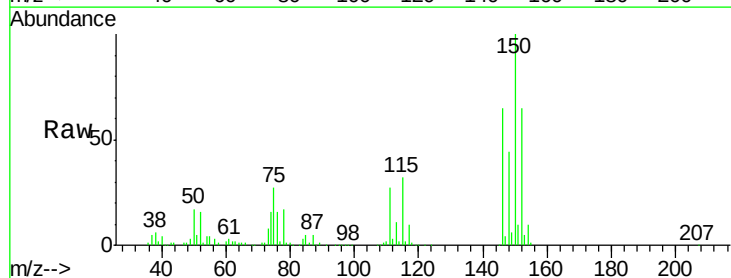
Manual Integrations
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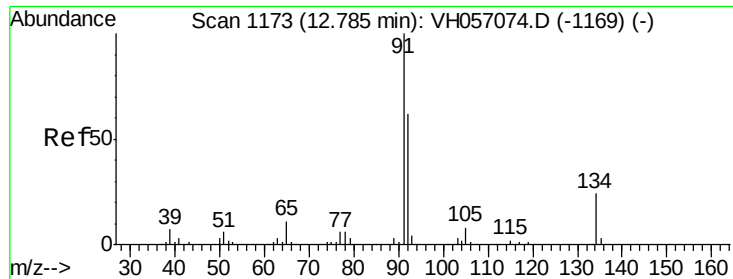
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 9/23/2015 11:46:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.16 ug/l
 RT: 12.49 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	271928		
111	42.0	19.8	59.3	
148	67.3	30.3	90.9	





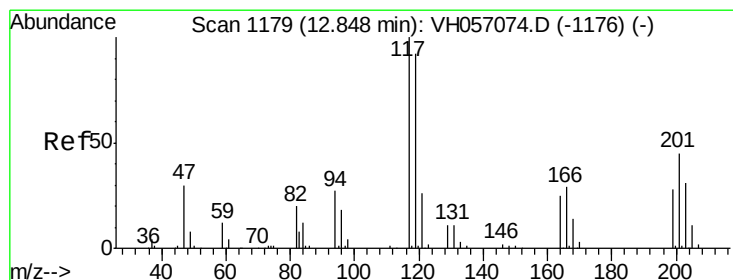
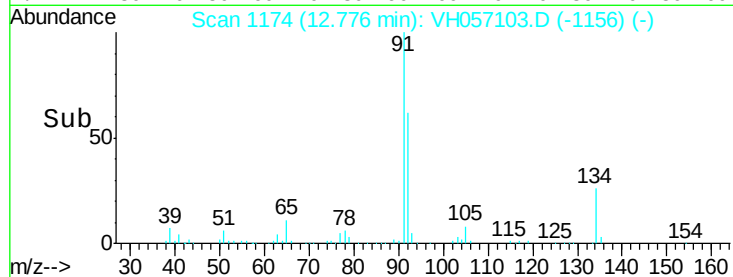
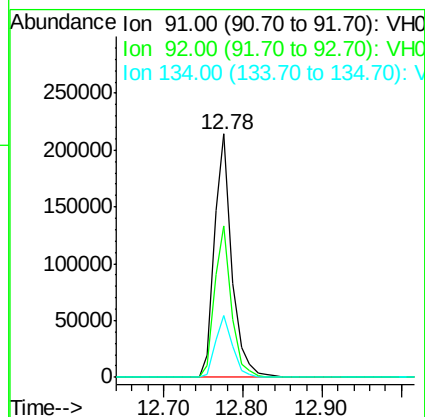
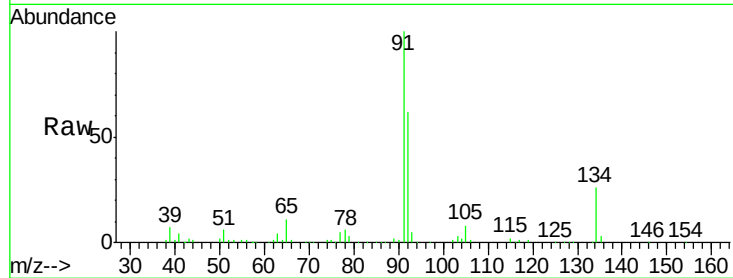
#89
n-Butylbenzene
Concen: 21.81 ug/l
RT: 12.78 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampleId :
