

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH091715\
 Data File : VH057076.D
 Acq On : 17 Sep 2015 21:18
 Operator : SY/FY
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_H/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 BFB

Quant Time: Sep 18 09:54:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:51:06 2015
 Response via : Initial Calibration

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

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

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	462315	48.67	ug/l	97
3) Chloromethane	1.02	50	586229	49.06	ug/l	99
4) Vinyl Chloride	1.09	62	481458	48.75	ug/l	97
5) Bromomethane	1.27	94	208576	47.98	ug/l	95
6) Chloroethane	1.35	64	201636	50.18	ug/l	95
7) Trichlorofluoromethane	1.40	101	161283	17.46	ug/l	95
8) Tert butyl alcohol	2.55	59	616262	255.97	ug/l #	95
9) Diethyl Ether	1.61	74	231024	50.59	ug/l	77
10) Diisopropyl ether	2.79	45	1643994	49.11	ug/l	98
11) 1,1-Dichloroethene	1.76	96	343432	49.58	ug/l	96
12) Methyl Iodide	1.87	142	417354	34.19	ug/l	97
13) Acrolein	1.97	56	404589	281.02	ug/l	93
14) 1,1,2-Trichlorotrifluoroet	1.80	101	335407	49.70	ug/l	98
15) Acrylonitrile	2.91	53	1075333	244.91	ug/l	93
16) Allyl Chloride	2.08	41	727742	50.96	ug/l	95
17) Acetone	2.22	43	1425893	258.62	ug/l	98
18) Carbon Disulfide	1.77	76	978702	47.91	ug/l #	94
19) Methyl Acetate	2.32	43	1742234	49.92	ug/l	98
20) Methyl tert-butyl Ether	2.41	73	1406150	50.70	ug/l	97
21) Methylene Chloride	2.15	84	211262	27.87	ug/l	89
22) trans-1,2-Dichloroethene	2.29	96	376206	49.40	ug/l	91
23) Vinyl Acetate	3.17	43	3907715	246.65	ug/l	99
24) 1,1-Dichloroethane	2.85	63	834043	50.59	ug/l	100
25) 2-Butanone	4.31	43	3016949	242.20	ug/l	99
26) 2,2-Dichloropropane	3.57	77	485435	46.91	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	528495	49.69	ug/l	98
28) Bromochloromethane	3.69	128	189420	53.32	ug/l	94
29) Chloroform	3.83	83	996283	51.13	ug/l	93
30) Cyclohexane	3.67	56	655577	49.64	ug/l	93
31) Tetrahydrofuran	4.04	42	1758789	251.55	ug/l	95
32) 1,1,1-Trichloroethane	4.06	97	644200	45.92	ug/l	98
36) 1,1-Dichloropropene	4.25	75	757334	51.35	ug/l	98
37) Ethyl acetate	4.08	43	1439149	51.97	ug/l	96
38) Carbon Tetrachloride	3.97	117	591112	51.47	ug/l	97

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

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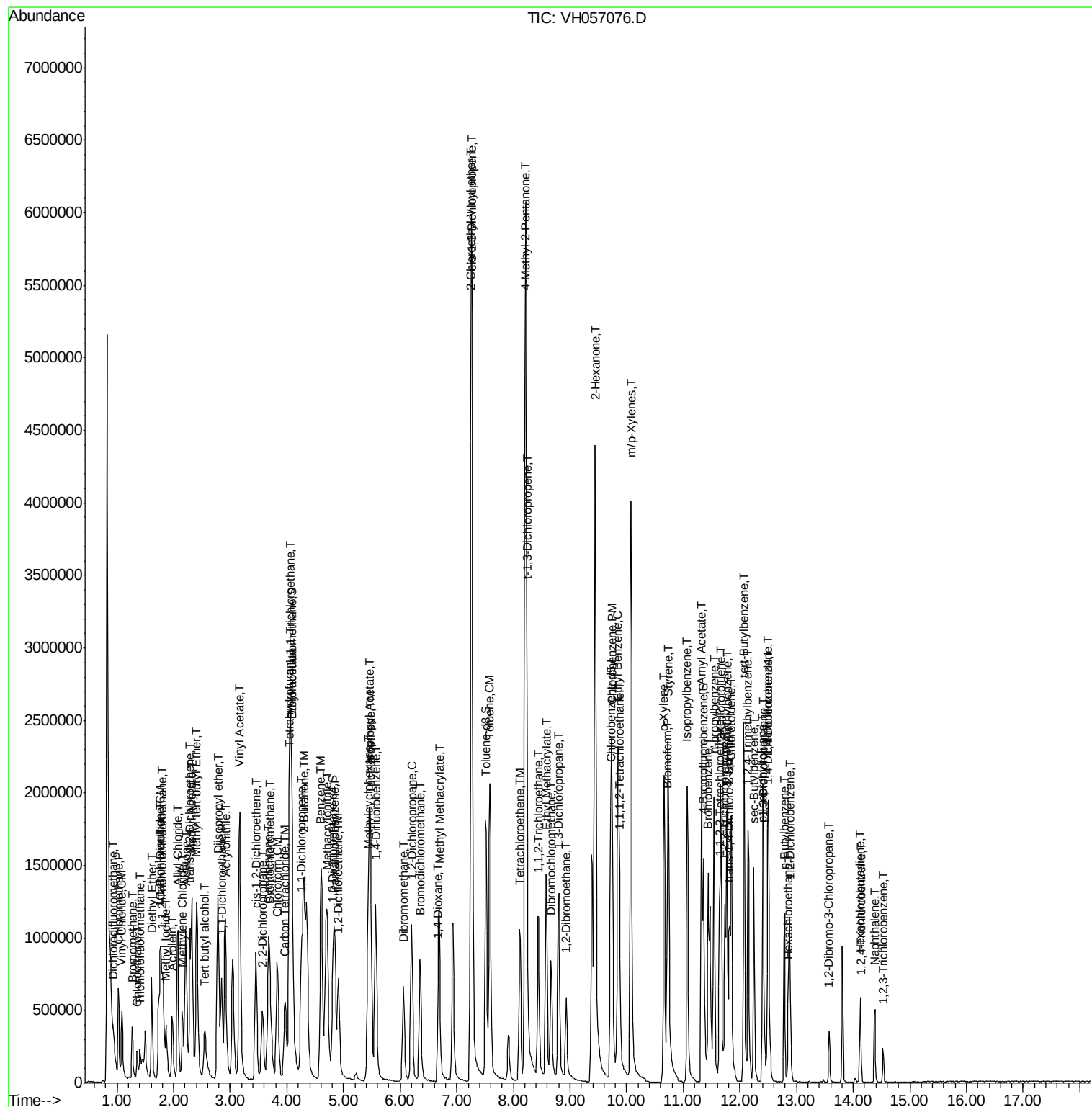
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	99134	46.23	ug/l	90
94) Hexachlorobutadiene	14.12	225	51133	51.34	ug/l	98
95) Naphthalene	14.38	128	388595	44.94	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	66052	45.40	ug/l	93

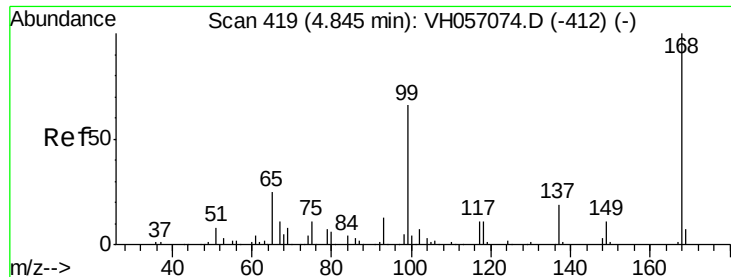
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 419

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

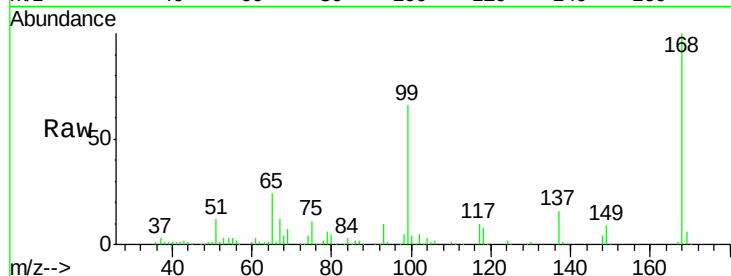
BFB

Tgt Ion:168 Resp: 750900

Ion Ratio Lower Upper

168 100

99 65.9 55.8 83.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0

4.85

250000

200000

150000

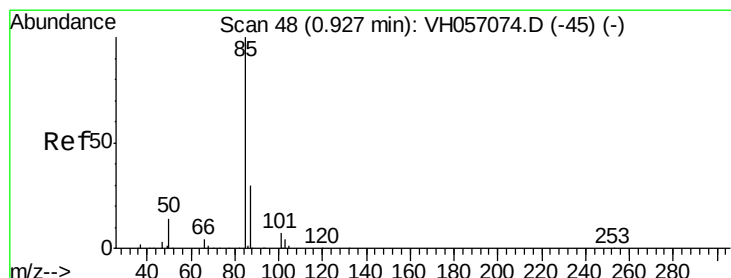
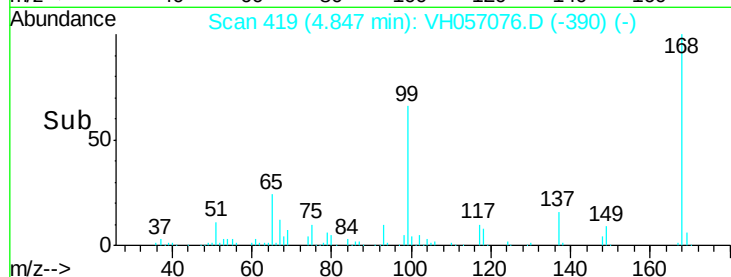
100000

50000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 48.67 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057076.D

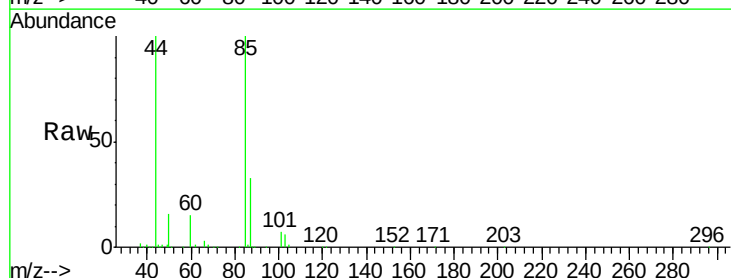
Acq: 17 Sep 2015 21:18

Tgt Ion: 85 Resp: 462315

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0

0.93

150000

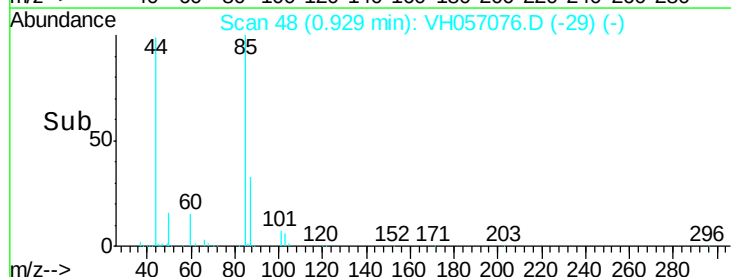
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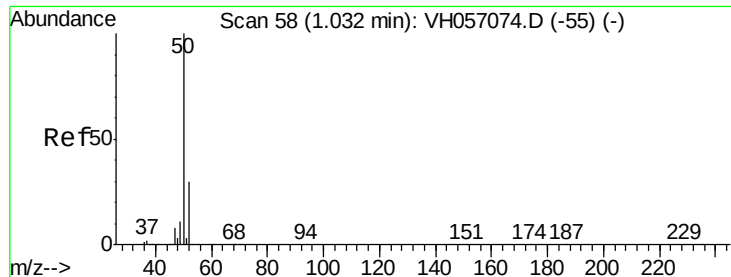
50000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 49.06 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

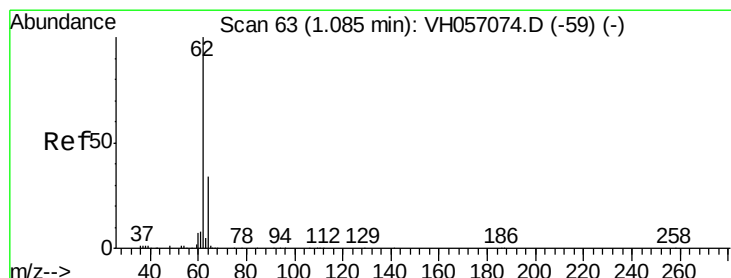
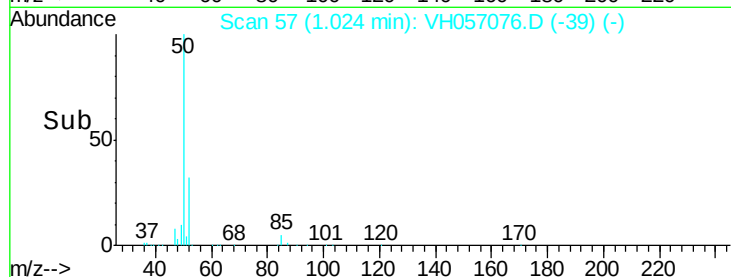
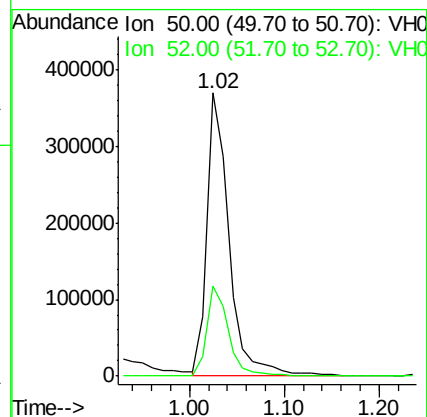
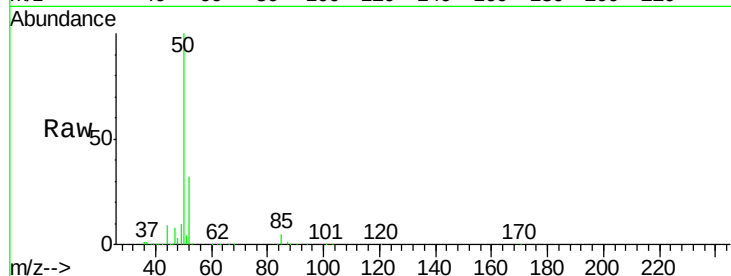
BFB

Tgt Ion: 50 Resp: 586229

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.8



#4

Vinyl Chloride

Concen: 48.75 ug/l

RT: 1.09 min Scan# 63

Delta R.T. 0.00 min

Lab File: VH057076.D

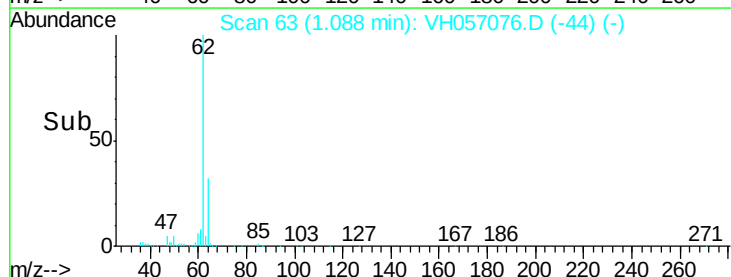
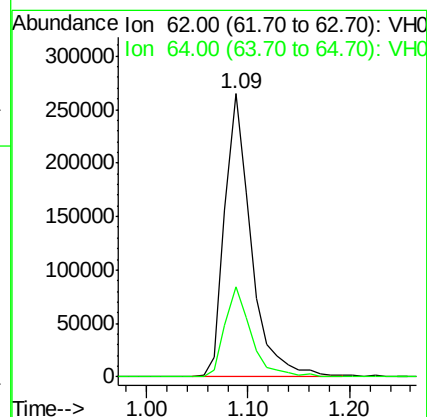
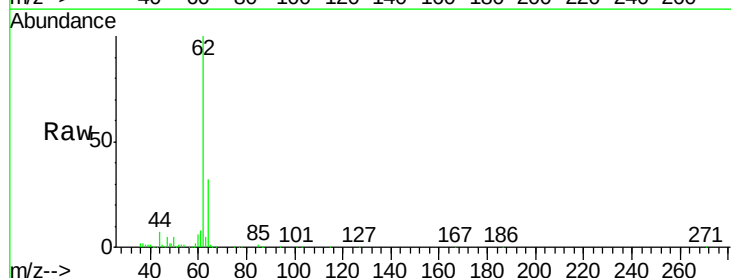
Acq: 17 Sep 2015 21:18

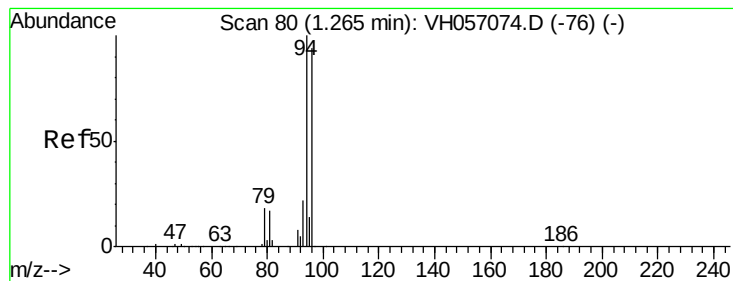
Tgt Ion: 62 Resp: 481458

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0





#5

Bromomethane

Concen: 47.98 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

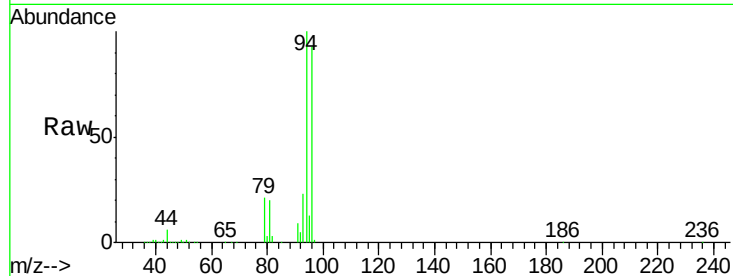
BFB

Tgt Ion: 94 Resp: 208576

Ion Ratio Lower Upper

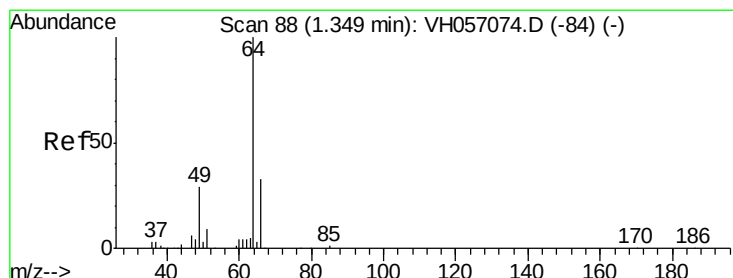
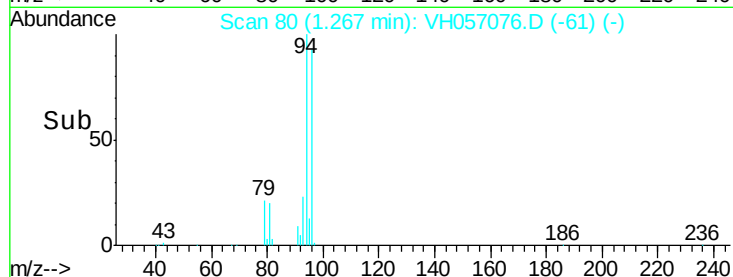
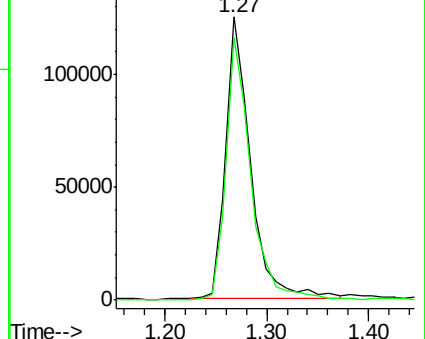
94 100

96 92.9 78.5 117.7



Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 50.18 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057076.D

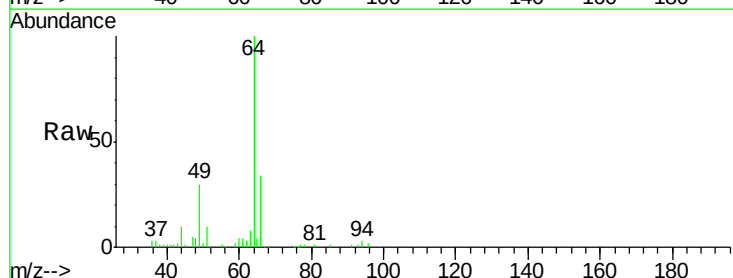
Acq: 17 Sep 2015 21:18

Tgt Ion: 64 Resp: 201636

Ion Ratio Lower Upper

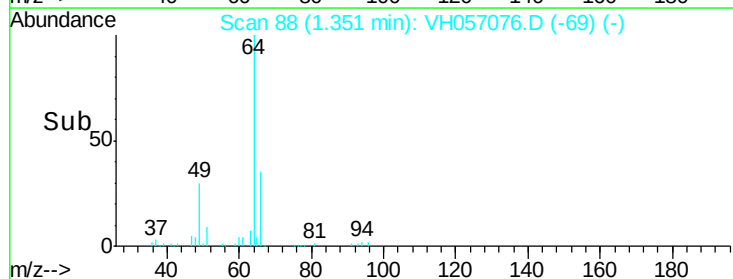
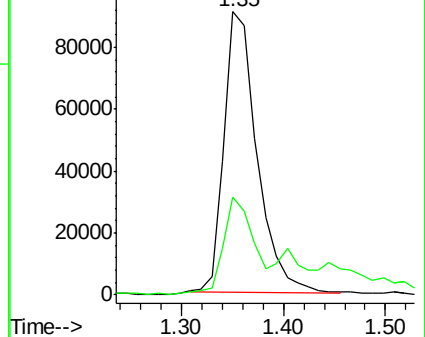
64 100

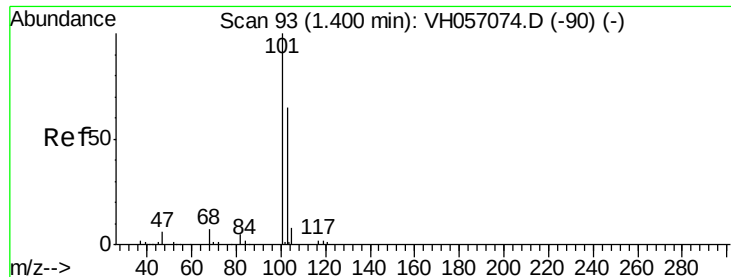
66 34.4 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#7

Trichlorofluoromethane

Concen: 17.46 ug/l

RT: 1.40 min Scan# 93

Delta R.T. 0.00 min

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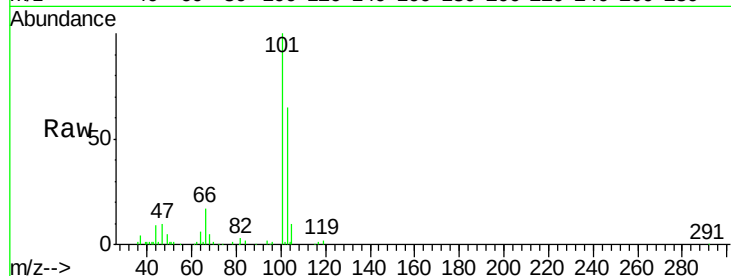
BFB

Tgt Ion:101 Resp: 161283

Ion Ratio Lower Upper

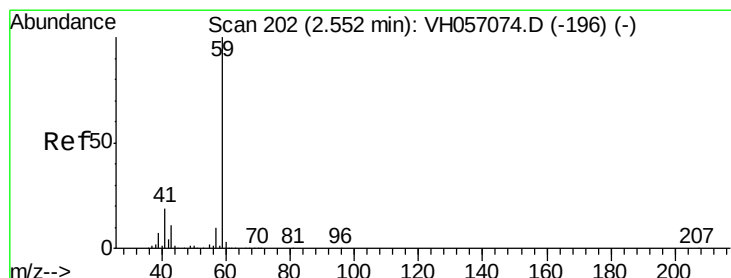
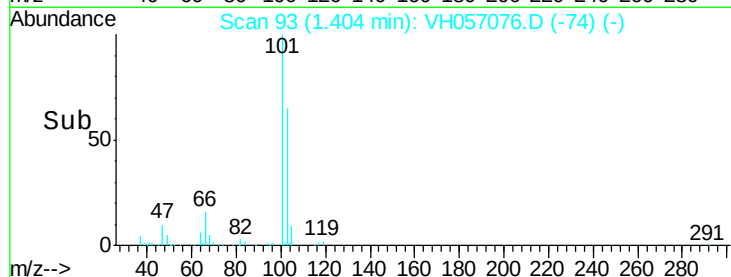
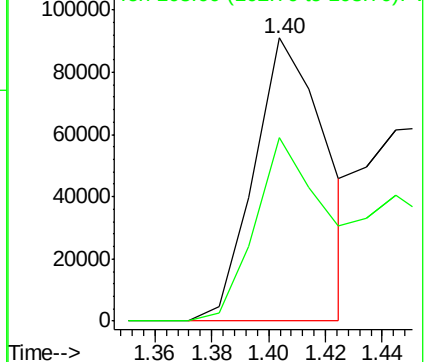
101 100

103 64.8 54.9 82.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Tert butyl alcohol

Concen: 255.97 ug/l

RT: 2.55 min Scan# 202

Delta R.T. 0.00 min

Lab File: VH057076.D

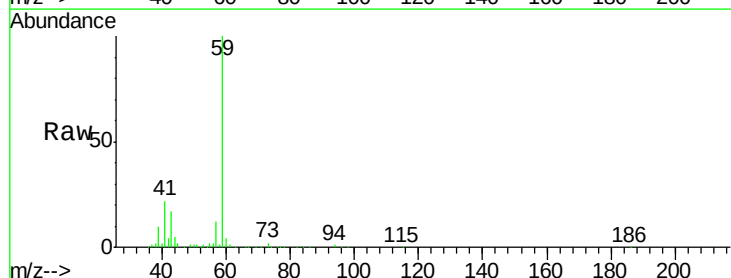
Acq: 17 Sep 2015 21:18

Tgt Ion: 59 Resp: 616262

Ion Ratio Lower Upper

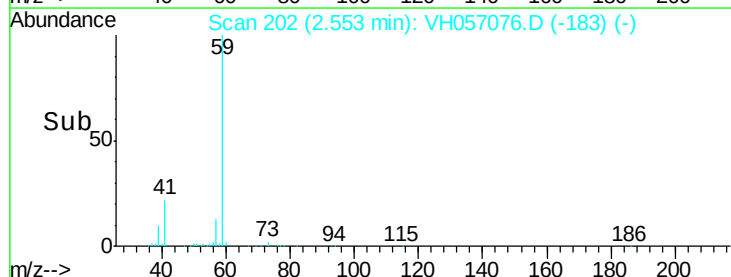
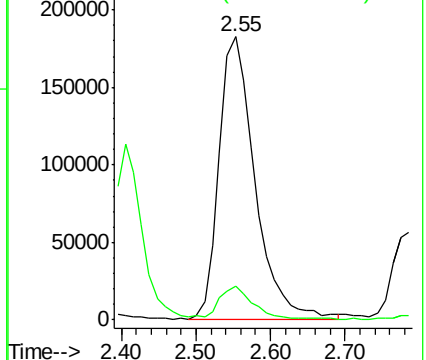
59 100

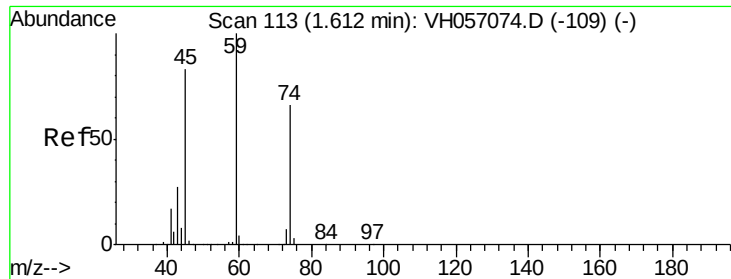
57 11.9 9.0 11.0#



Abundance Ion 59.00 (58.70 to 59.70): VHC

Ion 57.00 (56.70 to 57.70): VHC





#9

Diethyl Ether

Concen: 50.59 ug/l

RT: 1.61 min Scan# 113

Delta R.T. 0.00 min

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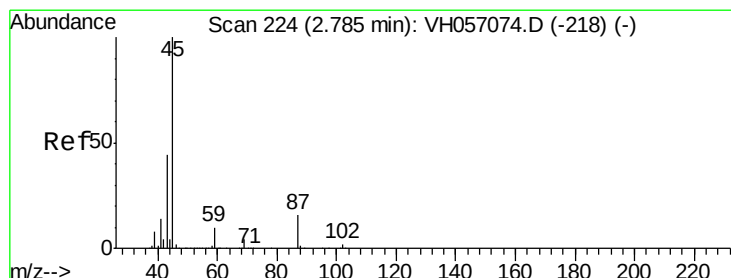
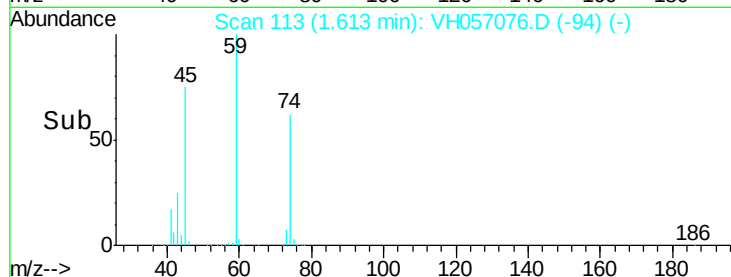
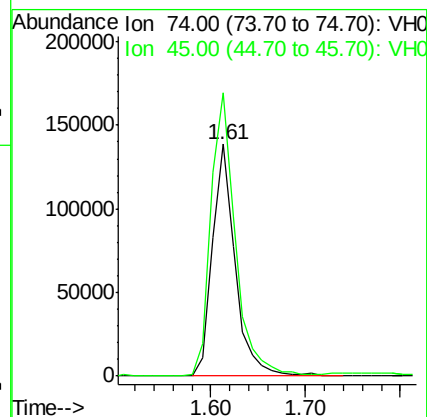
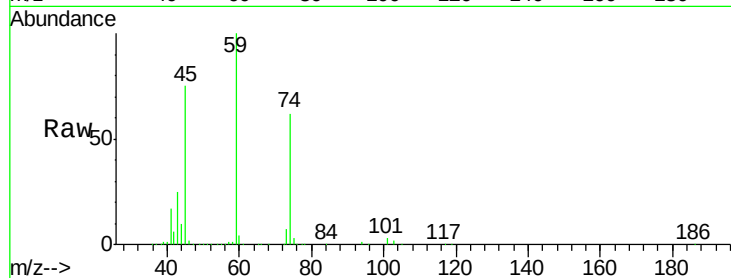
BFB

Tgt Ion: 74 Resp: 231024

Ion Ratio Lower Upper

74 100

45 122.2 0.0 304.4



#10

Diisopropyl ether

Concen: 49.11 ug/l

RT: 2.79 min Scan# 224

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Tgt Ion: 45 Resp: 1643994

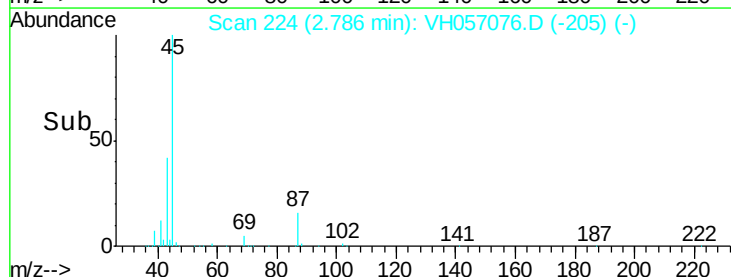
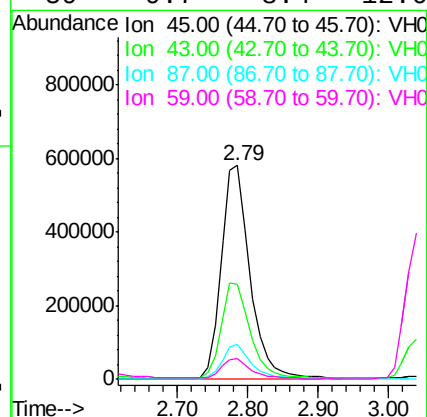
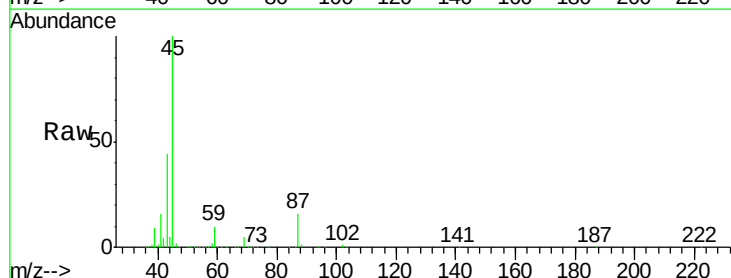
Ion Ratio Lower Upper

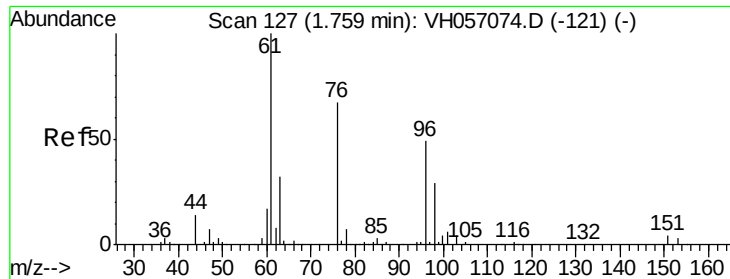
45 100

43 44.5 34.6 52.0

87 16.1 12.6 19.0

59 9.7 8.4 12.6

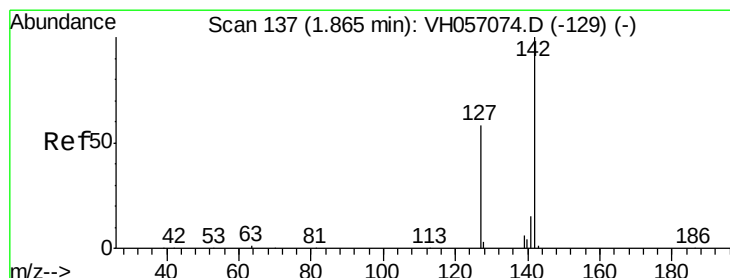
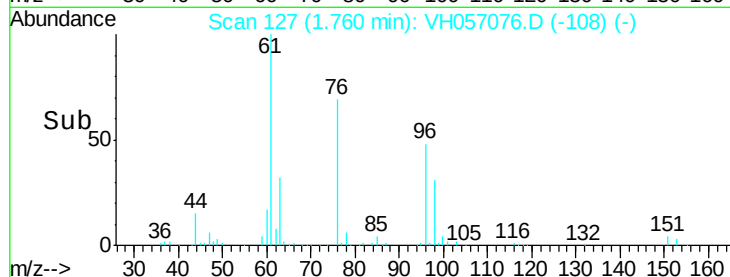
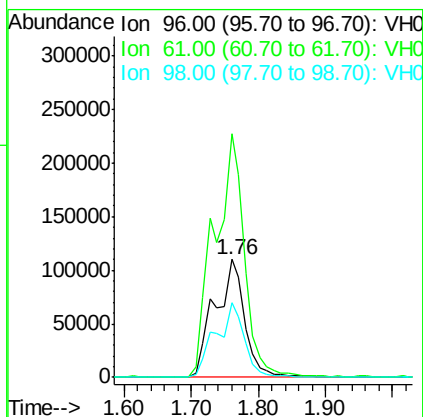
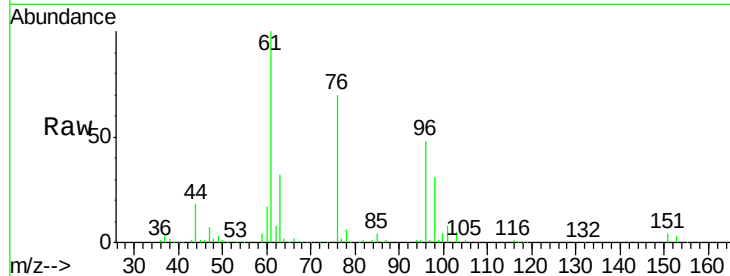




#11
 1,1-Dichloroethene
 Concen: 49.58 ug/l
 RT: 1.76 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

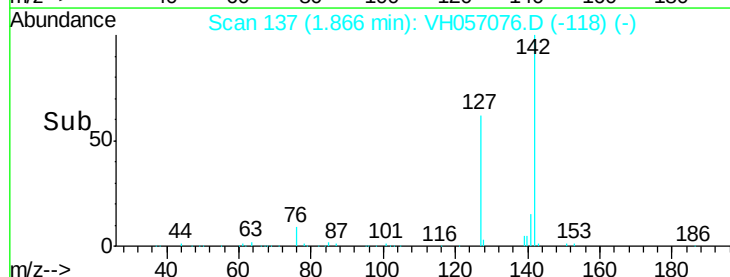
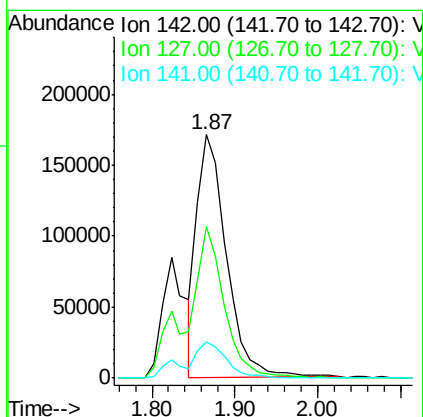
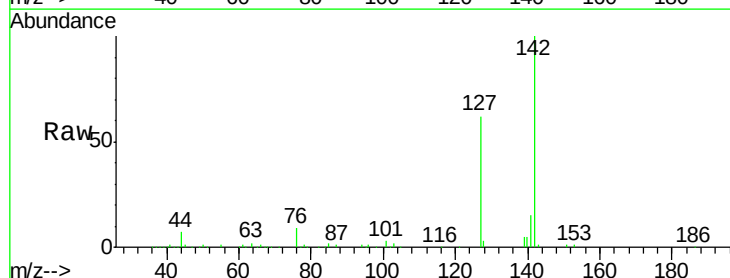
Instrument :
 MSVOA_H
 ClientSampled :
 BFB

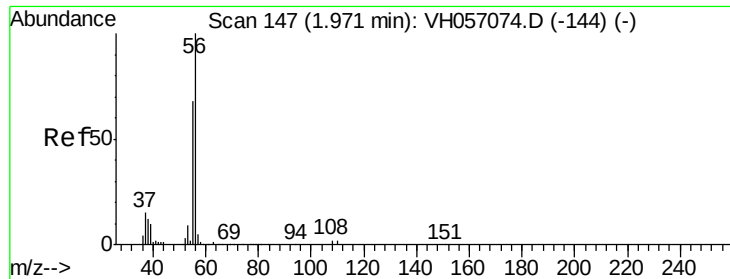
Tgt Ion: 96 Resp: 343432
 Ion Ratio Lower Upper
 96 100
 61 206.7 158.4 237.6
 98 63.4 50.6 75.8



#12
 Methyl Iodide
 Concen: 34.19 ug/l
 RT: 1.87 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

Tgt Ion: 142 Resp: 417354
 Ion Ratio Lower Upper
 142 100
 127 62.2 30.0 90.1
 141 15.1 7.1 21.4





#13

Acrolein

Concen: 281.02 ug/l

RT: 1.97 min Scan# 147

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

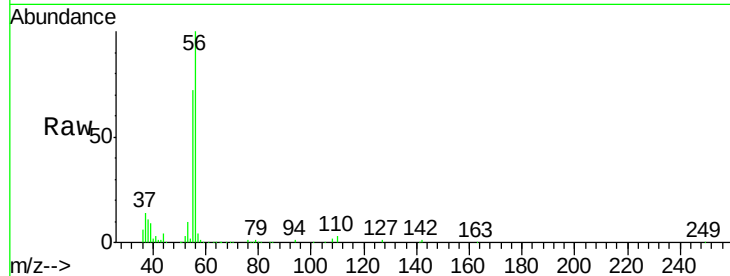
BFB

Tgt Ion: 56 Resp: 404589

Ion Ratio Lower Upper

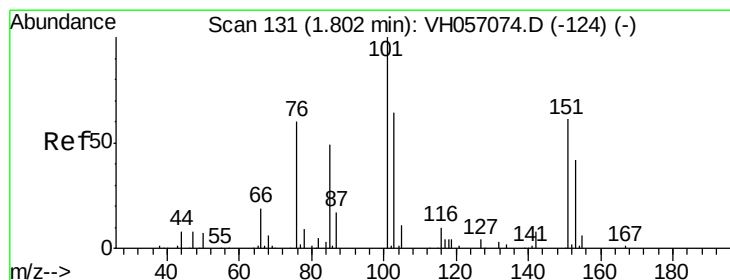
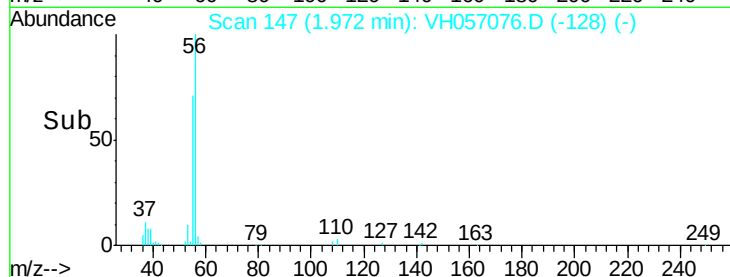
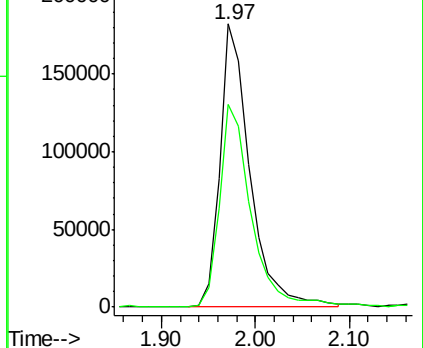
56 100

55 71.7 52.9 79.3



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: 49.70 ug/l

RT: 1.80 min Scan# 131

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

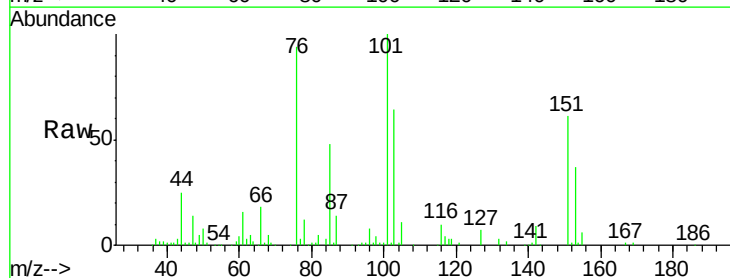
Tgt Ion: 101 Resp: 335407

Ion Ratio Lower Upper

101 100

85 47.9 37.9 56.9

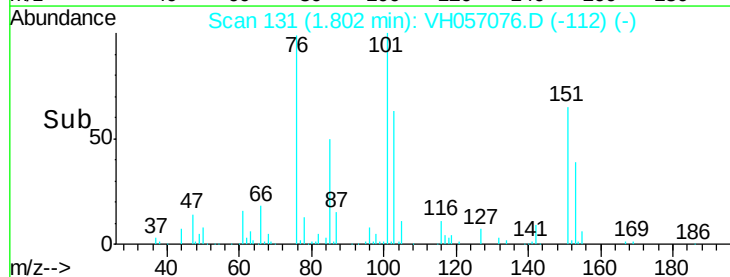
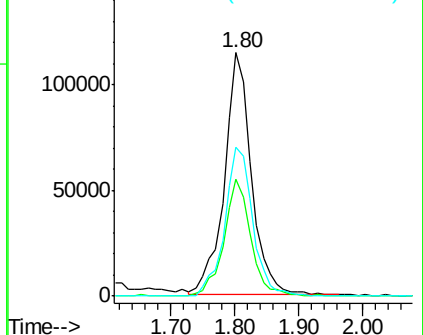
151 61.0 50.6 76.0

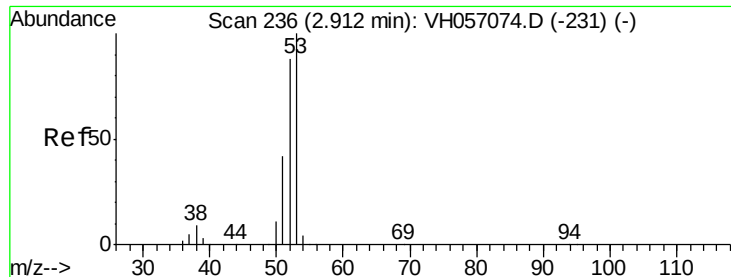


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VH0

Ion 151.00 (150.70 to 151.70): V





#15

Acrylonitrile

Concen: 244.91 ug/l

RT: 2.91 min Scan# 236

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

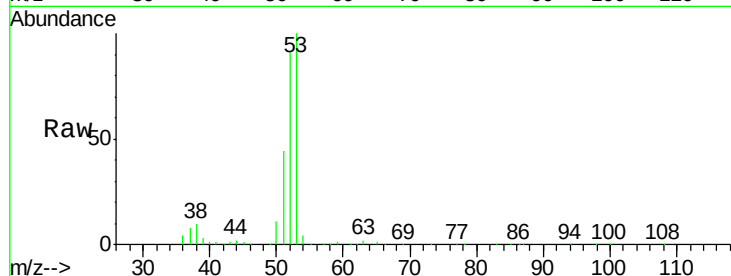
Tgt Ion: 53 Resp: 1075333

Ion Ratio Lower Upper

53 100

52 91.4 67.6 101.4

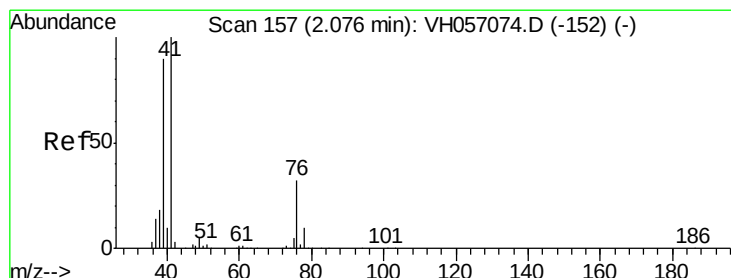
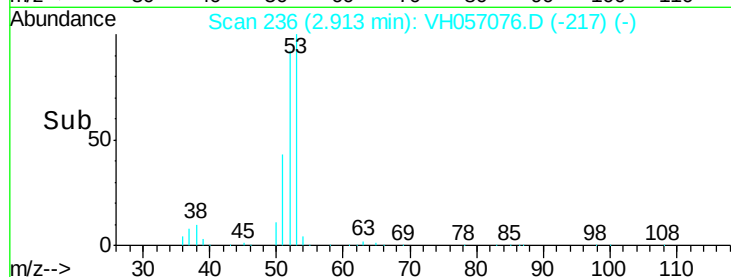
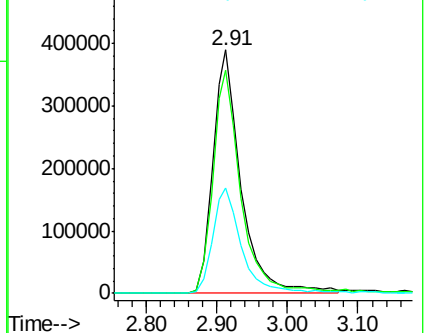
51 43.5 31.8 47.6



Abundance Ion 53.00 (52.70 to 53.70): VH0

Ion 52.00 (51.70 to 52.70): VH0

Ion 51.00 (50.70 to 51.70): VH0



#16

Allyl Chloride

Concen: 50.96 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

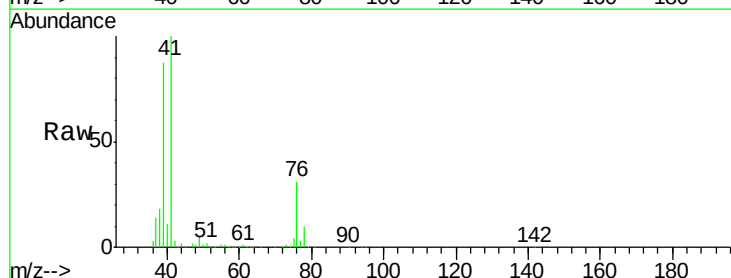
Tgt Ion: 41 Resp: 727742

Ion Ratio Lower Upper

41 100

39 87.1 41.0 123.2

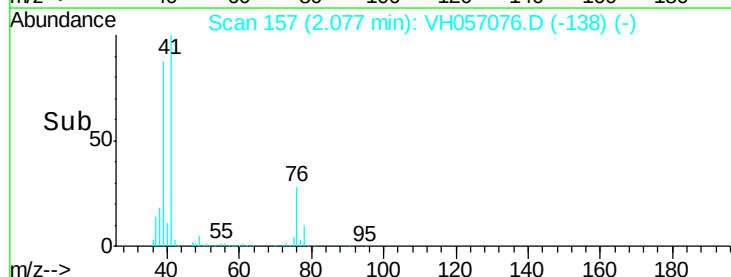
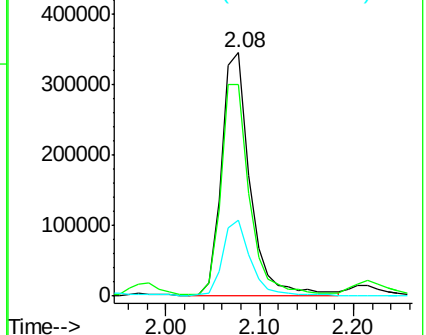
76 31.3 14.3 42.9