VH0922MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.2	31.3	93.9
134	25.6	10.5	31.6

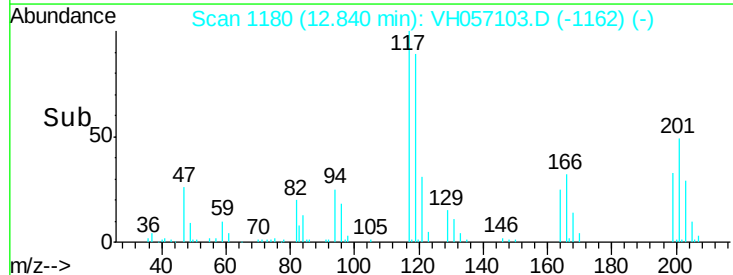
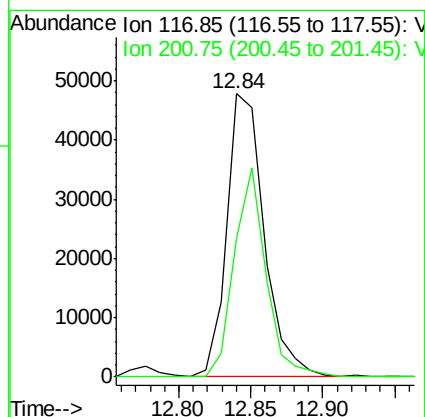
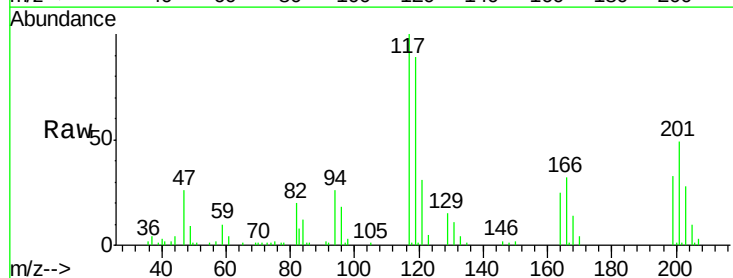
Manual Integrations
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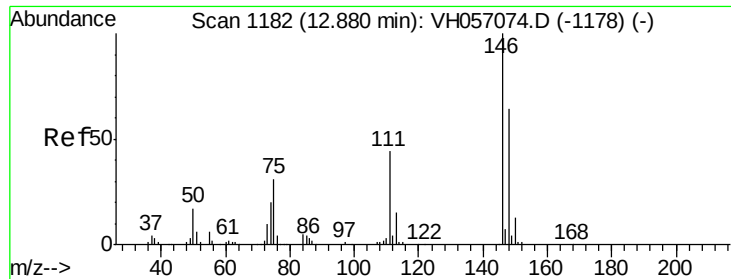
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#90
Hexachloroethane
Concen: 21.97 ug/l
RT: 12.84 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	48.9	14.0	80.8





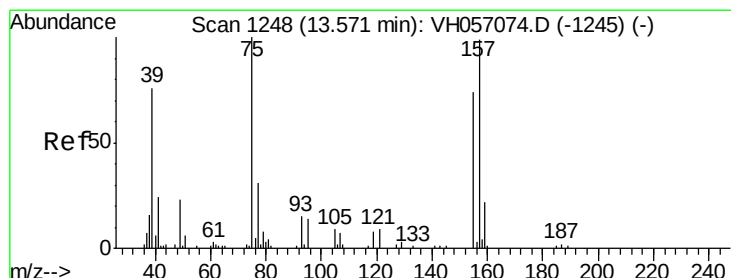
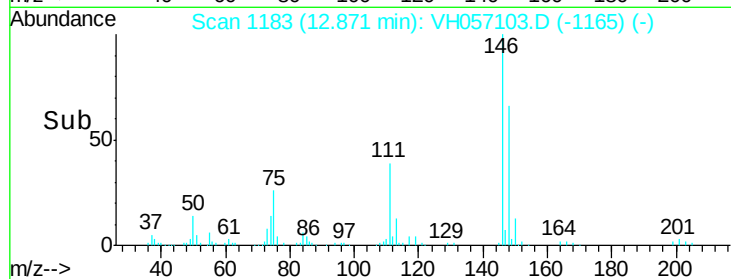
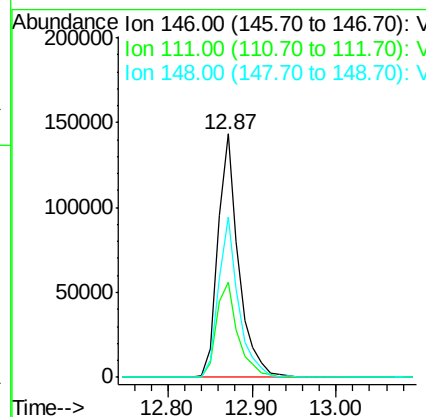
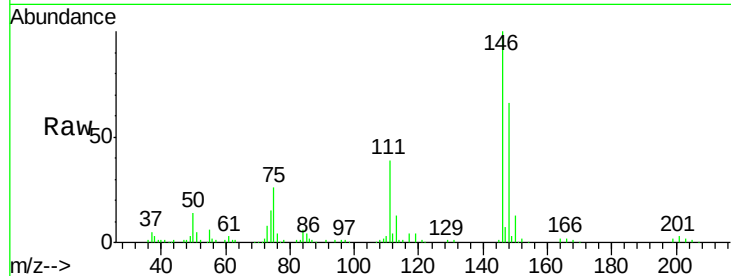
#91
 1,2-Dichlorobenzene