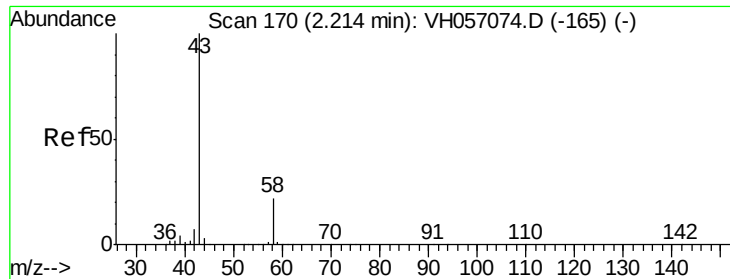


Abundance Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

Ion 76.00 (75.70 to 76.70): VH0





#17

Acetone

Concen: 258.62 ug/l

RT: 2.22 min Scan# 170

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

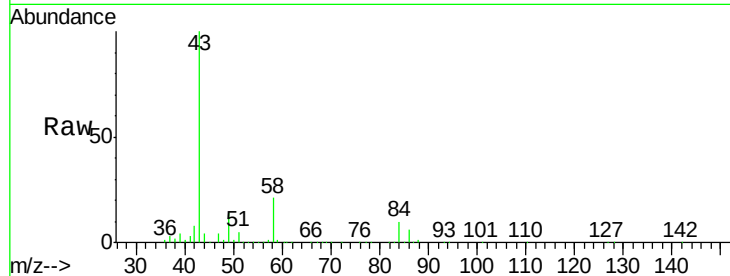
BFB

Tgt Ion: 43 Resp: 1425893

Ion Ratio Lower Upper

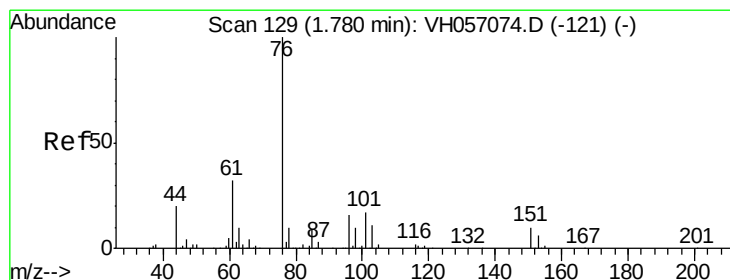
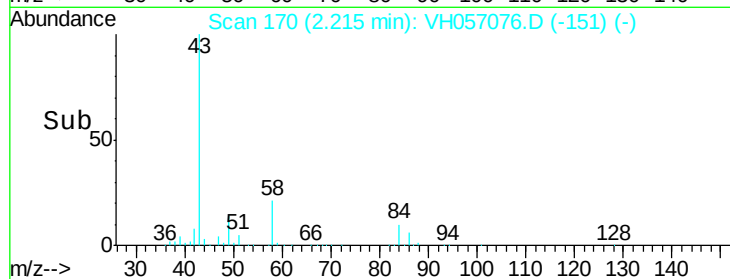
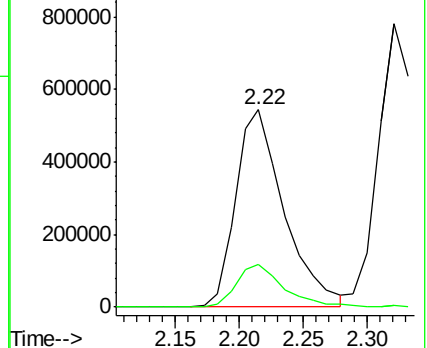
43 100

58 21.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#18

Carbon Disulfide

Concen: 47.91 ug/l

RT: 1.77 min Scan# 128

Delta R.T. -0.01 min

Lab File: VH057076.D

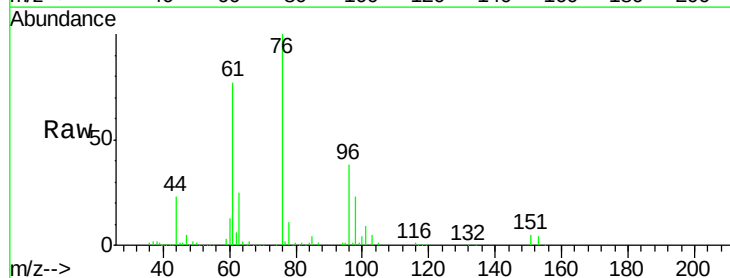
Acq: 17 Sep 2015 21:18

Tgt Ion: 76 Resp: 978702

Ion Ratio Lower Upper

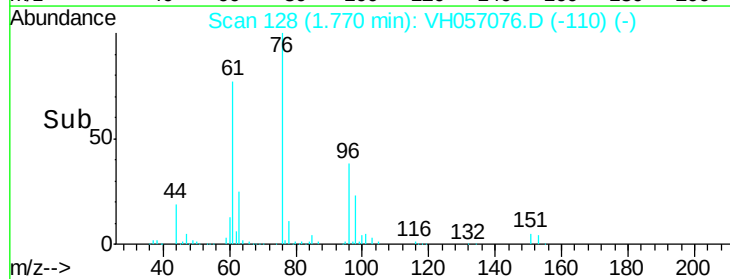
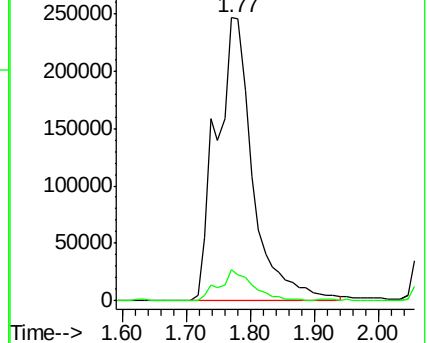
76 100

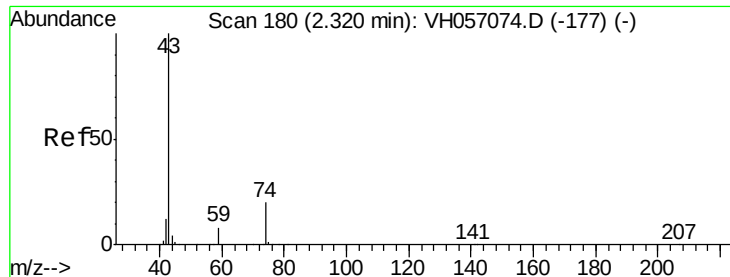
78 10.9 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0

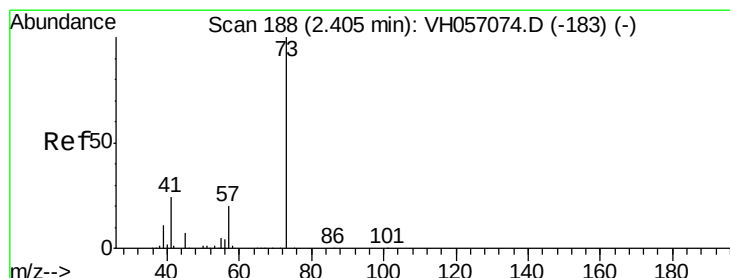
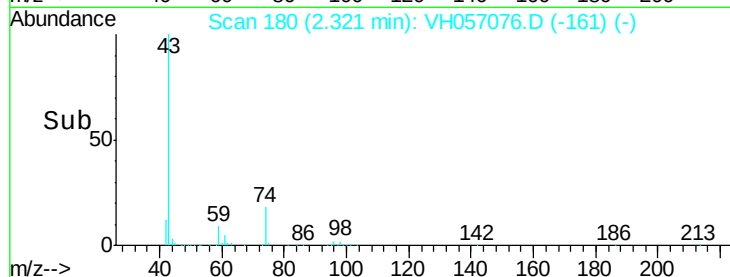
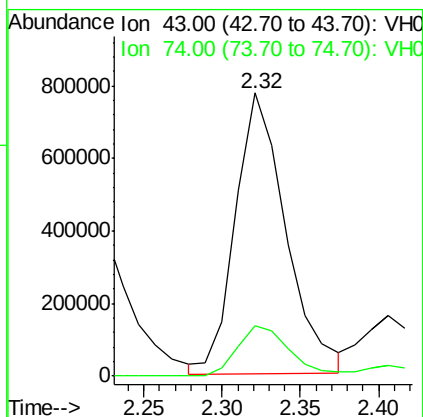
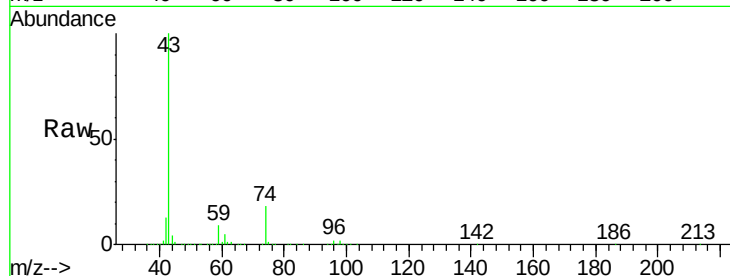




#19
Methyl Acetate
Concen: 49.92 ug/l
RT: 2.32 min Scan# 180
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

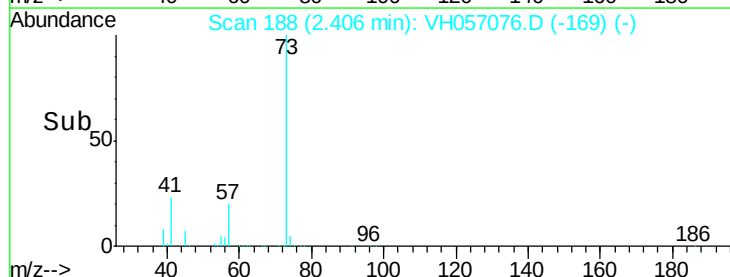
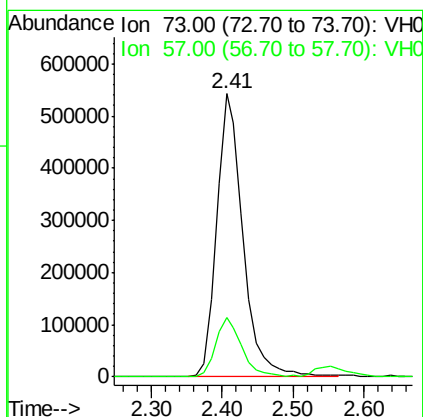
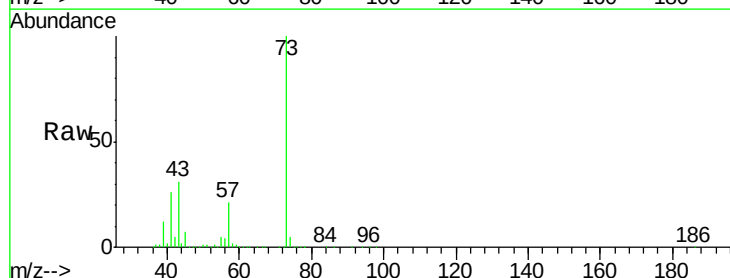
Instrument :
MSVOA_H
ClientSampleId :
BFB

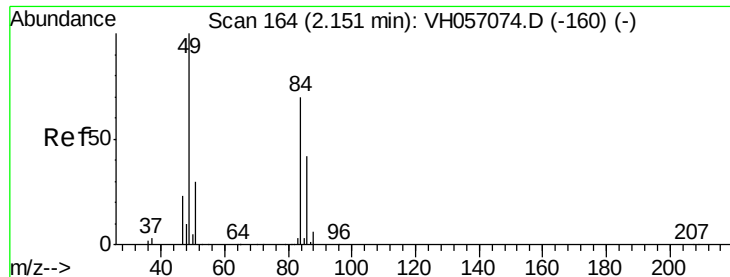
Tgt Ion: 43 Resp: 1742234
Ion Ratio Lower Upper
43 100
74 17.9 13.3 24.7



#20
Methyl tert-butyl Ether
Concen: 50.70 ug/l
RT: 2.41 min Scan# 188
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

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

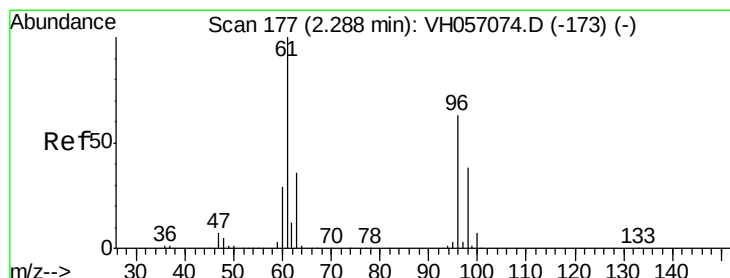
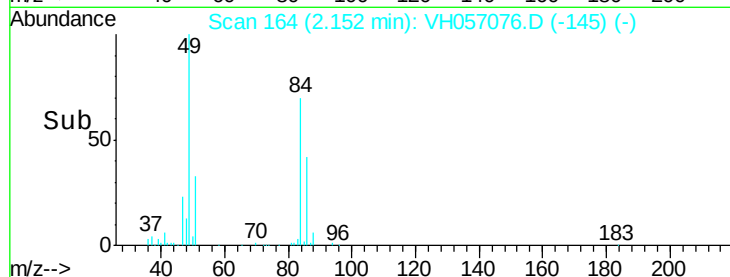
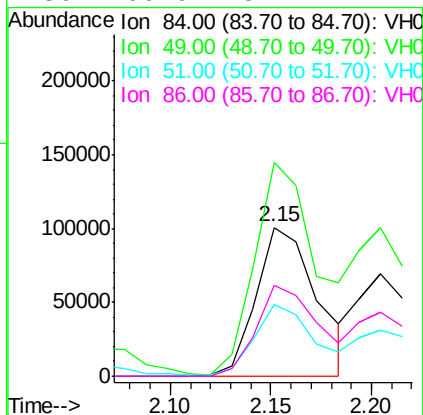
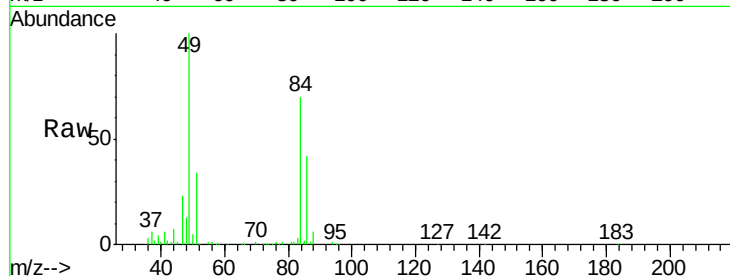




#21
Methylene Chloride
Concen: 27.87 ug/l
RT: 2.15 min Scan# 164
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

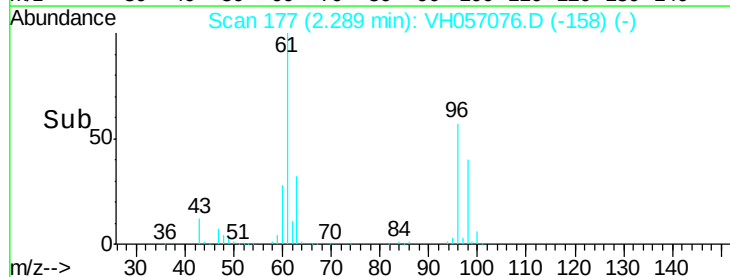
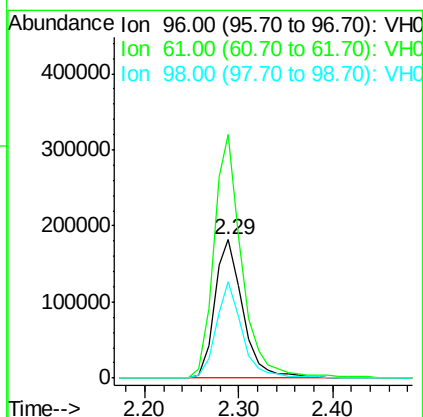
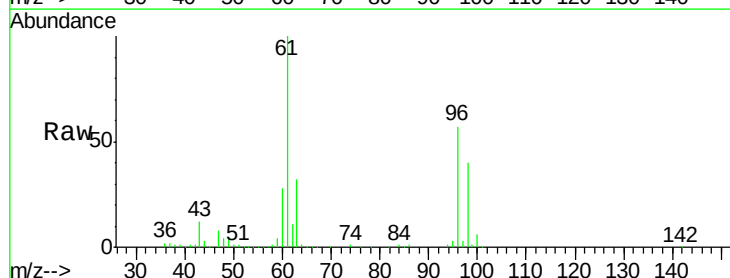
Instrument :
MSVOA_H
ClientSampleId :
BFB

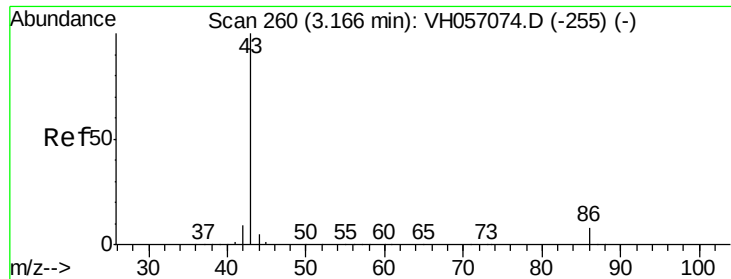
Tgt Ion: 84 Resp: 211262
Ion Ratio Lower Upper
84 100
49 143.4 132.8 199.2
51 48.3 39.5 59.3
86 60.9 51.4 77.2



#22
trans-1,2-Dichloroethene
Concen: 49.40 ug/l
RT: 2.29 min Scan# 177
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

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





#23

Vinyl Acetate

Concen: 246.65 ug/l

RT: 3.17 min Scan# 260

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

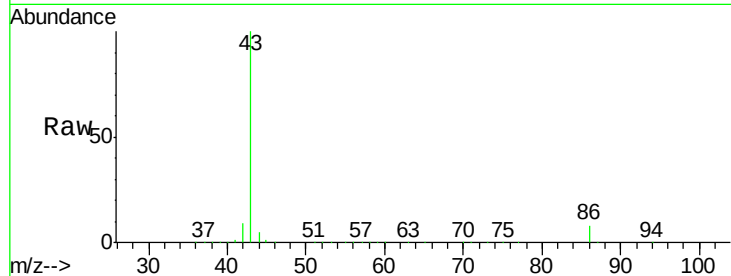
BFB

Tgt Ion: 43 Resp: 3907715

Ion Ratio Lower Upper

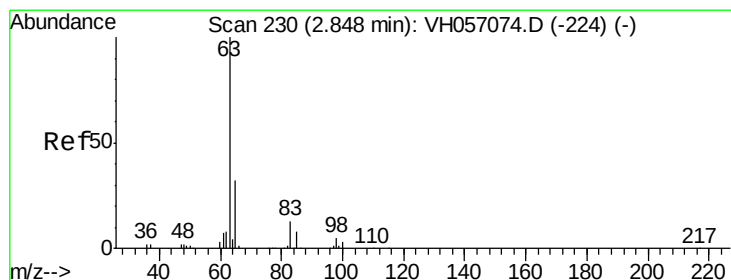
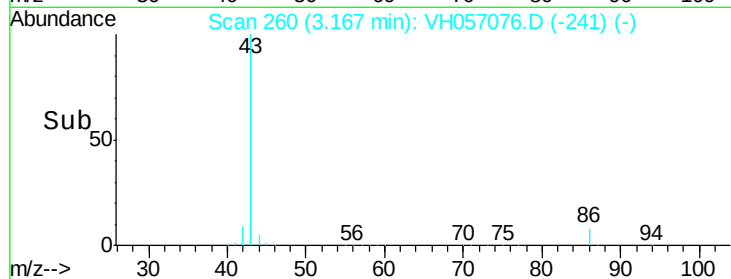
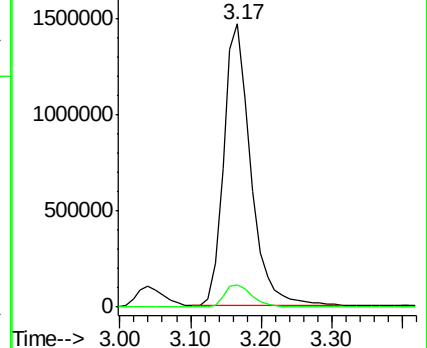
43 100

86 8.1 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 86.00 (85.70 to 86.70): VH0



#24

1,1-Dichloroethane

Concen: 50.59 ug/l

RT: 2.85 min Scan# 230

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

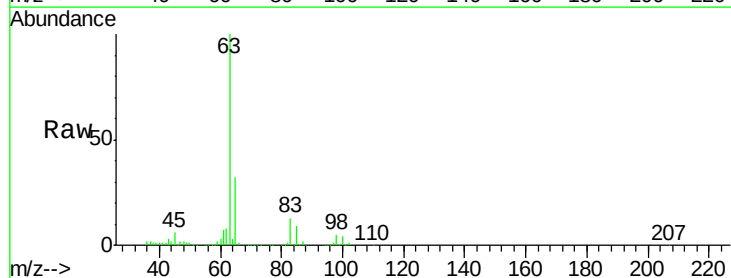
Tgt Ion: 63 Resp: 834043

Ion Ratio Lower Upper

63 100

98 5.1 2.6 7.8

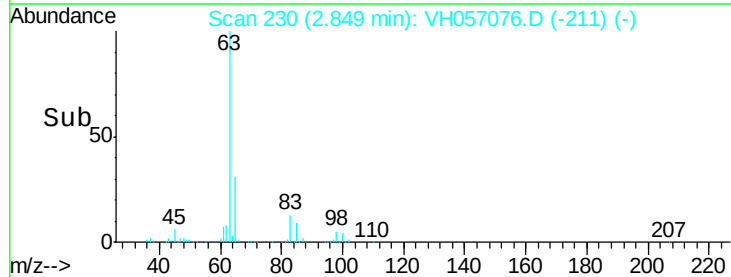
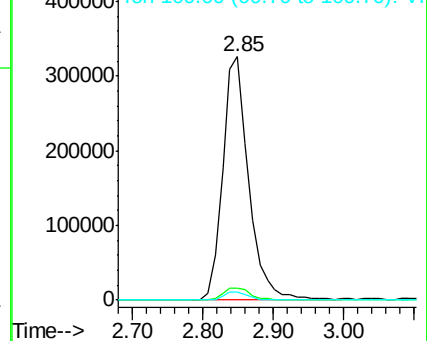
100 3.6 1.7 5.0

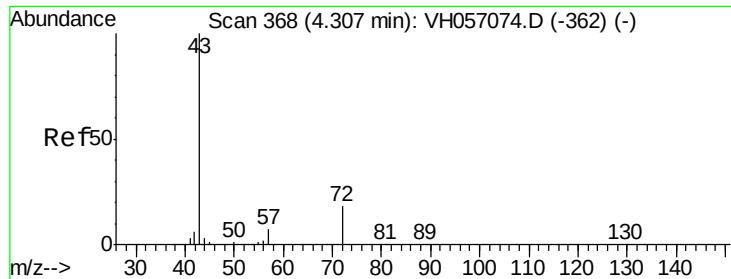


Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH0

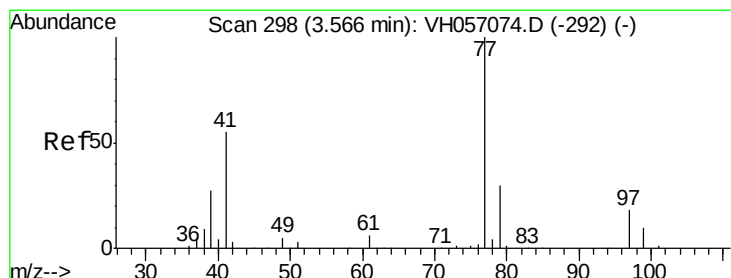
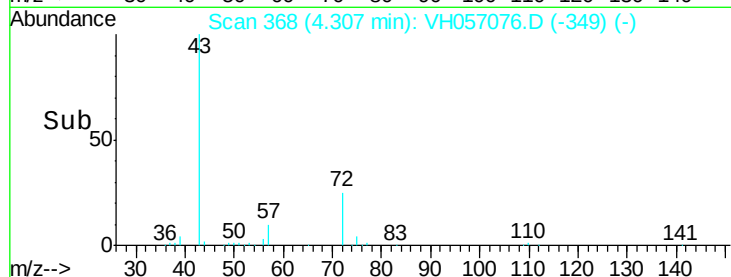
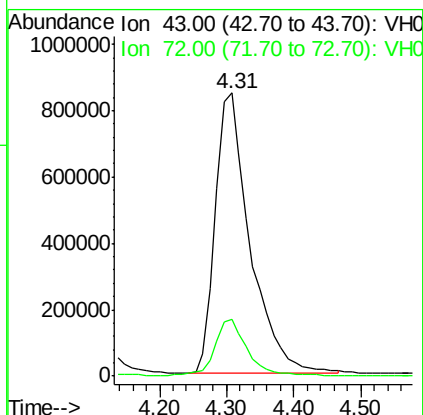
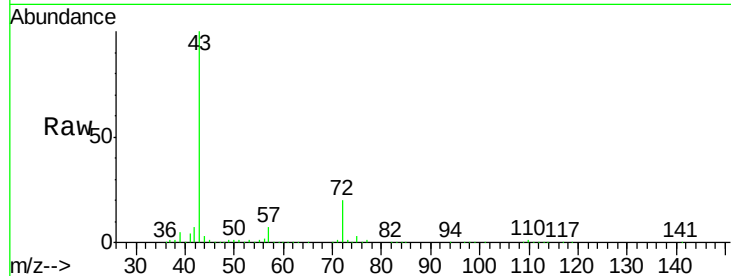




#25
 2-Butanone
 Concen: 242.20 ug/l
 RT: 4.31 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

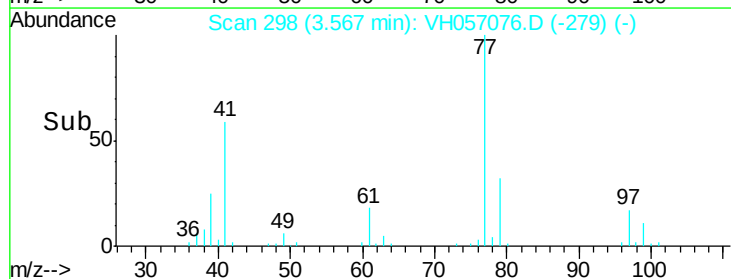
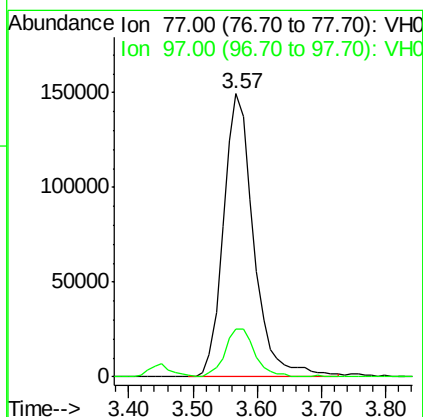
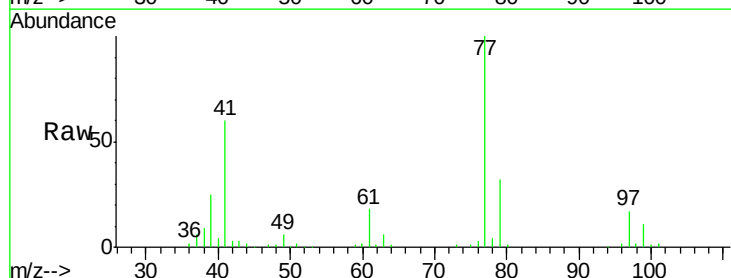
Instrument :
 MSVOA_H
 ClientSampleId :
 BFB

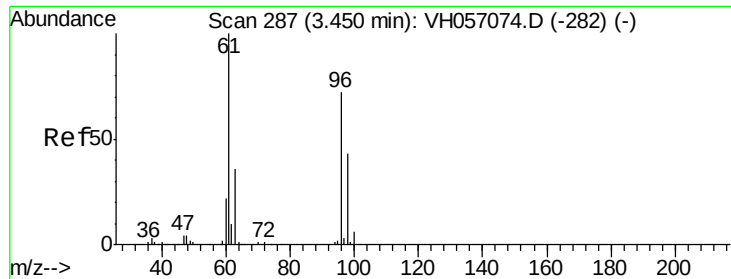
Tgt Ion: 43 Resp: 3016949
 Ion Ratio Lower Upper
 43 100
 72 20.2 0.0 39.2



#26
 2,2-Dichloropropane
 Concen: 46.91 ug/l
 RT: 3.57 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

Tgt Ion: 77 Resp: 485435
 Ion Ratio Lower Upper
 77 100
 97 17.0 8.8 26.4



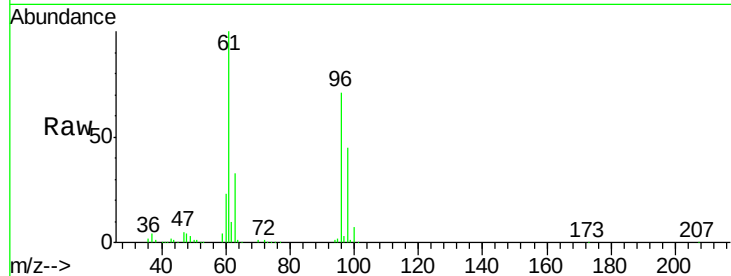


#27

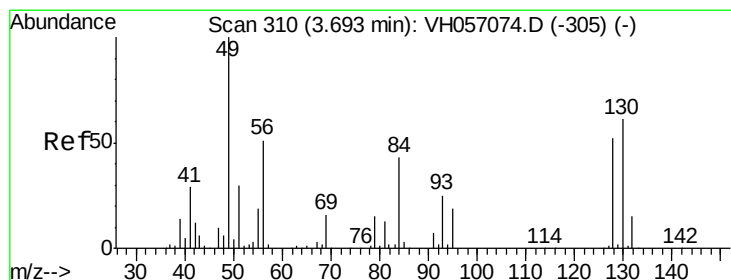
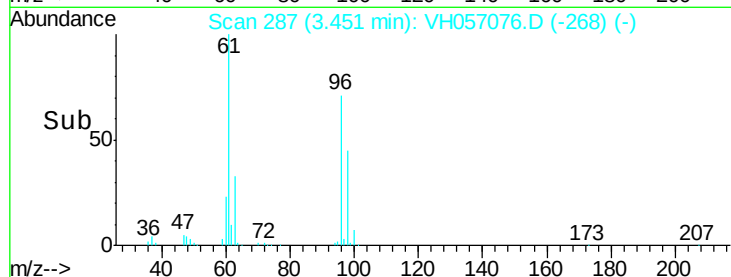
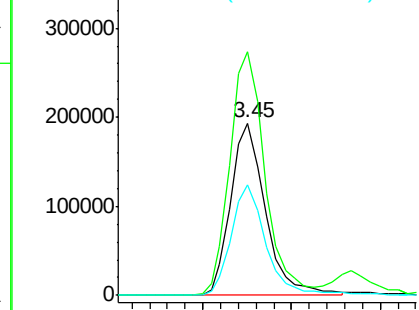
cis-1,2-Dichloroethene
Concen: 49.69 ug/l
RT: 3.45 min Scan# 287
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampled :
BFB

Tgt Ion: 96 Resp: 528495
Ion Ratio Lower Upper
96 100
61 141.5 115.4 173.0
98 64.1 49.7 74.5



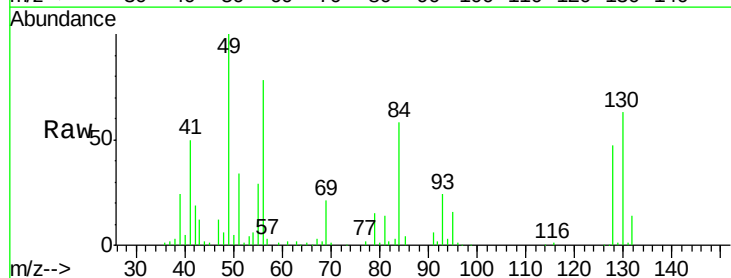
Abundance Ion 96.00 (95.70 to 96.70): VH0
Ion 61.00 (60.70 to 61.70): VH0
Ion 98.00 (97.70 to 98.70): VH0



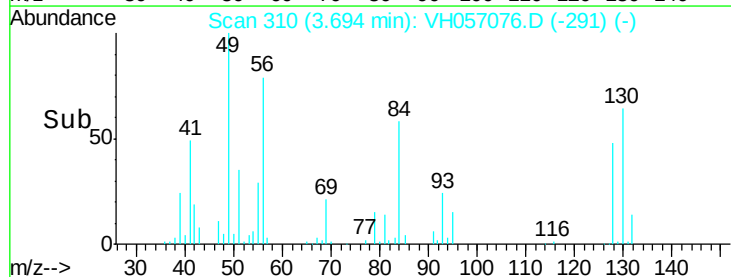
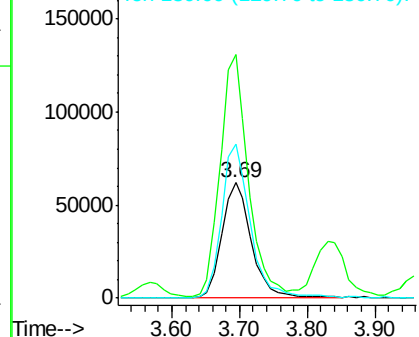
#28

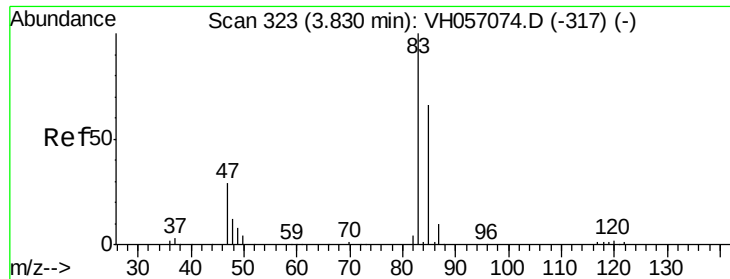
Bromochloromethane
Concen: 53.32 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

Tgt Ion: 128 Resp: 189420
Ion Ratio Lower Upper
128 100
49 211.4 0.0 441.4
130 133.3 100.7 151.1



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

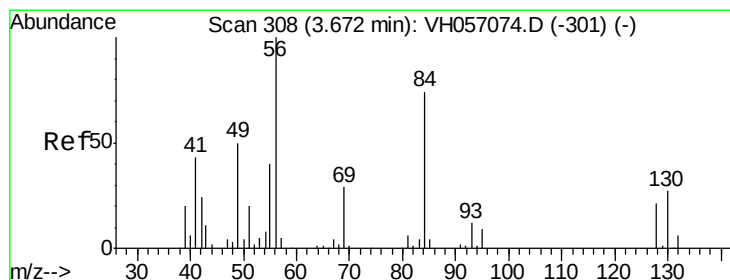
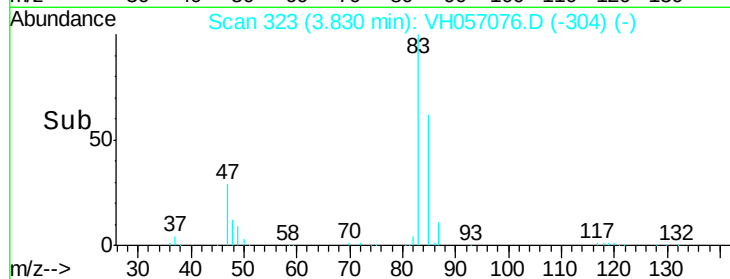
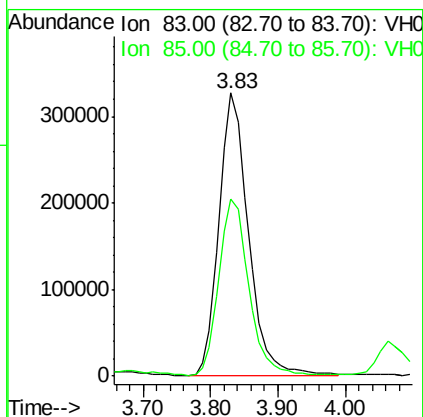
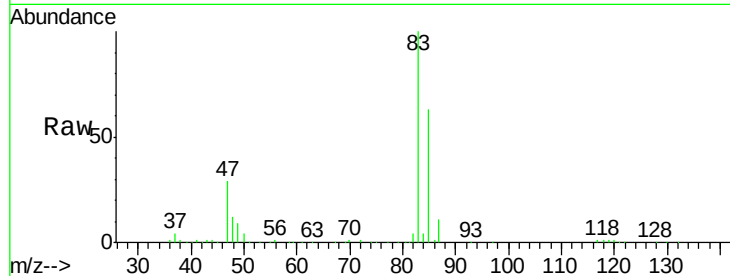




#29
Chloroform
Concen: 51.13 ug/l
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

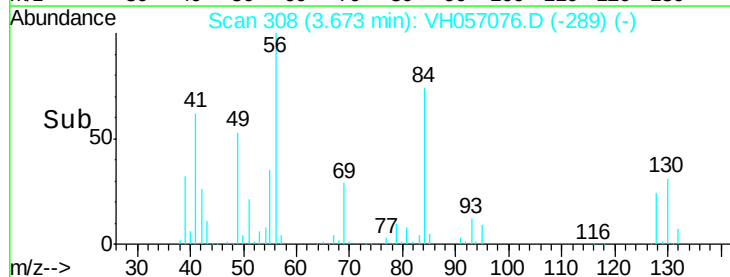
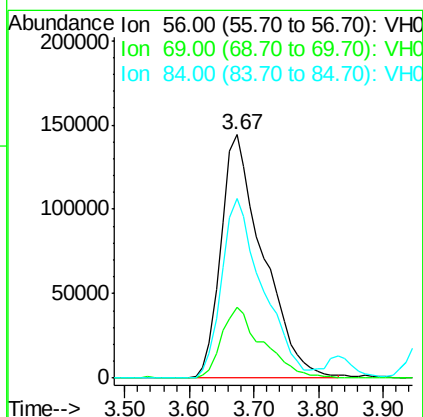
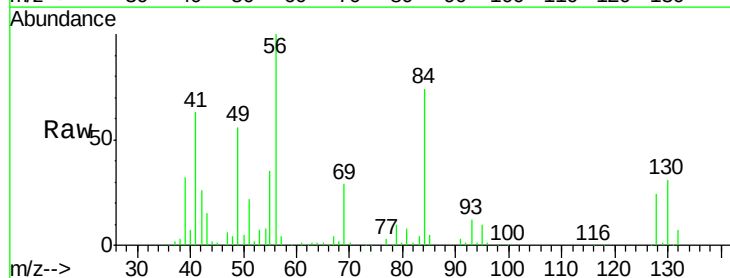
Instrument :
MSVOA_H
ClientSampled :
BFB

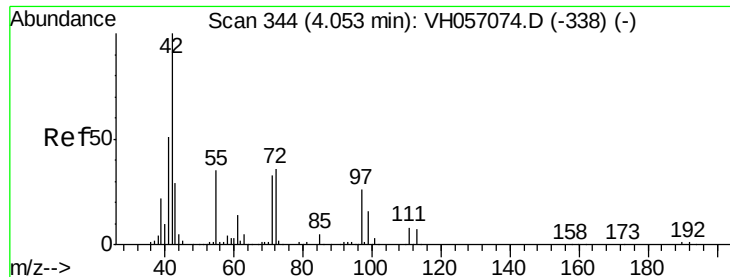
Tgt Ion: 83 Resp: 996283
Ion Ratio Lower Upper
83 100
85 62.6 54.3 81.5



#30
Cyclohexane
Concen: 49.64 ug/l
RT: 3.67 min Scan# 308
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

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

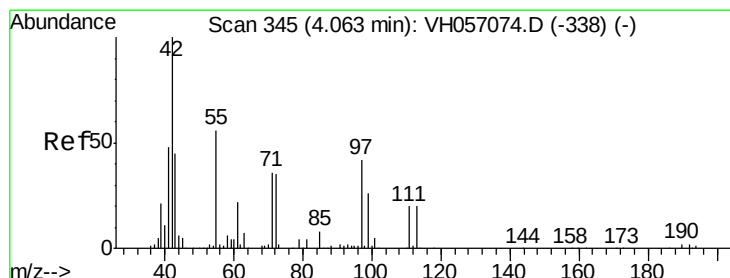
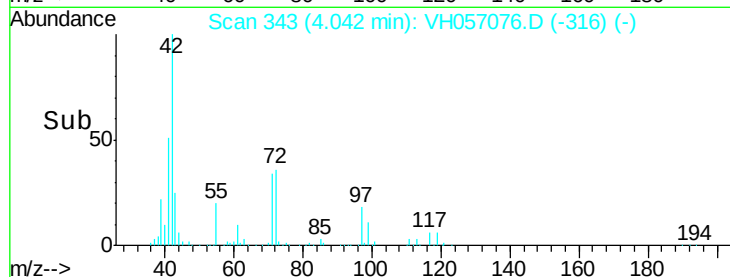
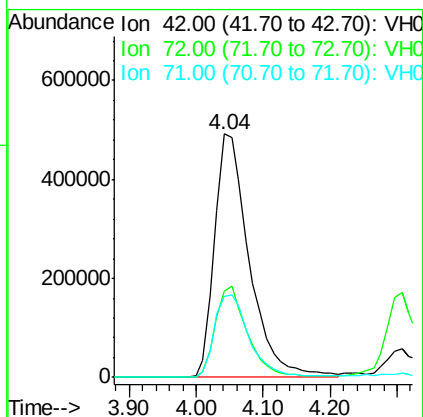
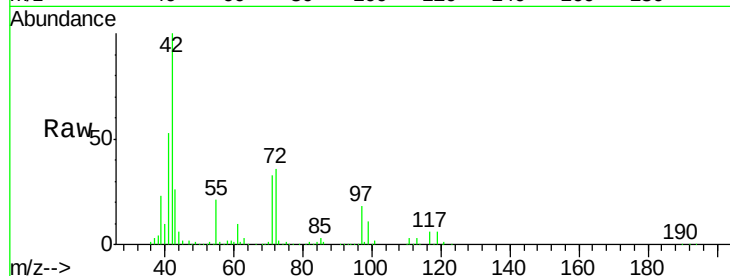




#31
Tetrahydrofuran
Concen: 251.55 ug/l
RT: 4.04 min Scan# 343
Delta R.T. -0.01 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

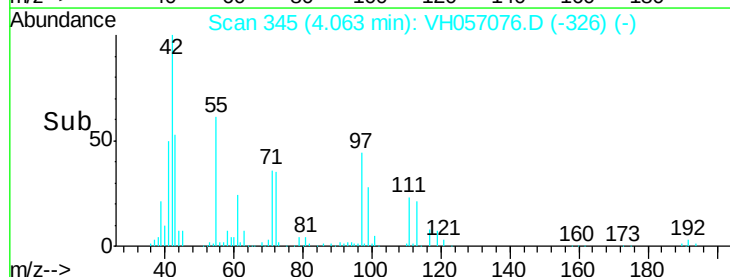
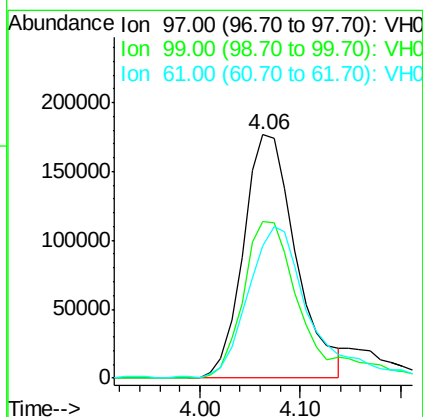
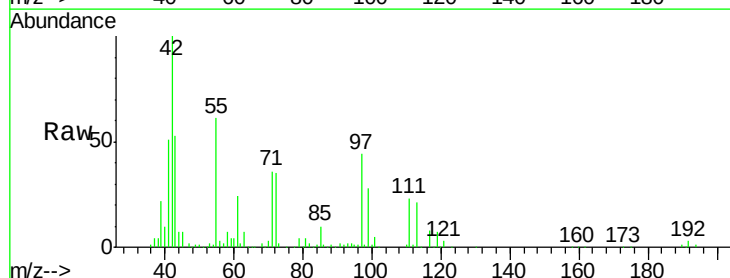
Instrument :
MSVOA_H
ClientSampleId :
BFB

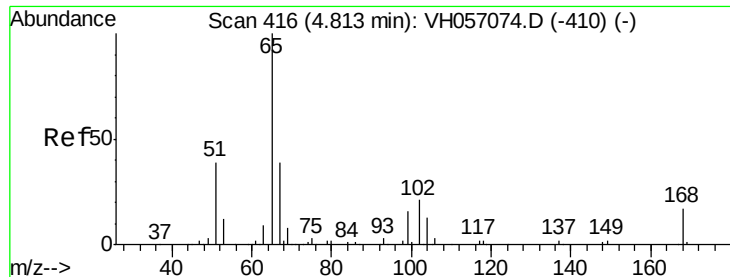
Tgt Ion: 42 Resp: 1758789
Ion Ratio Lower Upper
42 100
72 35.0 25.5 38.3
71 34.1 25.4 38.0



#32
1,1,1-Trichloroethane
Concen: 45.92 ug/l
RT: 4.06 min Scan# 345
Delta R.T. -0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

Tgt Ion: 97 Resp: 644200
Ion Ratio Lower Upper
97 100
99 64.1 49.8 74.6
61 54.5 45.0 67.4

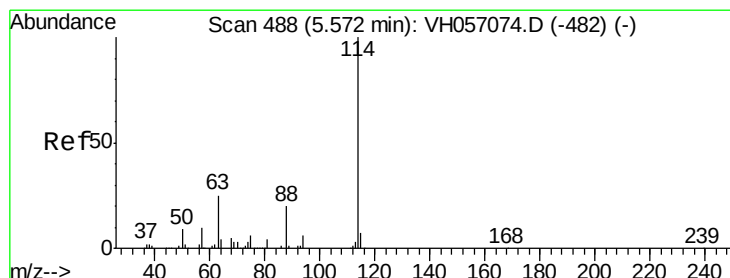
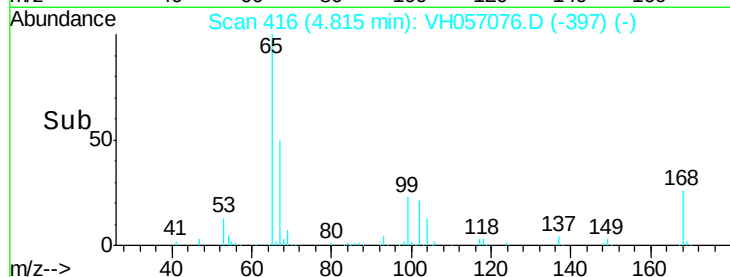
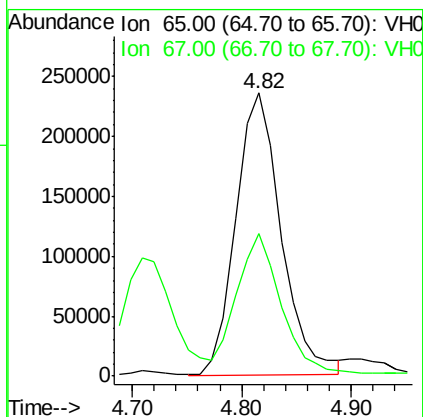
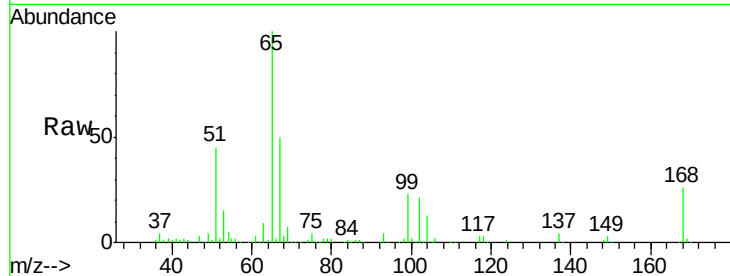




#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 4.82 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

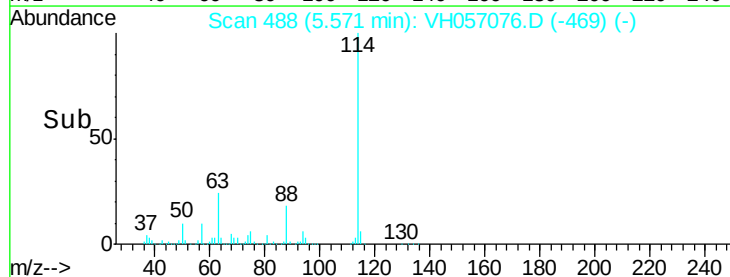
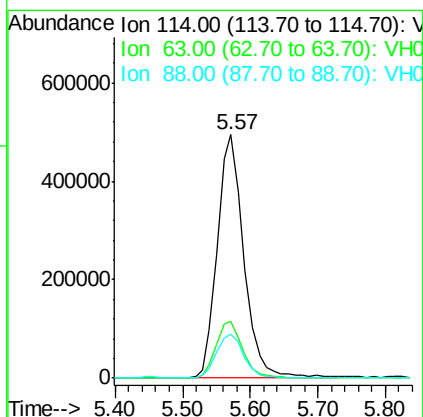
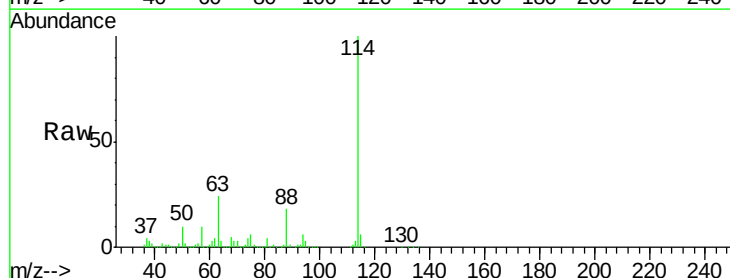
Instrument :
 MSVOA_H
 ClientSampled :
 BFB