 Concen: 22.50 ug/l
 RT: 12.87 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251540		
111	39.3	22.1	66.1	
148	65.7	31.4	94.3	

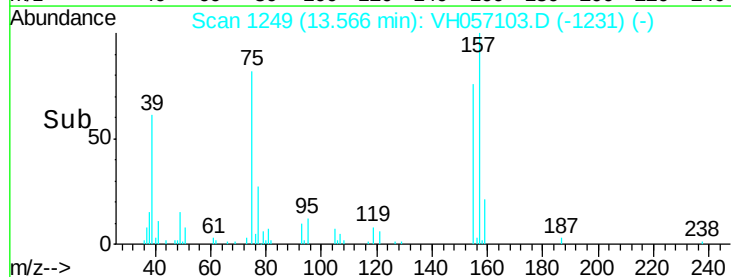
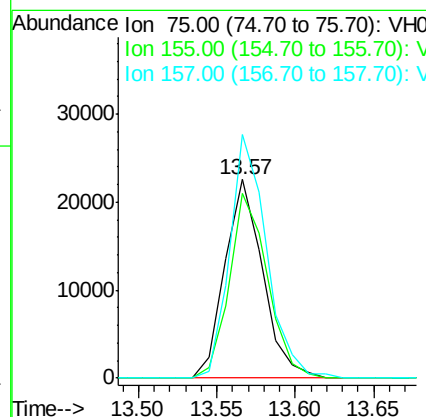
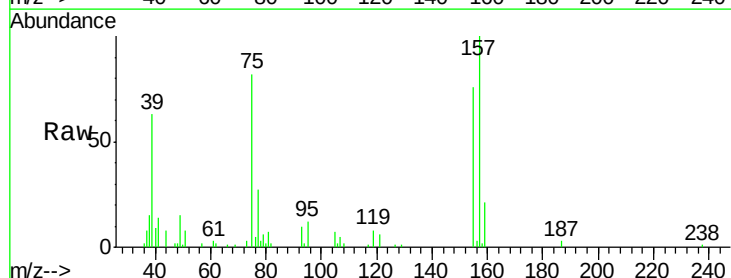
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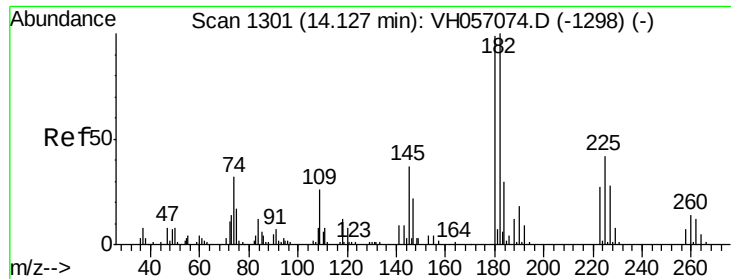
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.58 ug/l
 RT: 13.57 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37767		
155	92.9	43.4	130.2	
157	122.7	62.8	188.4	





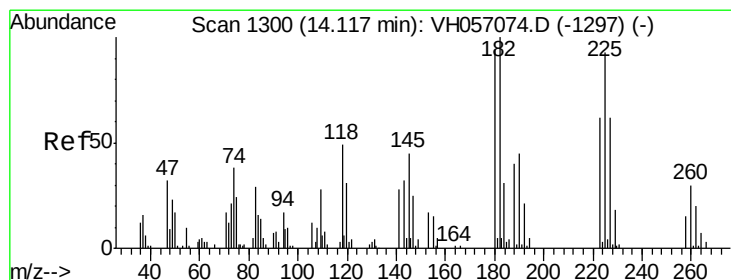
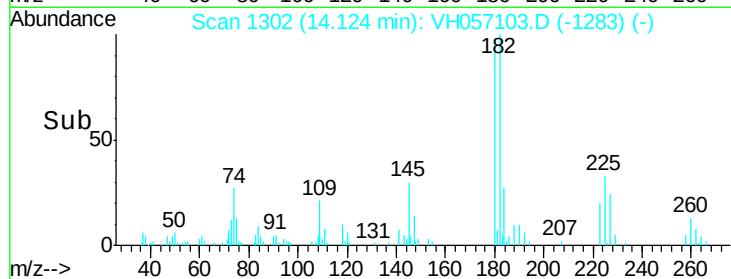
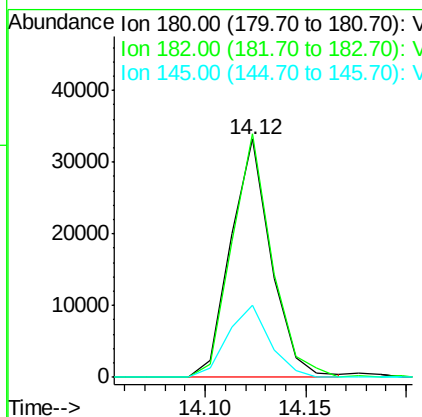
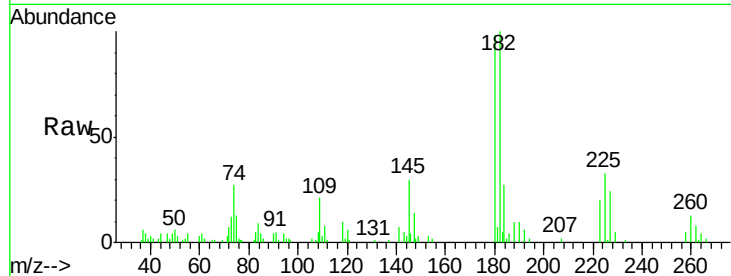
#93