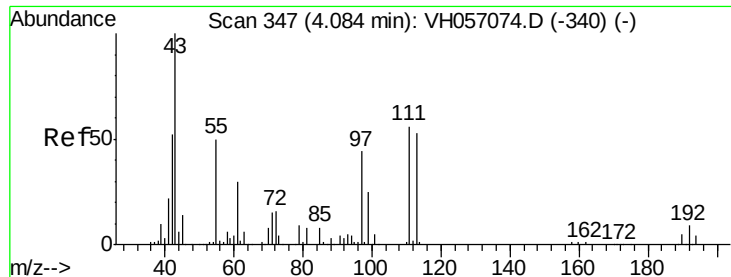
Tgt Ion: 65 Resp: 670424
 Ion Ratio Lower Upper
 65 100
 67 50.2 43.2 64.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

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

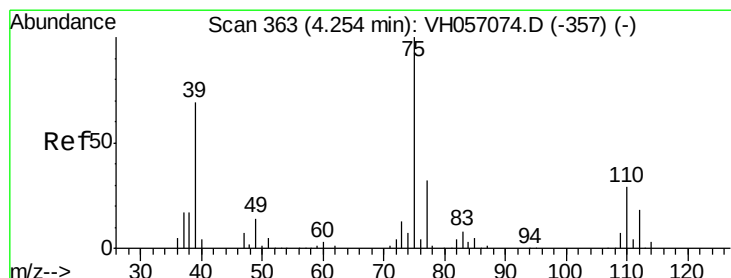
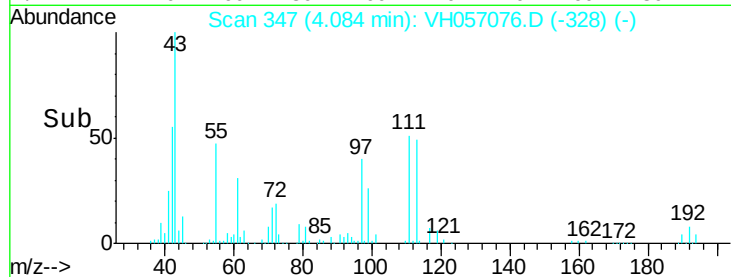
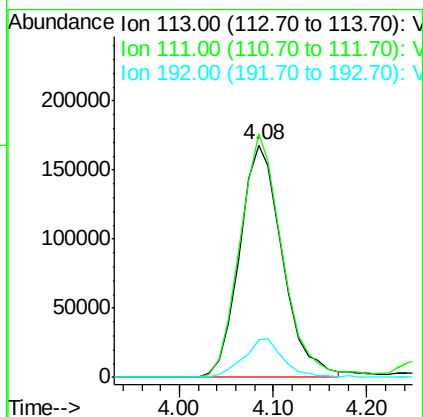
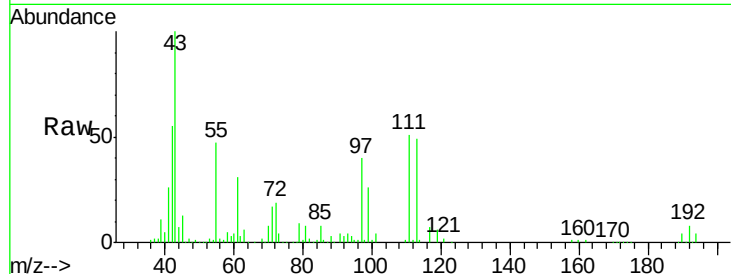




#35
 Dibromofluoromethane
 Concen: 50.05 ug/l
 RT: 4.08 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

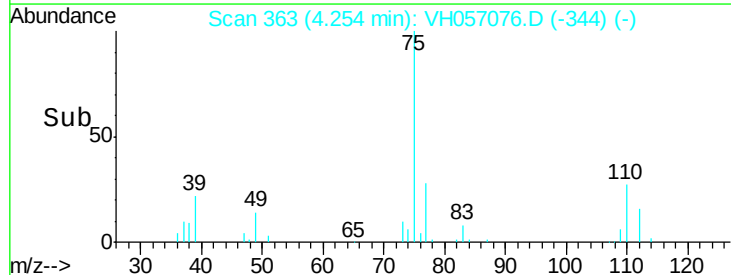
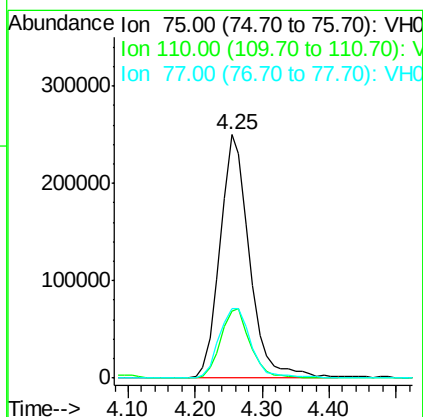
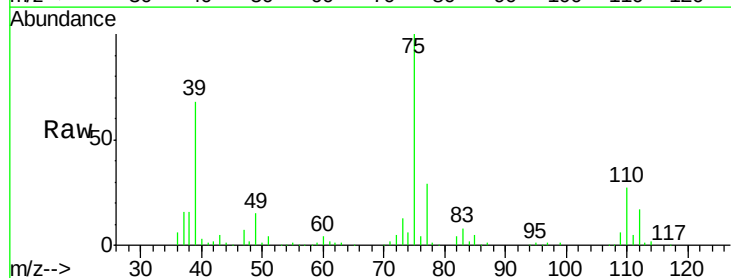
Instrument :
 MSVOA_H
 ClientSampled :
 BFB

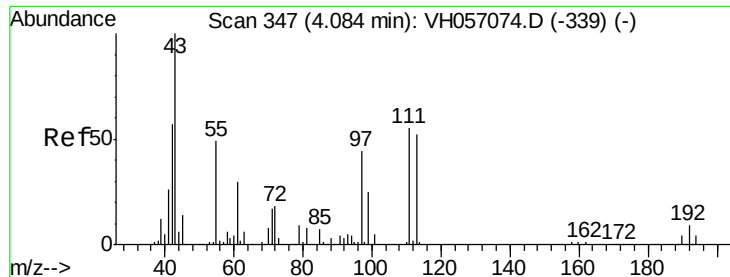
Tgt Ion: 113 Resp: 534895
 Ion Ratio Lower Upper
 113 100
 111 104.7 84.0 126.0
 192 15.9 13.6 20.4



#36
 1,1-Dichloropropene
 Concen: 51.35 ug/l
 RT: 4.25 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

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

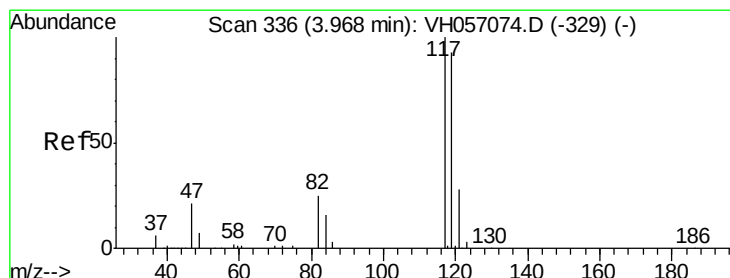
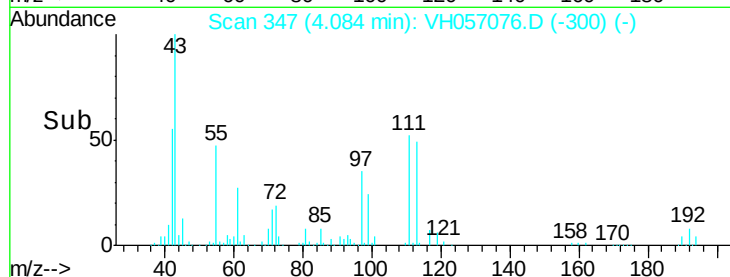
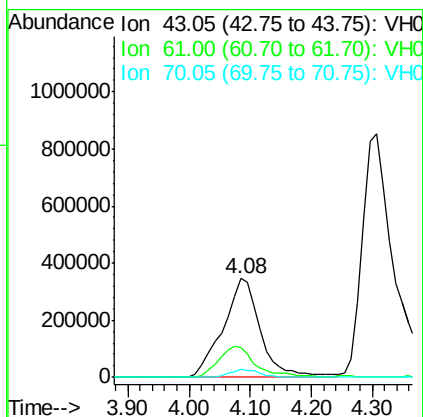
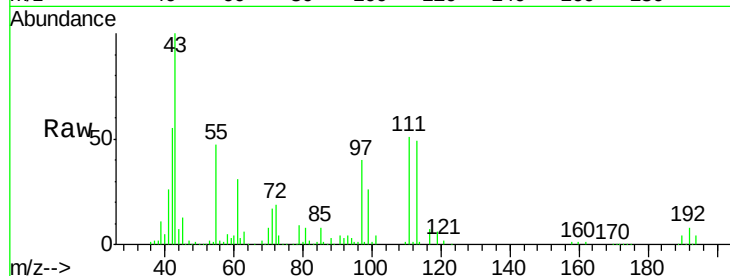




#37
Ethyl acetate
Concen: 51.97 ug/l
RT: 4.08 min Scan# 347
Delta R.T. -0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

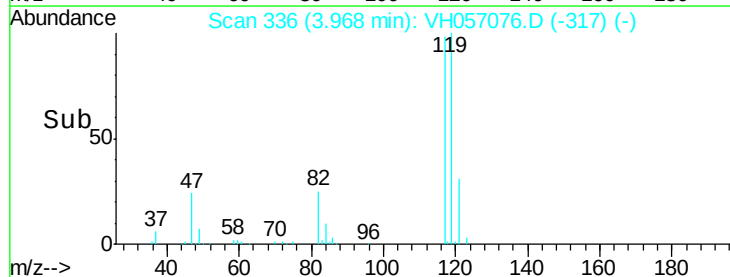
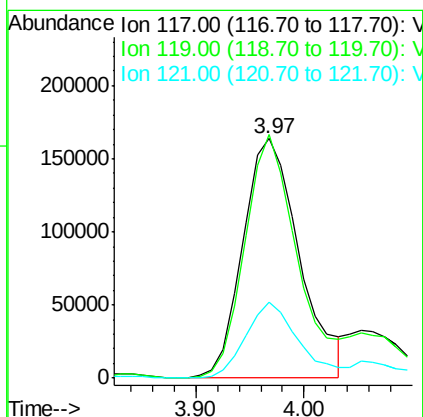
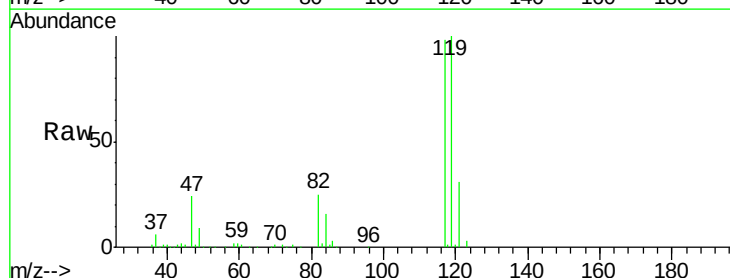
Instrument :
MSVOA_H
ClientSampled :
BFB

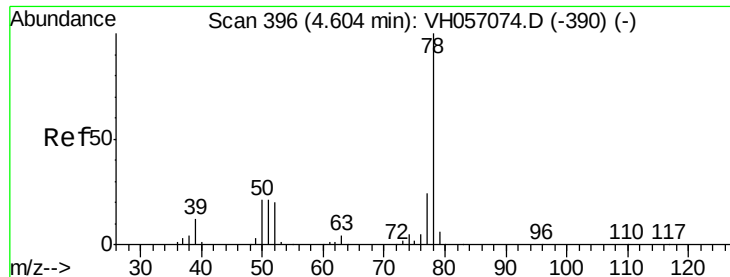
Tgt Ion: 43 Resp: 1439149
Ion Ratio Lower Upper
43 100
61 32.6 23.9 35.9
70 6.5 5.4 8.0



#38
Carbon Tetrachloride
Concen: 51.47 ug/l
RT: 3.97 min Scan# 336
Delta R.T. -0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

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





#39

Benzene

Concen: 51.50 ug/l

RT: 4.60 min Scan# 396

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

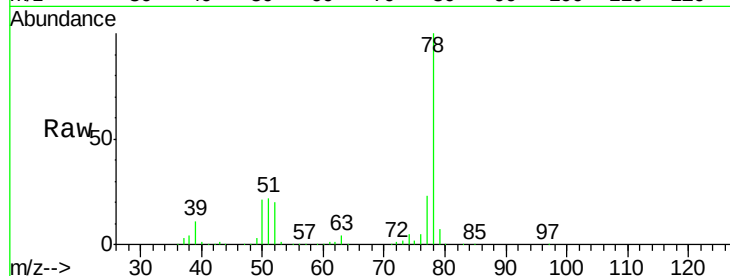
BFB

Tgt Ion: 78 Resp: 1808773

Ion Ratio Lower Upper

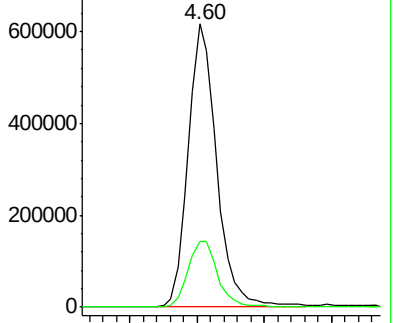
78 100

77 23.3 18.5 27.7

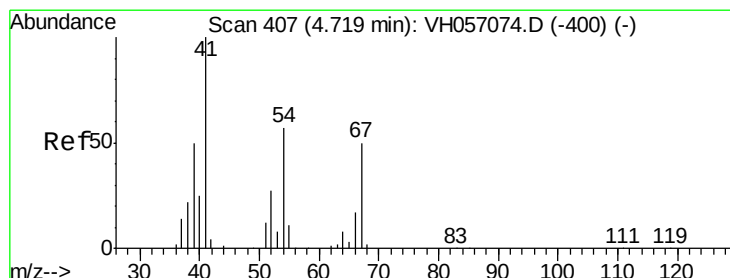
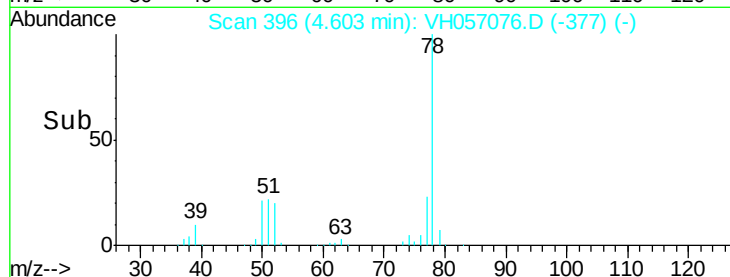


Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0



Time-->



#40

Methacrylonitrile

Concen: 51.93 ug/l

RT: 4.71 min Scan# 406

Delta R.T. -0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Tgt Ion: 41 Resp: 636361

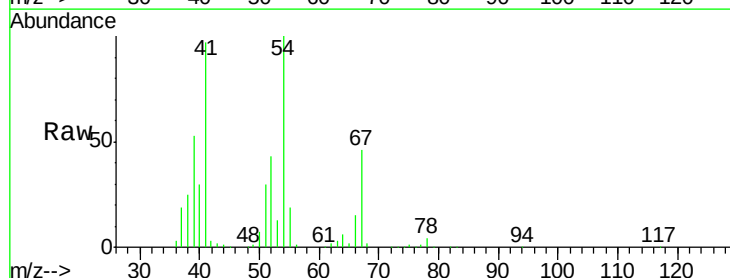
Ion Ratio Lower Upper

41 100

39 54.9 25.1 75.2

67 46.8 22.5 67.5

52 44.3 19.0 57.0

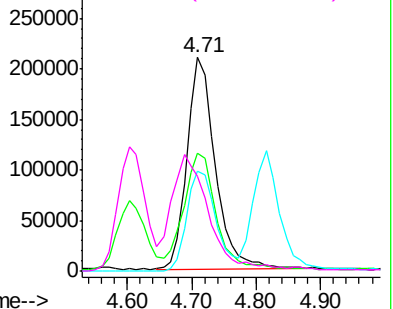


Abundance Ion 41.00 (40.70 to 41.70): VH0

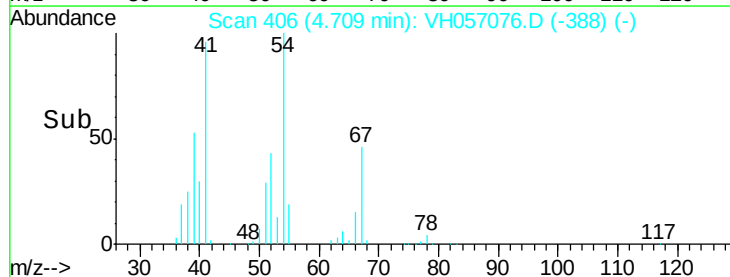
Ion 39.00 (38.70 to 39.70): VH0

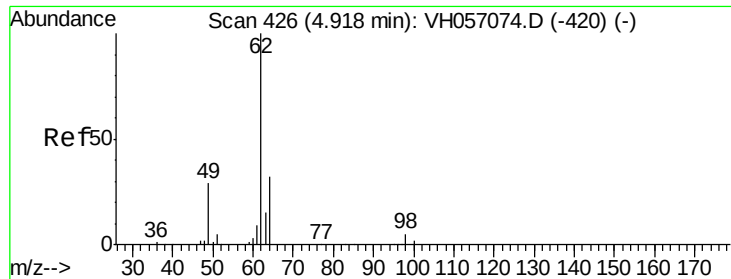
Ion 67.00 (66.70 to 67.70): VH0

Ion 52.00 (51.70 to 52.70): VH0



Time-->

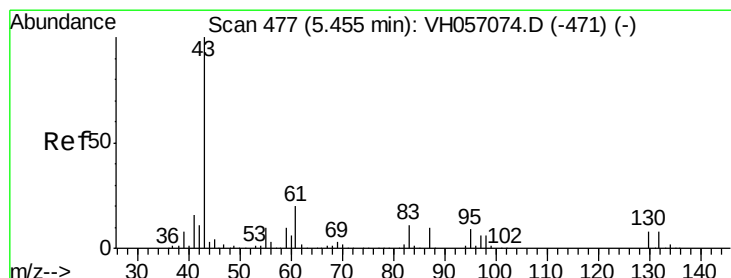
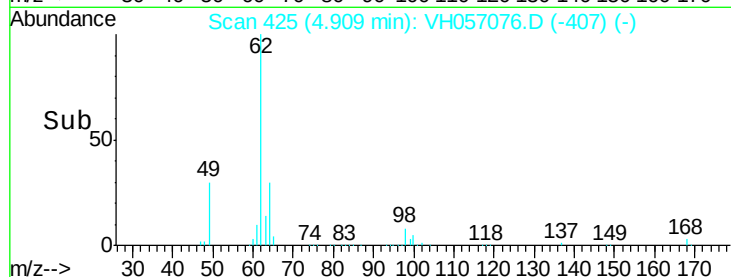
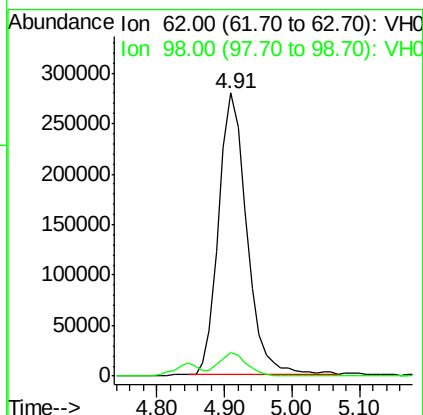
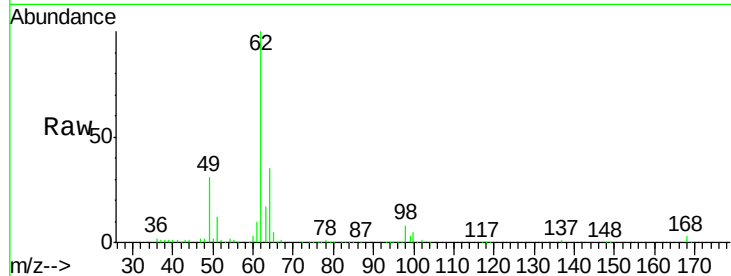




#41
 1,2-Dichloroethane
 Concen: 51.36 ug/l
 RT: 4.91 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

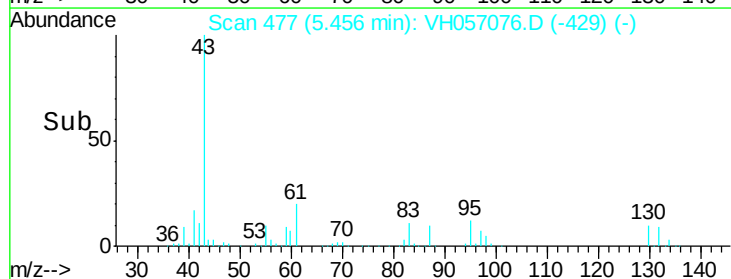
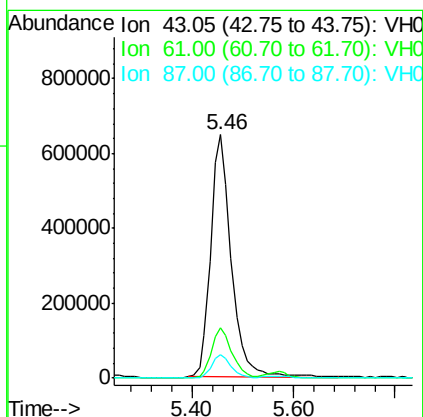
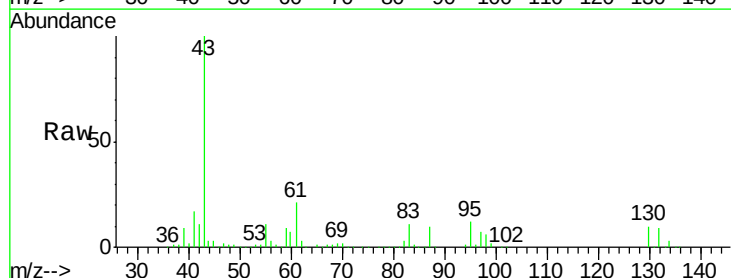
Instrument :
 MSVOA_H
 ClientSampleId :
 BFB

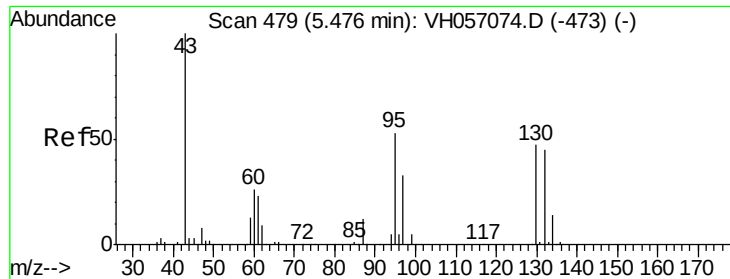
Tgt Ion: 62 Resp: 796162
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.3 10.9



#42
 Isopropyl Acetate
 Concen: 50.59 ug/l
 RT: 5.46 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

Tgt Ion: 43 Resp: 1828993
 Ion Ratio Lower Upper
 43 100
 61 20.9 15.8 23.6
 87 9.6 7.0 10.6





#43

Trichloroethene

Concen: 53.17 ug/l

RT: 5.48 min Scan# 479

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

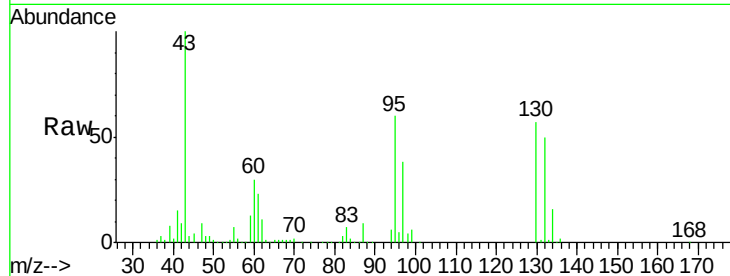
BFB

Tgt Ion:130 Resp: 474516

Ion Ratio Lower Upper

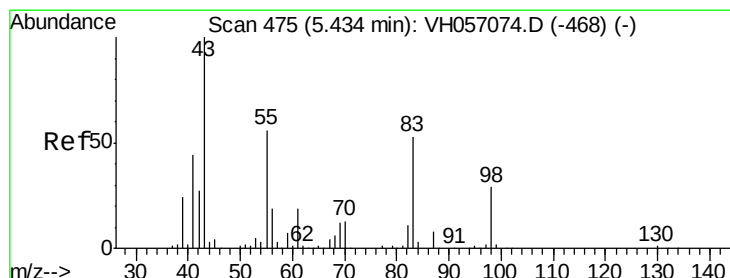
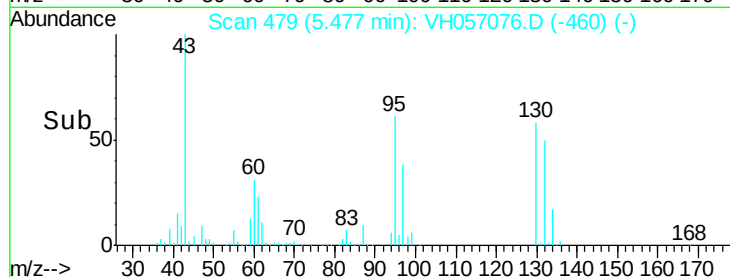
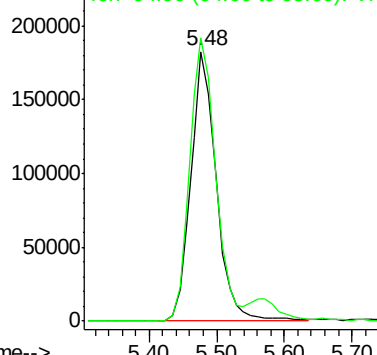
130 100