 1,2,4-Trichlorobenzene
 Concen: 20.93 ug/l
 RT: 14.12 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0922MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46556		
182	102.2	43.0	129.2	
145	30.5	17.3	52.0	

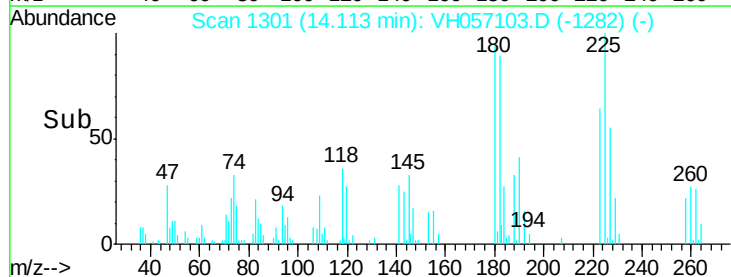
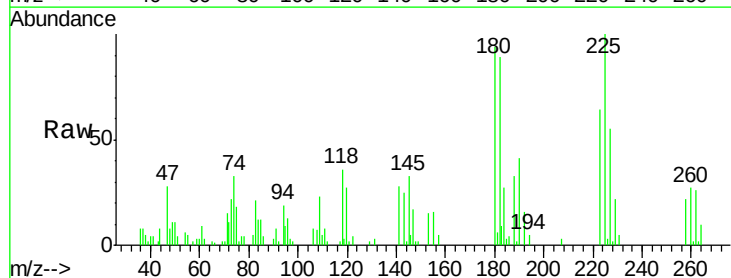
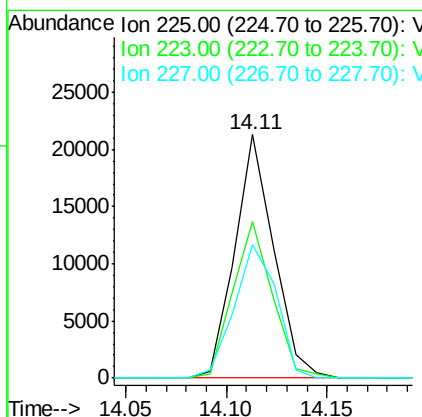
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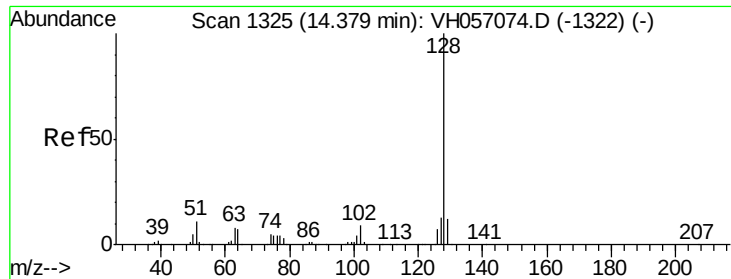
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#94
 Hexachlorobutadiene
 Concen: 24.79 ug/l
 RT: 14.11 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VH057103.D
 Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28677		
223	64.2	30.3	90.8	
227	54.9	30.5	91.5	





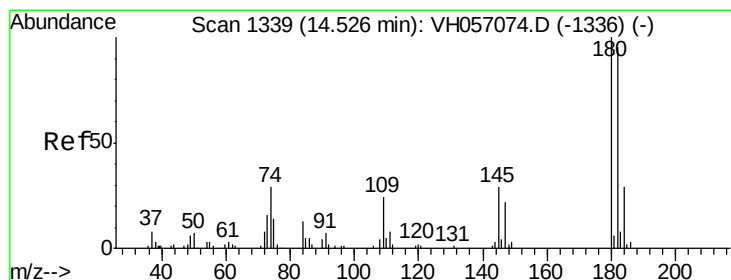
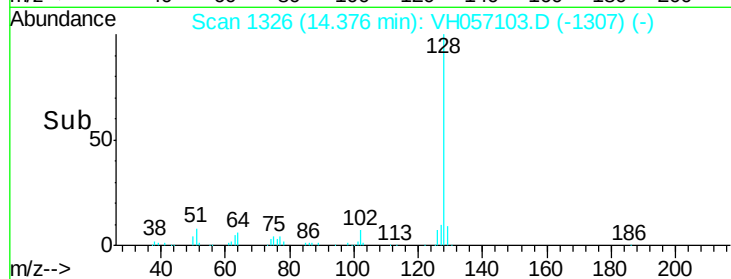
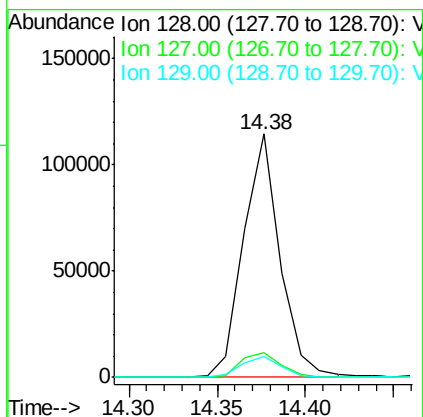
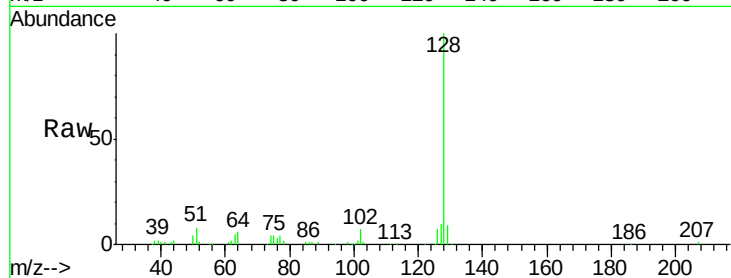
#95
Naphthalene
Concen: 19.48 ug/l
RT: 14.38 min Scan# 1326
Delta R.T. -0.00 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Instrument :
MSVOA_H
ClientSampled :
VH0922MBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	10.2	9.6	14.4
129	8.5	8.7	13.1#

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.40 ug/l
RT: 14.52 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VH057103.D
Acq: 22 Sep 2015 13:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	104.2	47.1	141.3
145	30.8	12.5	37.5