95 105.0 84.0 126.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VH0



#44

Methylcyclohexane

Concen: 51.99 ug/l

RT: 5.43 min Scan# 475

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

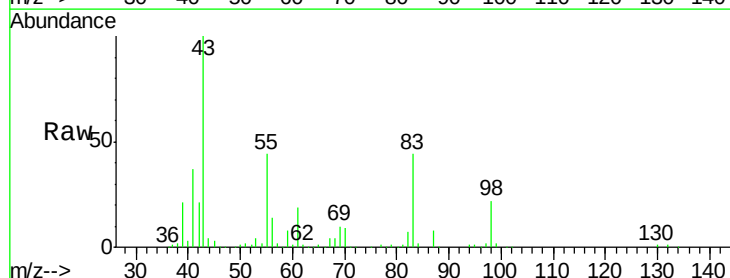
Tgt Ion: 83 Resp: 441952

Ion Ratio Lower Upper

83 100

55 99.2 0.0 207.2

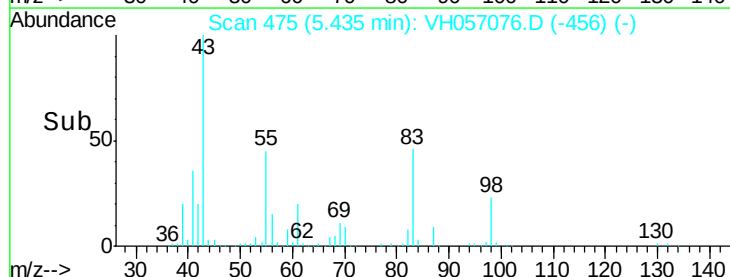
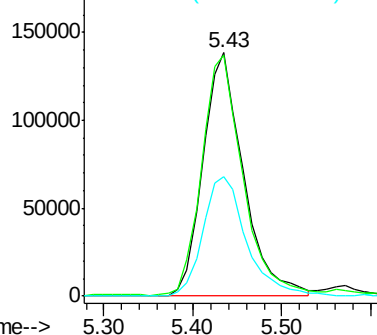
98 49.1 0.0 108.4

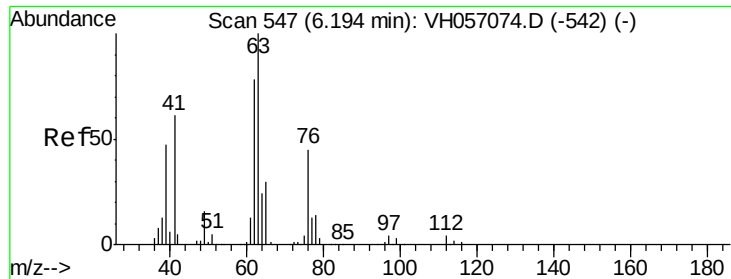


Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

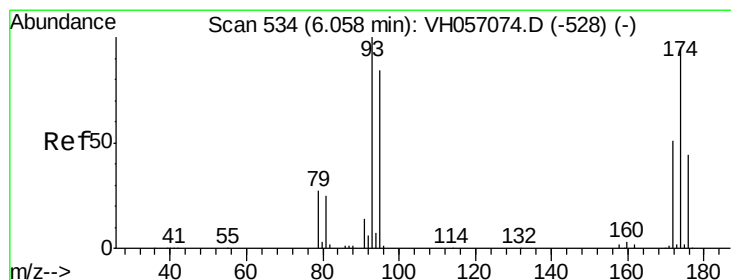
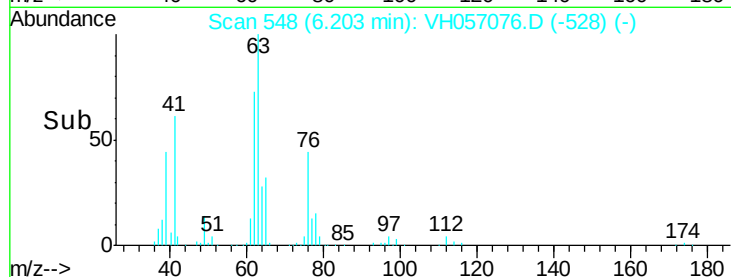
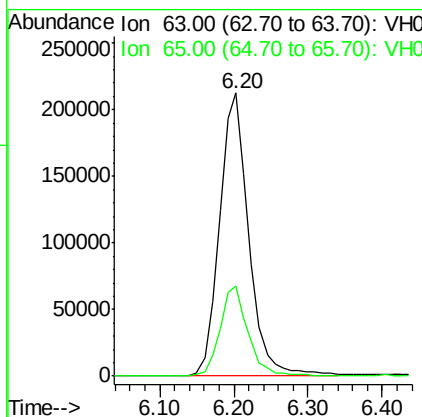
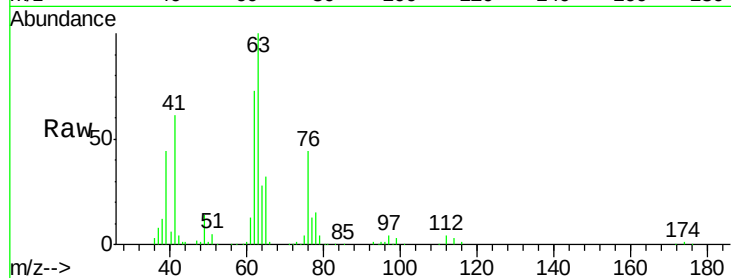




#45
 1,2-Dichloropropane
 Concen: 52.08 ug/l
 RT: 6.20 min Scan# 548
 Delta R.T. 0.01 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

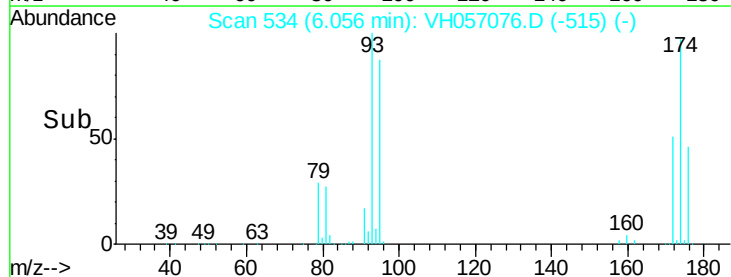
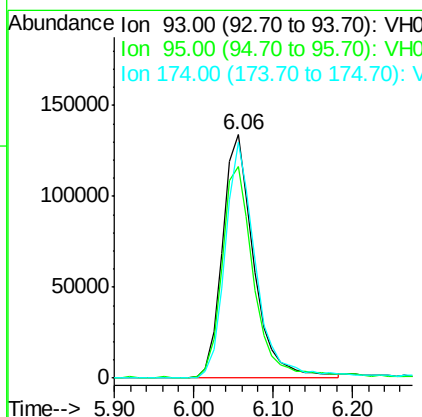
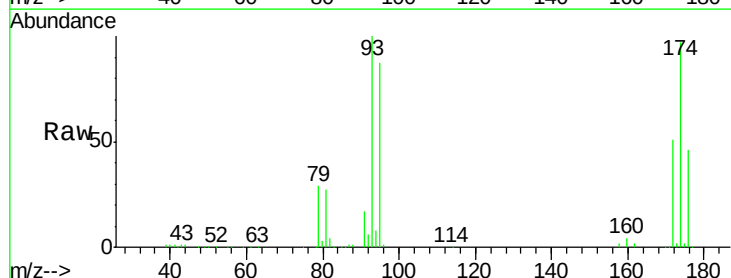
Instrument :
 MSVOA_H
 ClientSampled :
 BFB

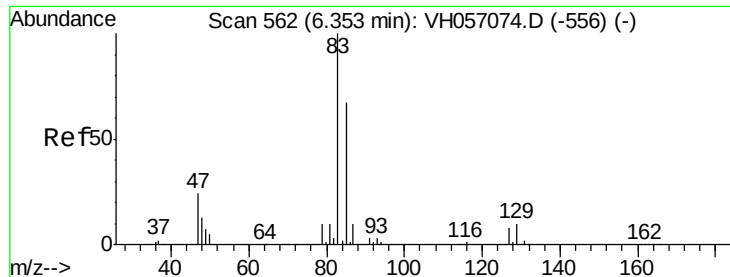
Tgt Ion: 63 Resp: 579893
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.8 35.8



#46
 Dibromomethane
 Concen: 50.93 ug/l
 RT: 6.06 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

Tgt Ion: 93 Resp: 368794
 Ion Ratio Lower Upper
 93 100
 95 87.1 69.5 104.3
 174 96.8 75.8 113.6





#47

Bromodichloromethane

Concen: 52.67 ug/l

RT: 6.35 min Scan# 562

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

BFB

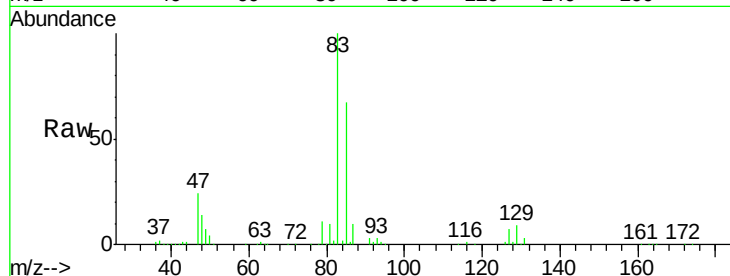
Tgt Ion: 83 Resp: 781199

Ion Ratio Lower Upper

83 100

85 66.8 52.6 78.8

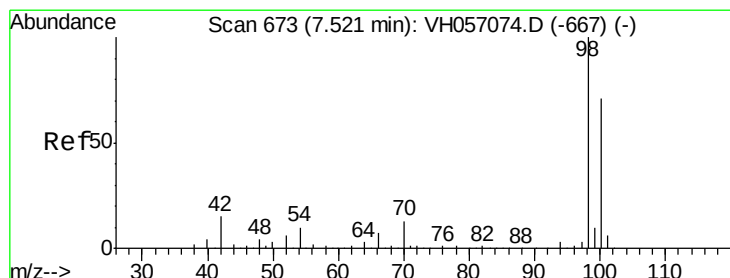
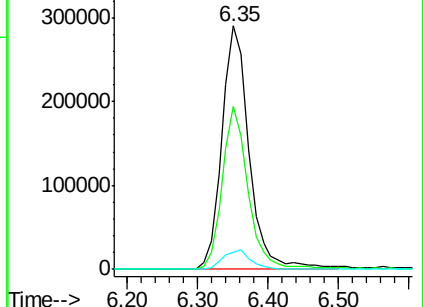
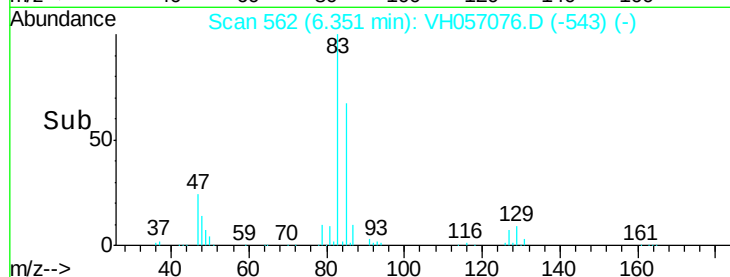
127 7.1 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VH057076.D (-543) (-)

Ion 85.00 (84.70 to 85.70): VH057076.D (-543) (-)

Ion 127.00 (126.70 to 127.70): VH057076.D (-543) (-)



#48

Toluene-d8

Concen: 49.89 ug/l

RT: 7.51 min Scan# 672

Delta R.T. -0.01 min

Lab File: VH057076.D

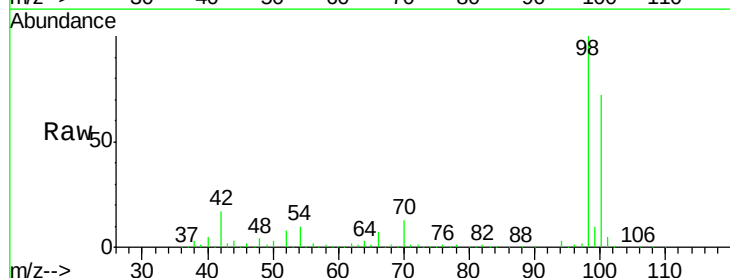
Acq: 17 Sep 2015 21:18

Tgt Ion: 98 Resp: 1533179

Ion Ratio Lower Upper

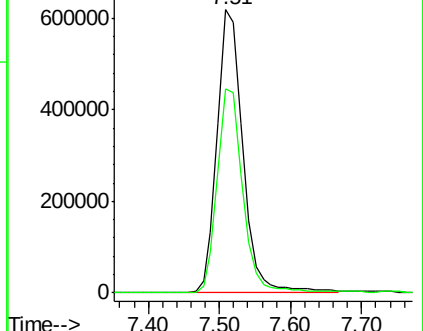
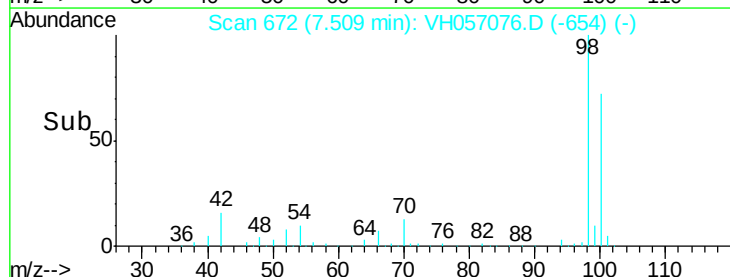
98 100

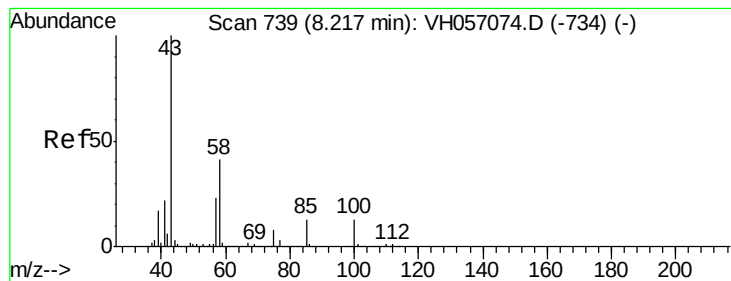
100 72.0 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VH057076.D (-654) (-)

Ion 100.00 (99.70 to 100.70): VH057076.D (-654) (-)





#49

4-Methyl-2-Pentanone

Concen: 254.87 ug/l

RT: 8.21 min Scan# 739

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

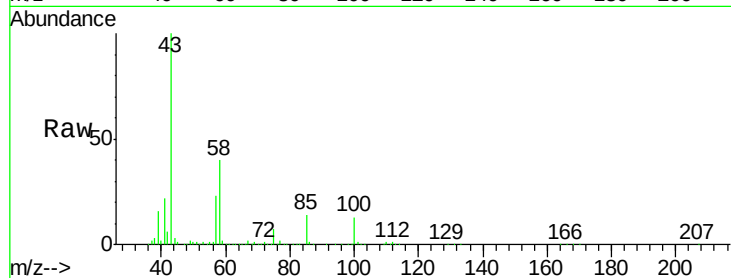
BFB

Tgt Ion: 43 Resp: 5581692

Ion Ratio Lower Upper

43 100

58 39.7 20.0 60.0



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0

8.21

2500000

2000000

1500000

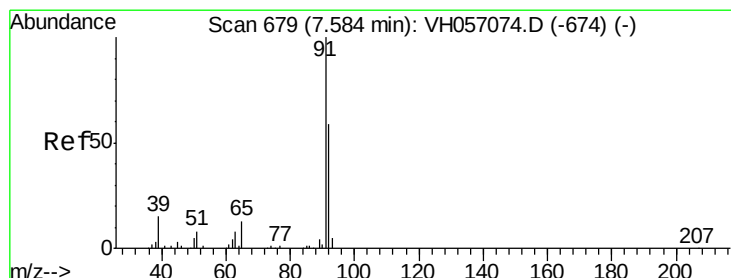
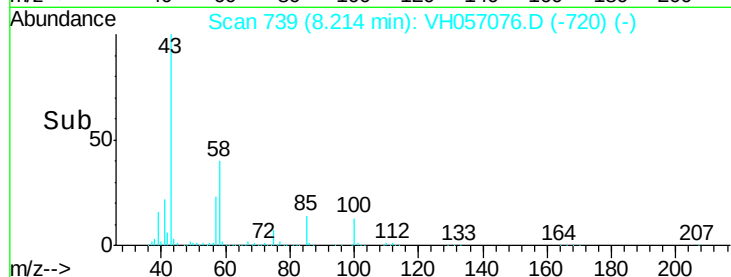
1000000

500000

0

Time-->

8.10 8.20 8.30 8.40



#50

Toluene

Concen: 52.06 ug/l

RT: 7.58 min Scan# 679

Delta R.T. -0.00 min

Lab File: VH057076.D

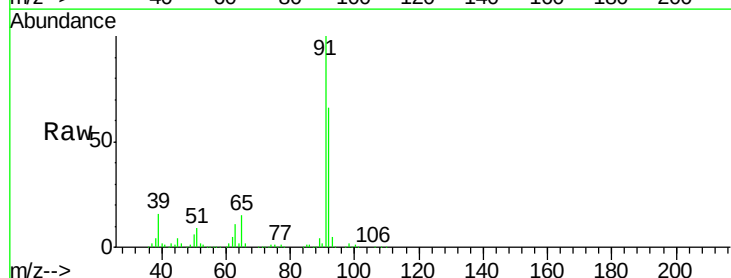
Acq: 17 Sep 2015 21:18

Tgt Ion: 92 Resp: 1170869

Ion Ratio Lower Upper

92 100

91 150.5 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH0

Ion 91.00 (90.70 to 91.70): VH0

7.58

800000

600000

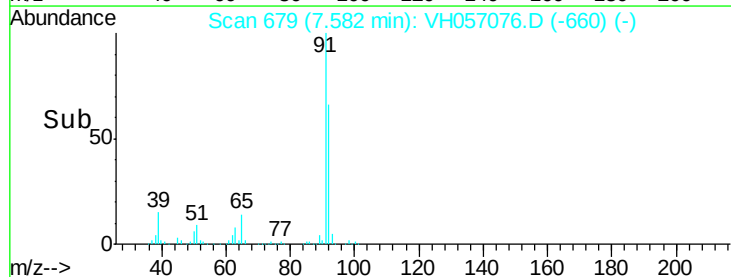
400000

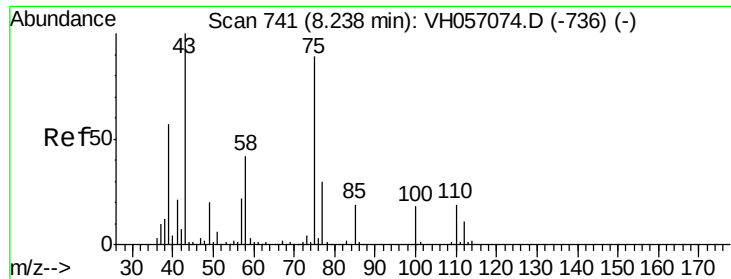
200000

0

Time-->

7.50 7.55 7.60 7.65





#51

t-1,3-Dichloropropene

Concen: 53.90 ug/l

RT: 8.24 min Scan# 741

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

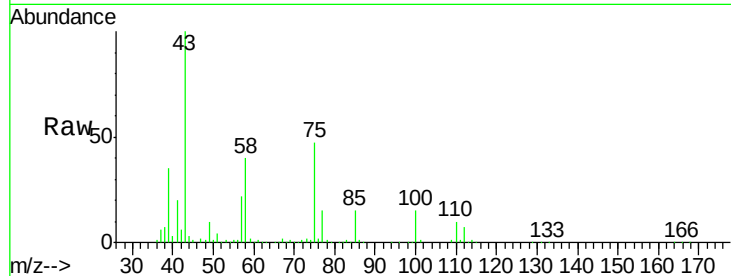
BFB

Tgt Ion: 75 Resp: 916639

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0

8.24

400000

300000

200000

100000

0

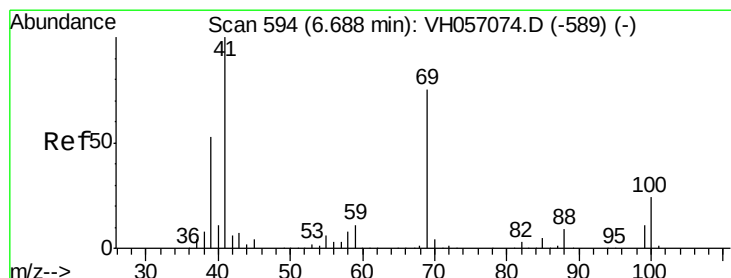
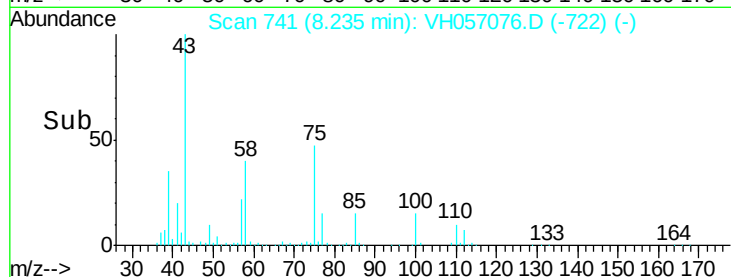
Time-->

8.10

8.20

8.30

8.40



#52

Methyl Methacrylate

Concen: 53.66 ug/l

RT: 6.69 min Scan# 594

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

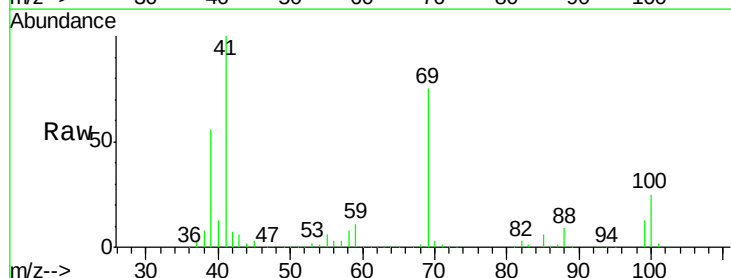
Tgt Ion: 69 Resp: 591309

Ion Ratio Lower Upper

69 100

41 133.6 70.0 209.8

39 74.2 37.5 112.5



Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0

400000

300000

200000

100000

0

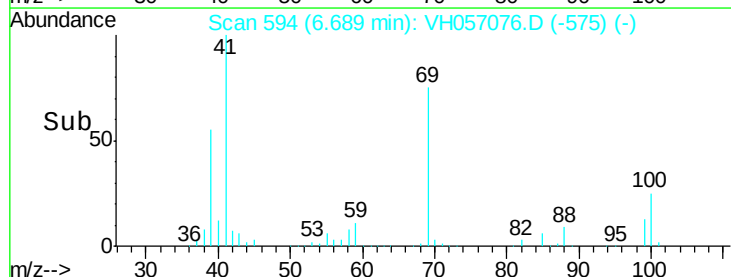
Time-->

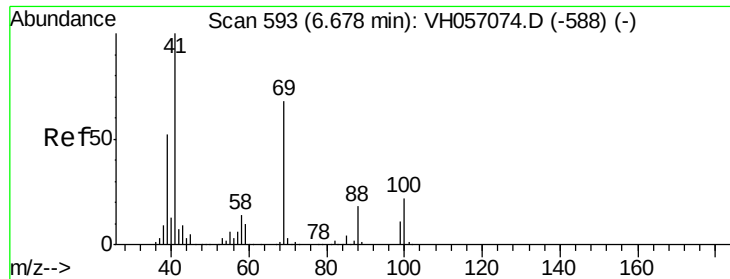
6.60

6.70

6.80

6.90





#53

1,4-Dioxane

Concen: 1115.43 ug/l

RT: 6.67 min Scan# 592

Delta R.T. -0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

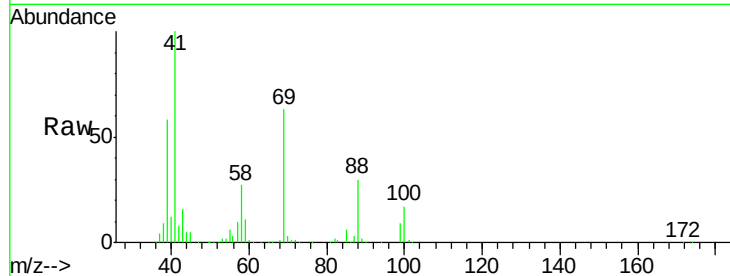
Tgt Ion: 88 Resp: 144162

Ion Ratio Lower Upper

88 100

43 53.6 39.6 59.4

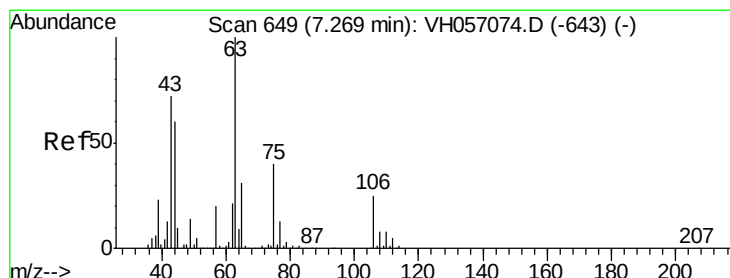
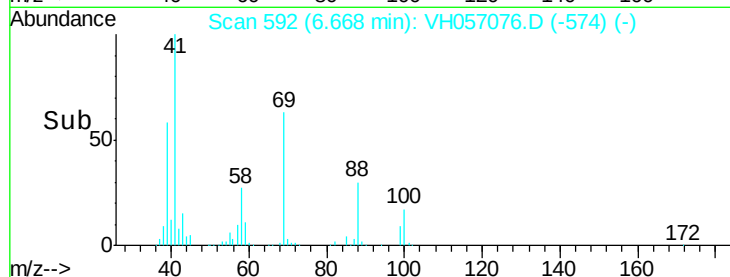
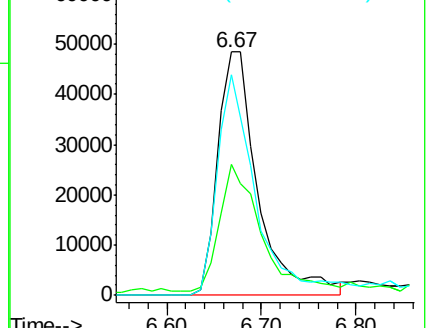
58 90.7 61.4 92.2



Abundance Ion 88.00 (87.70 to 88.70): VH0

Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#54

cis-1,3-Dichloropropene

Concen: 52.31 ug/l

RT: 7.27 min Scan# 649

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

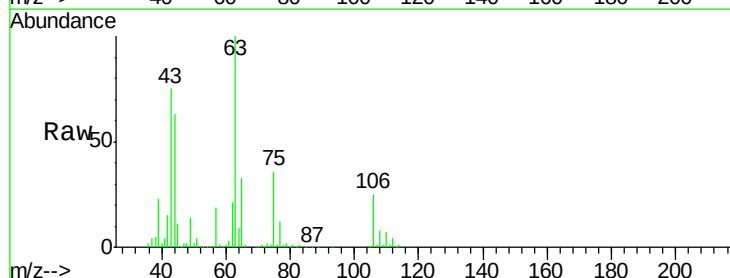
Tgt Ion: 75 Resp: 944642

Ion Ratio Lower Upper

75 100

77 34.7 25.2 37.8

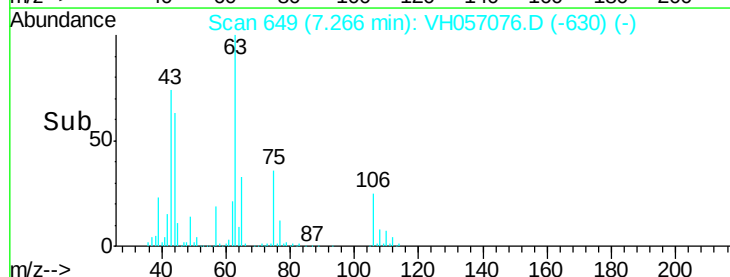
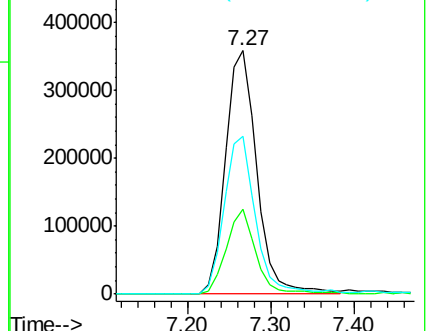
39 64.6 50.7 76.1

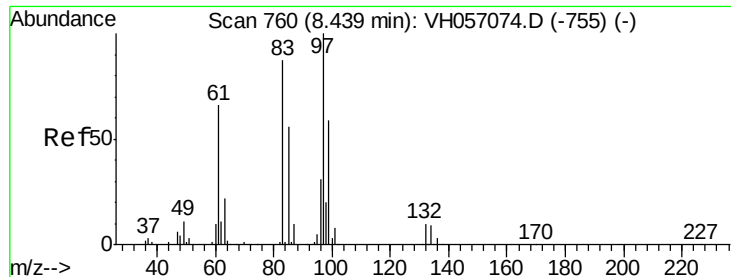


Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





#55

1,1,2-Trichloroethane

Concen: 52.16 ug/l

RT: 8.44 min Scan# 761

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

Tgt Ion: 97 Resp: 497928

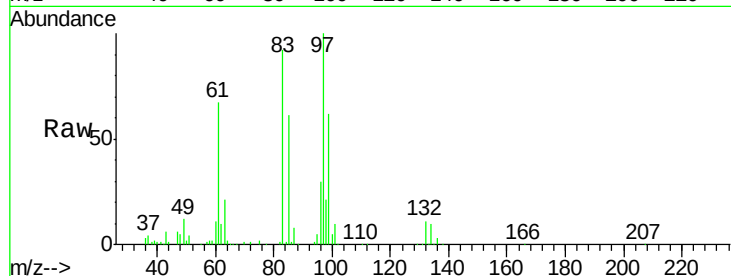
Ion Ratio Lower Upper

97 100

83 91.9 72.7 109.1

85 60.7 45.5 68.3

99 62.2 46.2 69.2

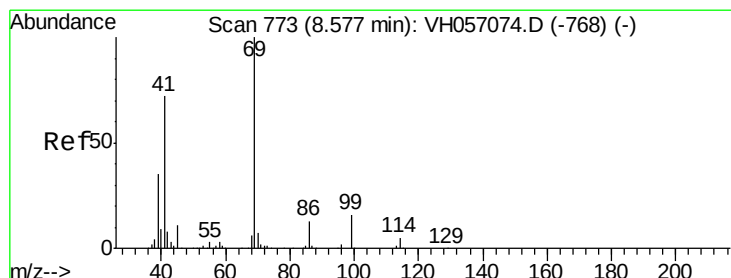
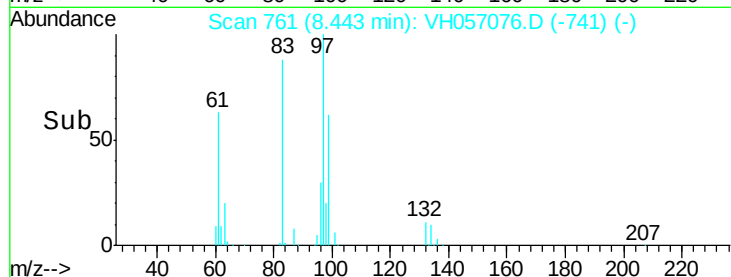
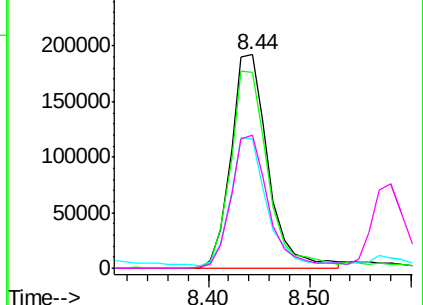


Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 82.95 (82.65 to 83.65): VH0

Ion 84.95 (84.65 to 85.65): VH0

Ion 98.95 (98.65 to 99.65): VH0



#56

Ethyl Methacrylate

Concen: 54.04 ug/l

RT: 8.58 min Scan# 774

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

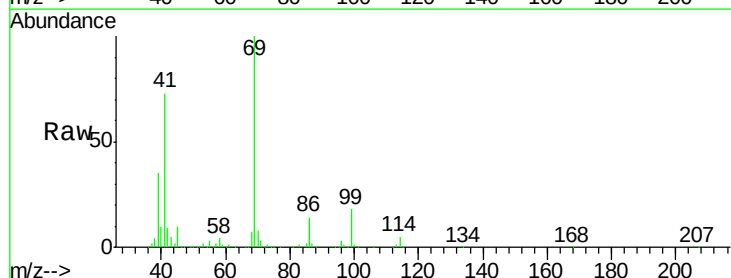
Tgt Ion: 69 Resp: 1018895

Ion Ratio Lower Upper

69 100

41 73.2 39.1 117.3

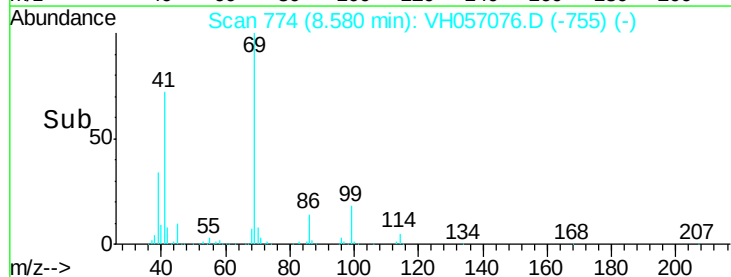
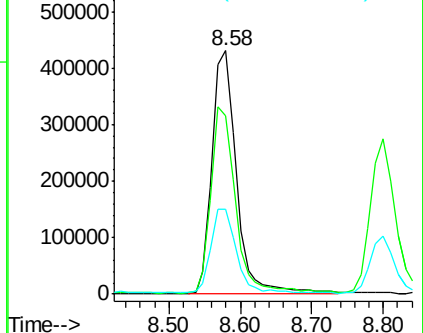
39 35.0 19.2 57.6

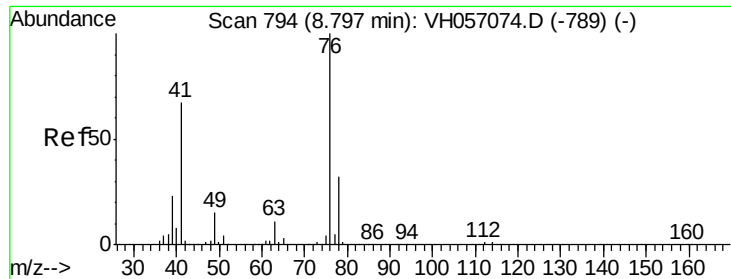


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





#57

1,3-Dichloropropane

Concen: 55.22 ug/l

RT: 8.80 min Scan# 795

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

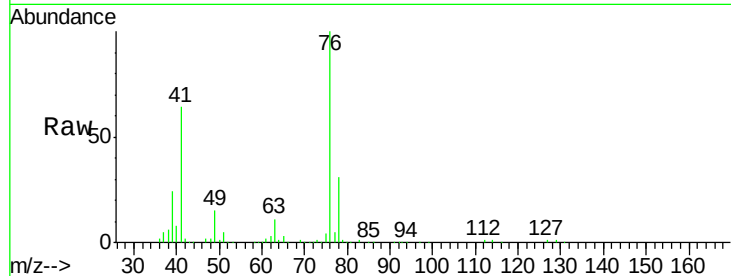
BFB

Tgt Ion: 76 Resp: 1072249

Ion Ratio Lower Upper

76 100

78 30.9 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0

8.80

400000

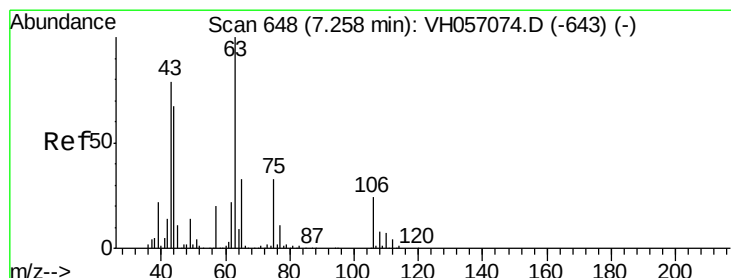
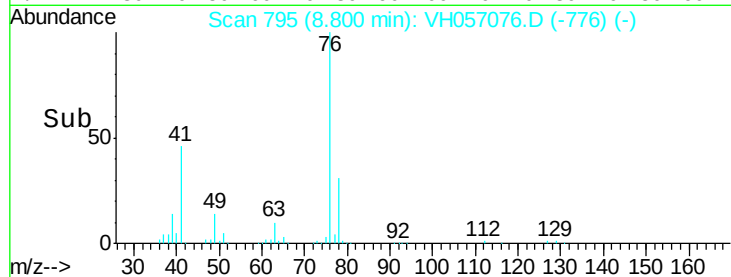
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 320.81 ug/l

RT: 7.26 min Scan# 648

Delta R.T. -0.00 min

Lab File: VH057076.D

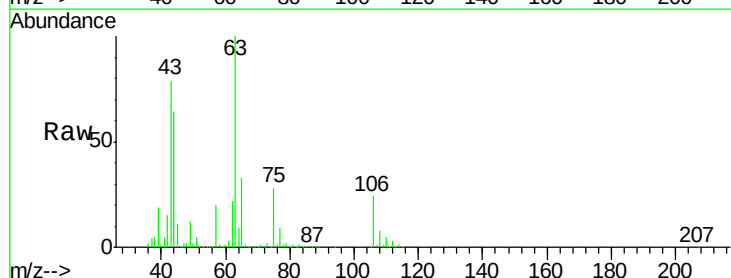
Acq: 17 Sep 2015 21:18

Tgt Ion: 63 Resp: 2990691

Ion Ratio Lower Upper

63 100

106 23.5 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 106.00 (105.70 to 106.70): V

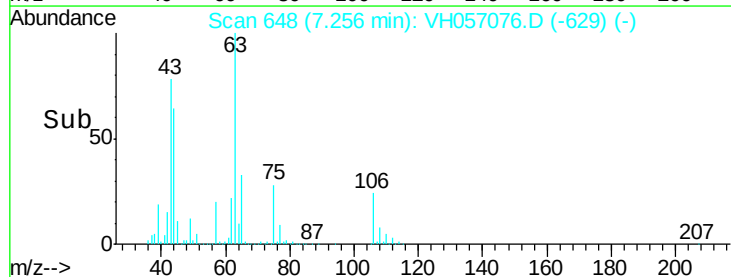
7.26

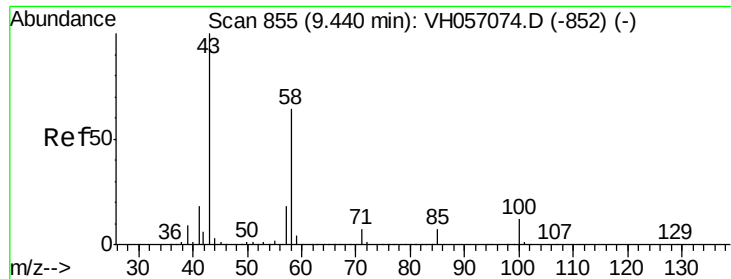
1000000

500000

0

Time-->

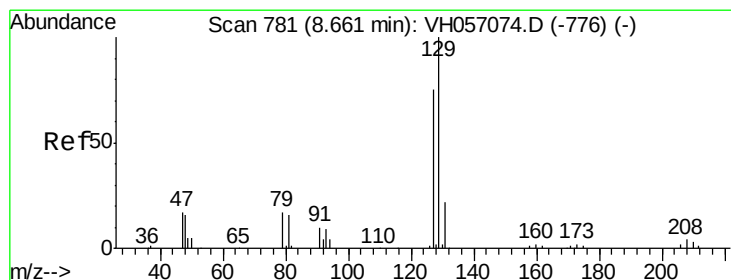
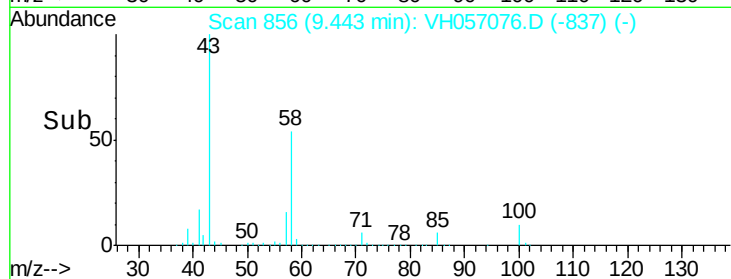
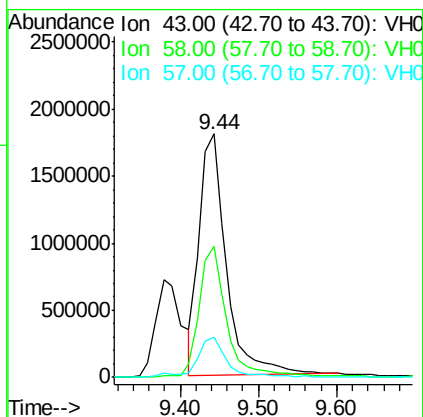
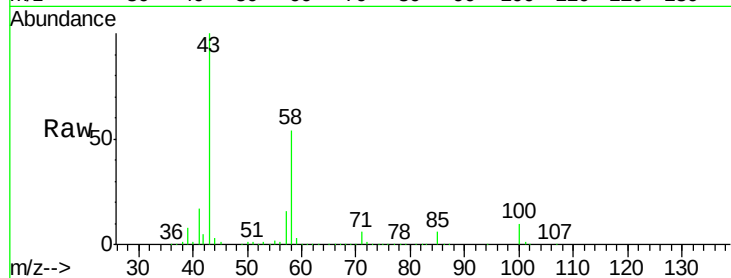




#59
2-Hexanone
Concen: 253.56 ug/l
RT: 9.44 min Scan# 856
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

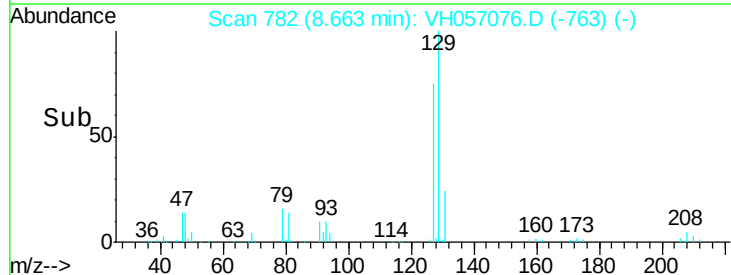
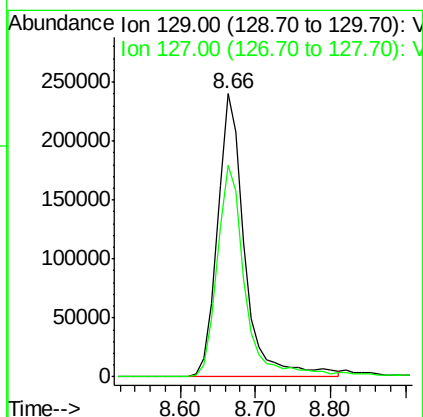
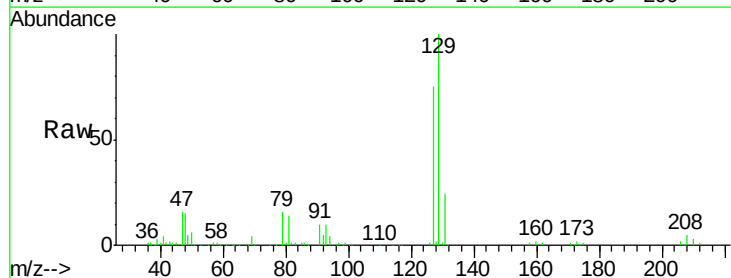
Instrument :
MSVOA_H
ClientSampled :
BFB

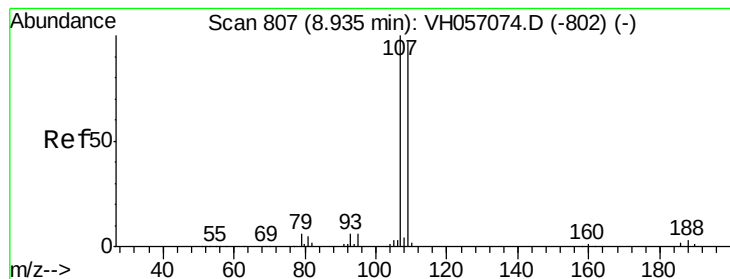
Tgt Ion: 43 Resp: 4338824
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.2
57 16.5 8.1 24.3



#60
Dibromochloromethane
Concen: 55.76 ug/l
RT: 8.66 min Scan# 782
Delta R.T. 0.00 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

Tgt Ion: 129 Resp: 603467
Ion Ratio Lower Upper
129 100
127 74.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 56.84 ug/l

RT: 8.93 min Scan# 807

Delta R.T. -0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

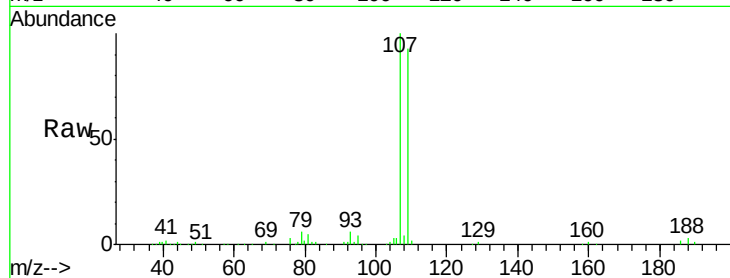
BFB

Tgt Ion: 107 Resp: 624456

Ion Ratio Lower Upper

107 100

109 92.7 77.7 116.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.93

250000

200000

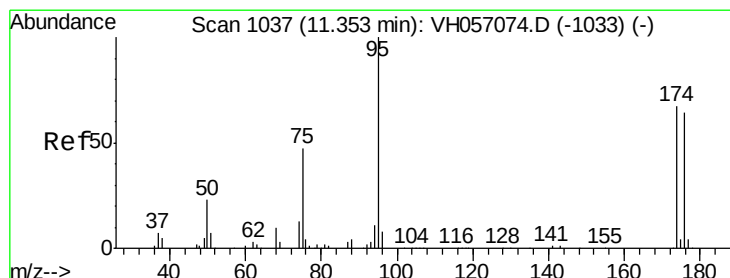
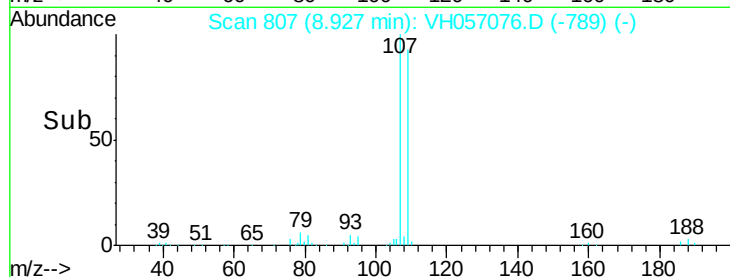
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.25 ug/l

RT: 11.35 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

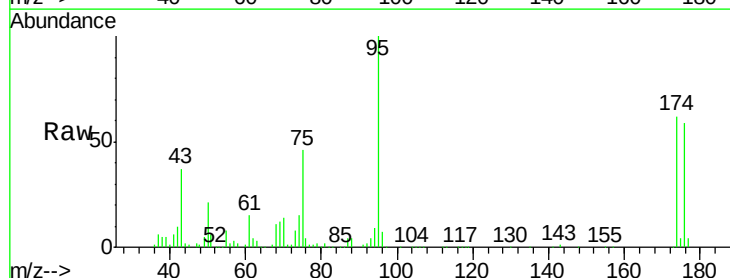
Tgt Ion: 95 Resp: 562261

Ion Ratio Lower Upper

95 100

174 62.2 58.4 87.6

176 59.3 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.35

400000

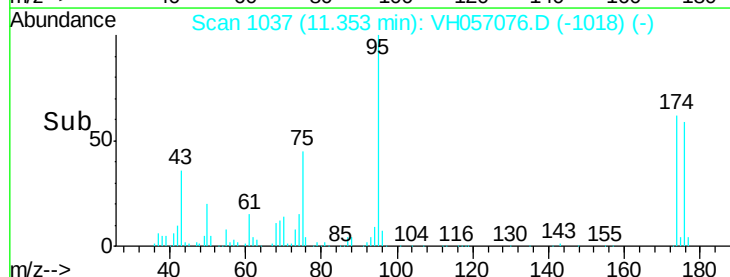
300000

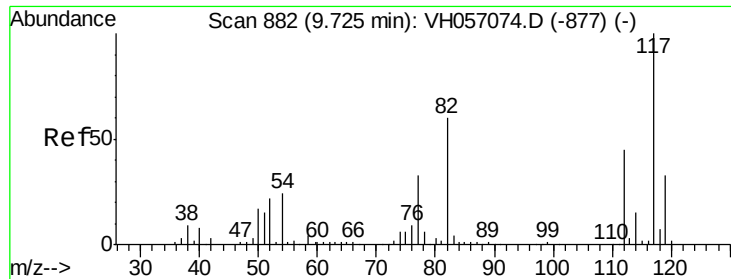
200000

100000

0

Time-->

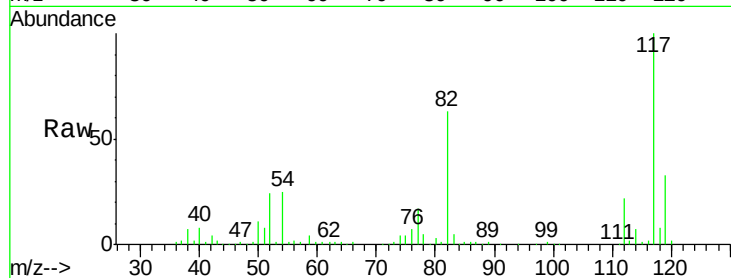




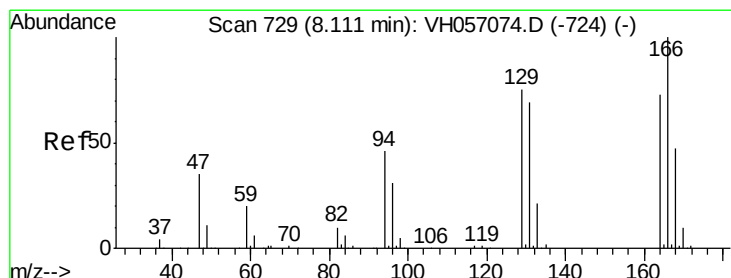
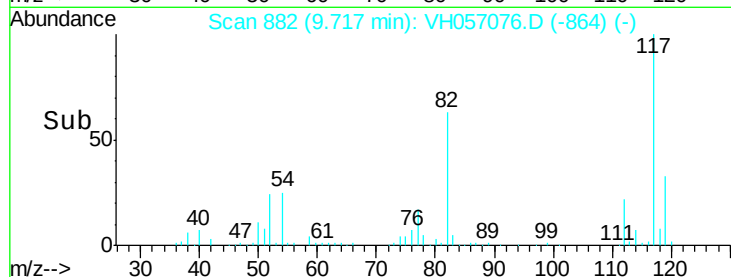
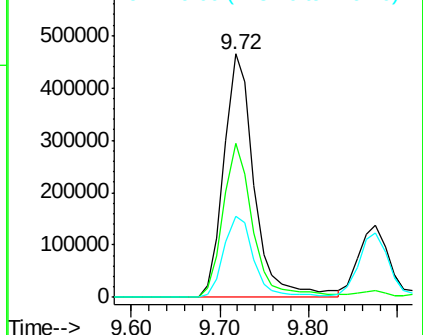
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 882
Delta R.T. -0.01 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

Instrument :
MSVOA_H
ClientSampleId :
BFB

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

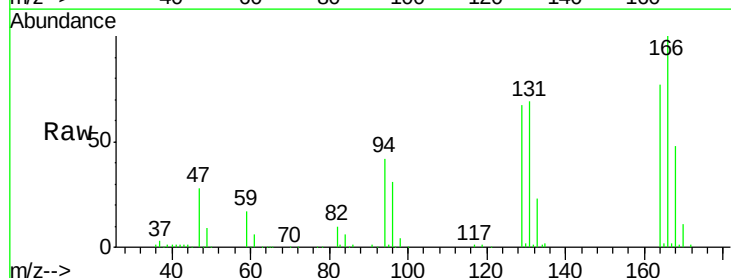


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

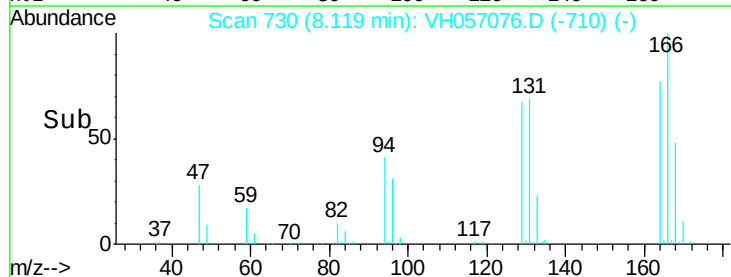
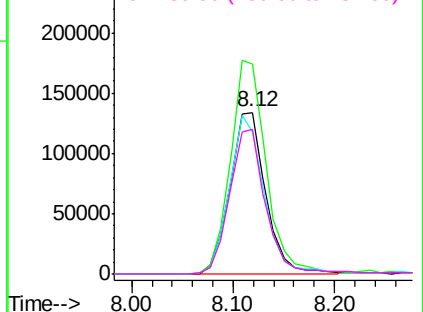


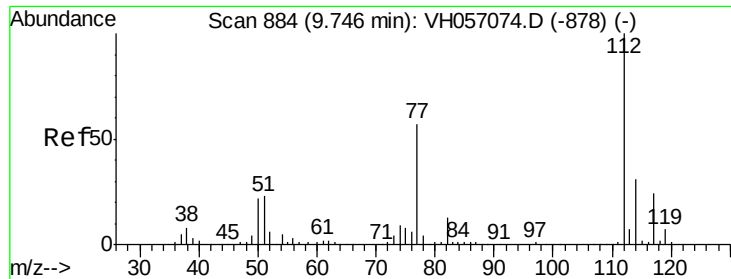
#64
Tetrachloroethene
Concen: 53.22 ug/l
RT: 8.12 min Scan# 730
Delta R.T. 0.01 min
Lab File: VH057076.D
Acq: 17 Sep 2015 21:18

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



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





#65

Chlorobenzene

Concen: 52.28 ug/l

RT: 9.74 min Scan# 884

Delta R.T. -0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

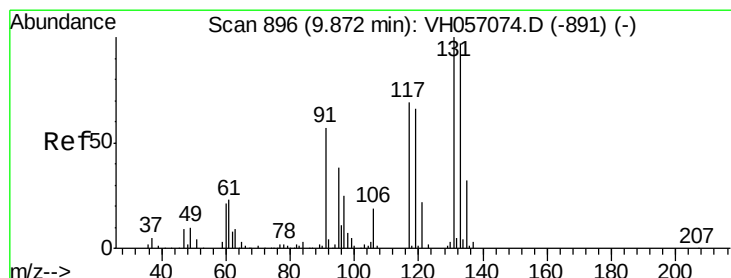
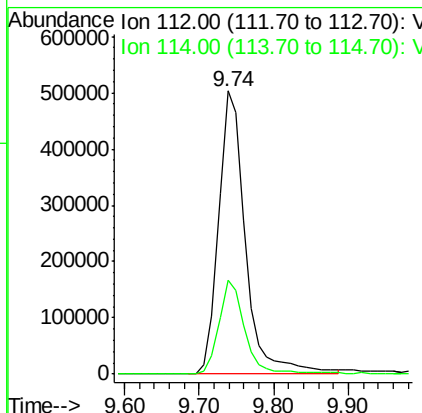
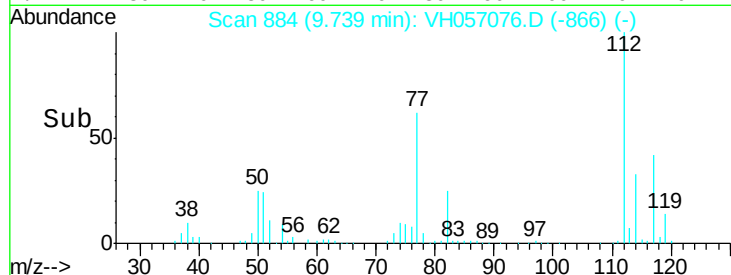
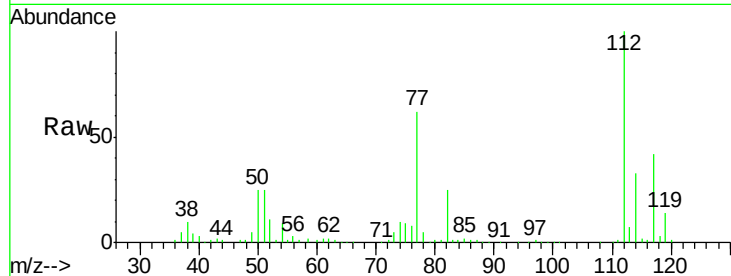
BFB

Tgt Ion:112 Resp: 1265522

Ion Ratio Lower Upper

112 100

114 33.1 26.3 39.5



#66

1,1,1,2-Tetrachloroethane

Concen: 51.84 ug/l

RT: 9.88 min Scan# 897

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

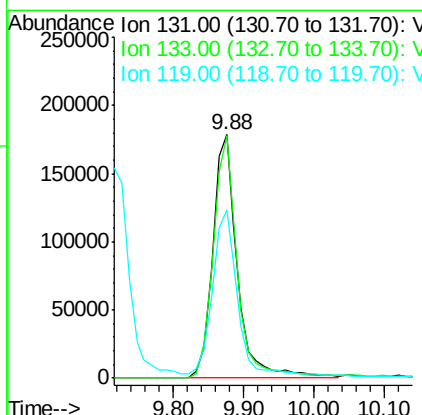
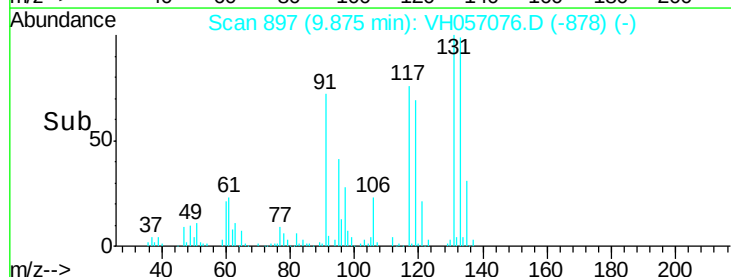
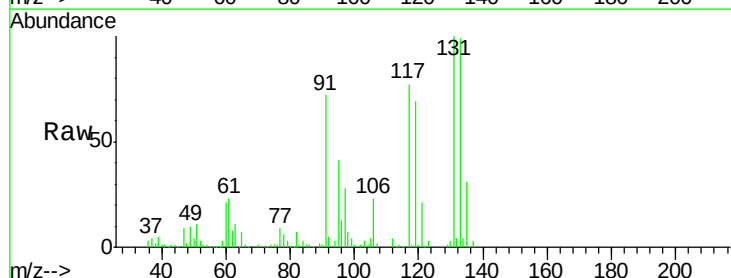
Tgt Ion:131 Resp: 433019

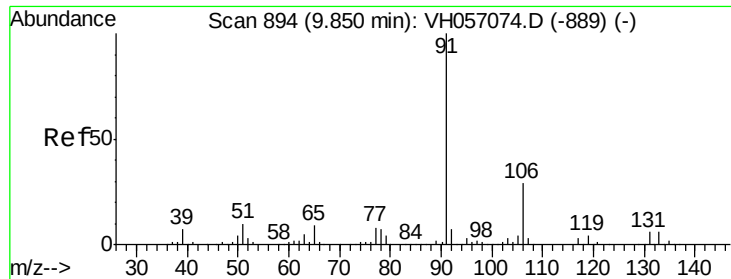
Ion Ratio Lower Upper

131 100

133 99.5 51.1 153.3

119 69.2 36.3 108.9





#67

Ethyl Benzene

Concen: 53.53 ug/l

RT: 9.84 min Scan# 894

Delta R.T. -0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

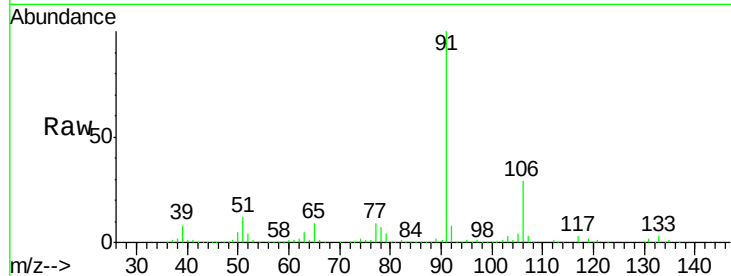
BFB

Tgt Ion:106 Resp: 620290

Ion Ratio Lower Upper

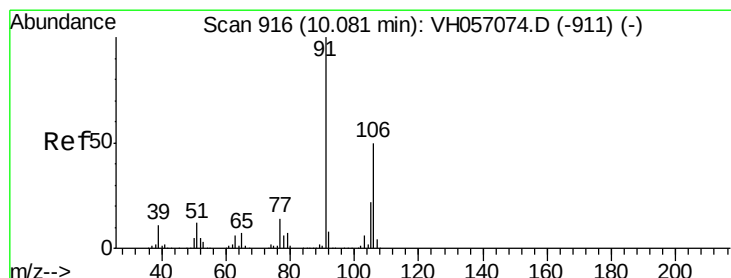
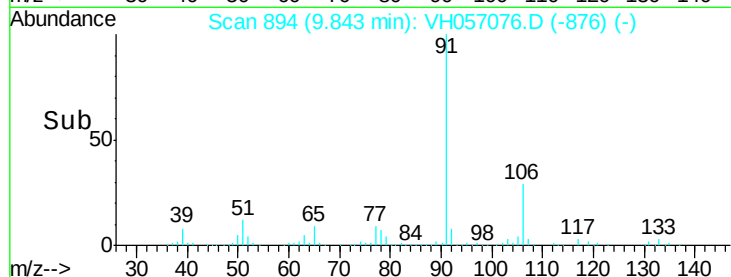
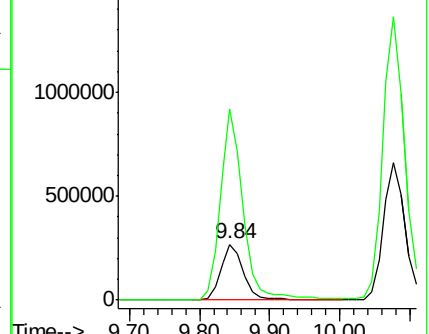
106 100

91 342.1 264.9 397.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0



#68

m/p-Xylenes

Concen: 103.76 ug/l

RT: 10.08 min Scan# 916

Delta R.T. -0.00 min

Lab File: VH057076.D

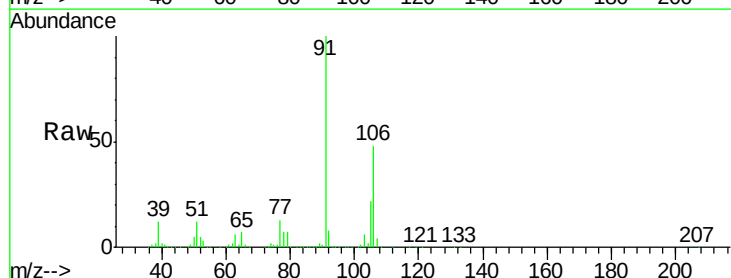
Acq: 17 Sep 2015 21:18

Tgt Ion:106 Resp: 1462568

Ion Ratio Lower Upper

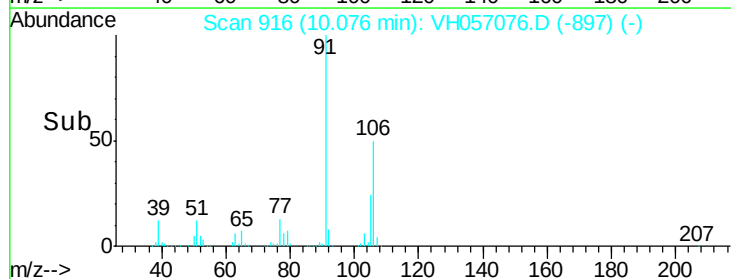
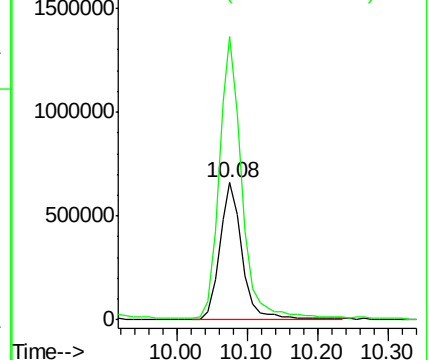
106 100

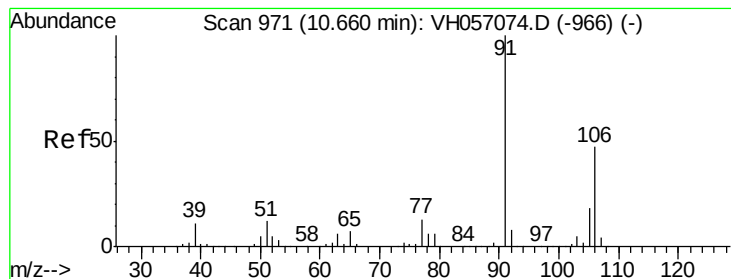
91 206.6 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0





#69

o-Xylene

Concen: 54.11 ug/l

RT: 10.66 min Scan# 971

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

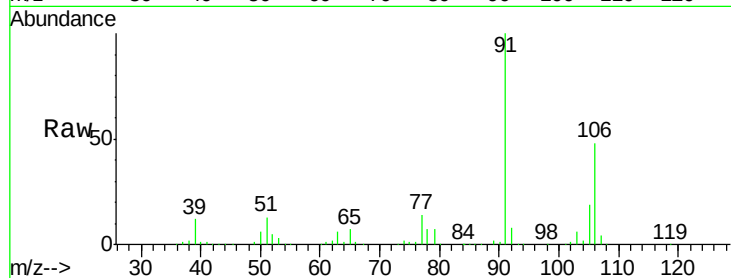
BFB

Tgt Ion:106 Resp: 732300

Ion Ratio Lower Upper

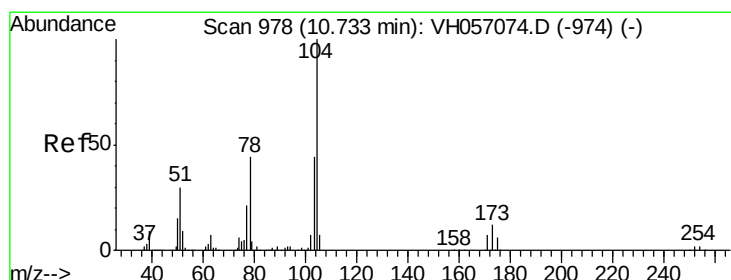
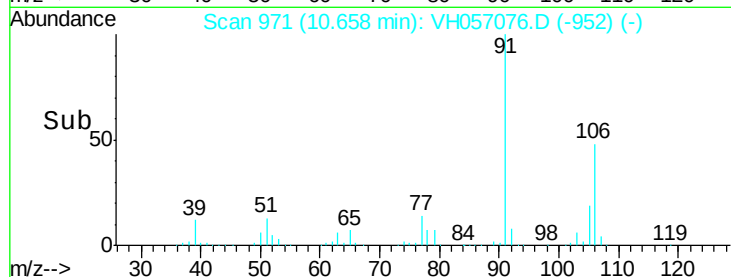
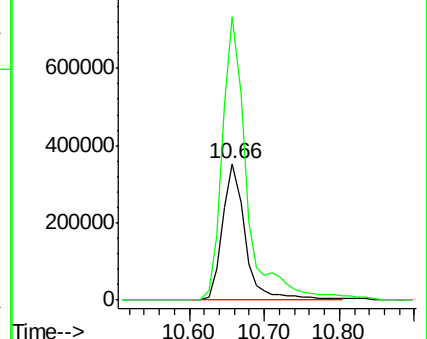
106 100

91 207.2 104.2 312.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0



#70

Styrene

Concen: 51.81 ug/l

RT: 10.73 min Scan# 978

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

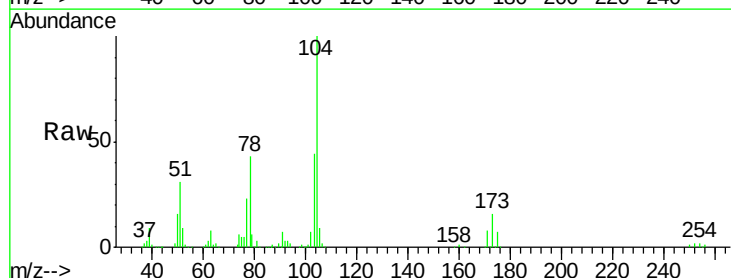
Tgt Ion:104 Resp: 1224806

Ion Ratio Lower Upper

104 100

78 43.3 35.2 52.8

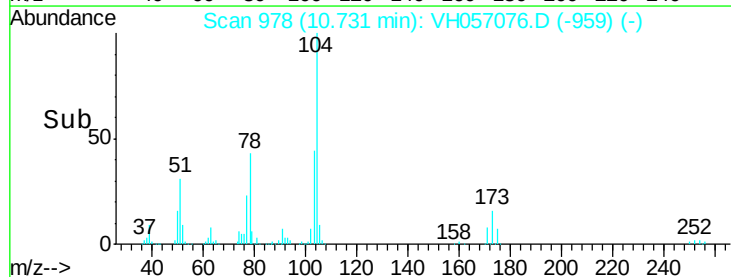
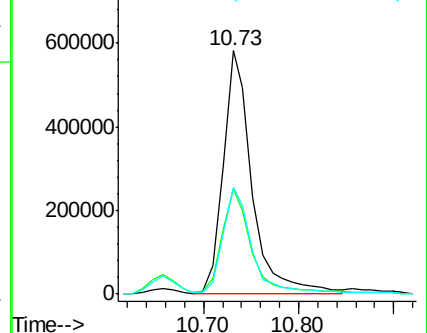
103 44.0 35.8 53.6

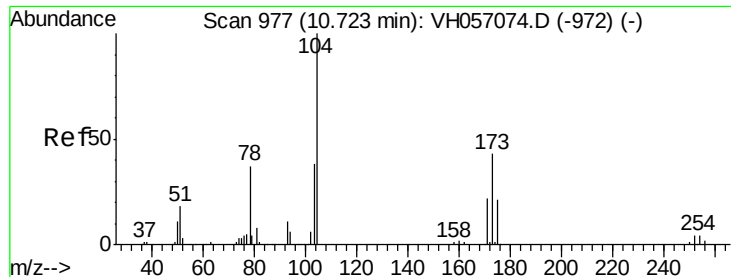


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VH0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.10 ug/l

RT: 10.72 min Scan# 977

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

BFB

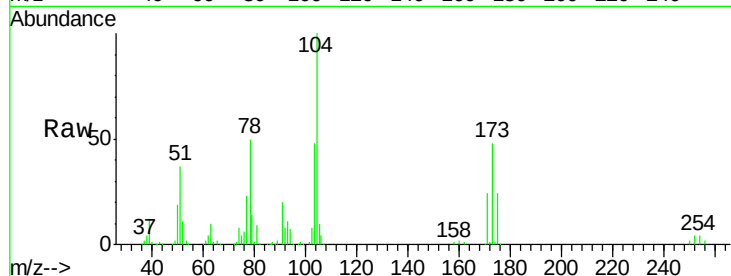
Tgt Ion:173 Resp: 379568

Ion Ratio Lower Upper

173 100

175 49.1 23.3 69.9

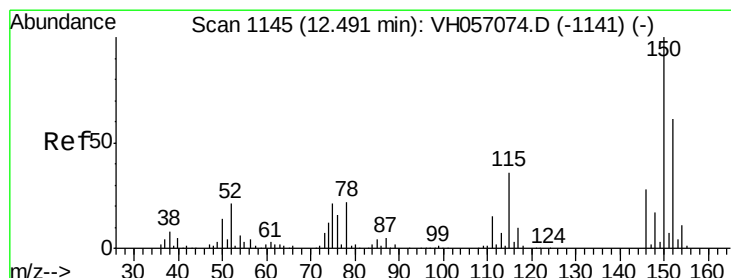
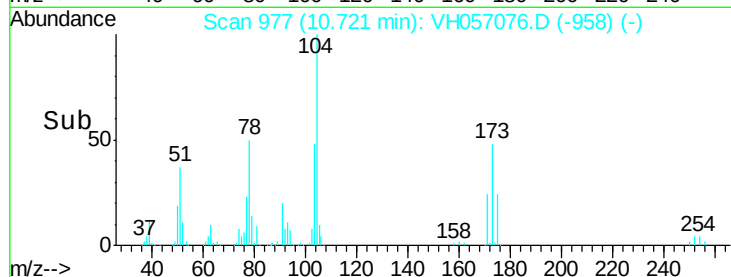
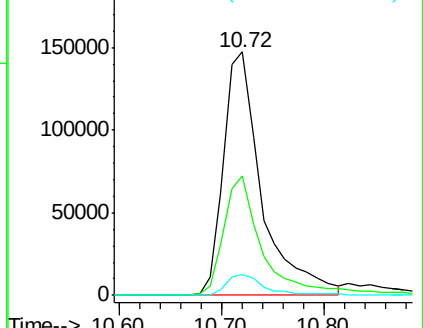
254 8.8 4.4 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

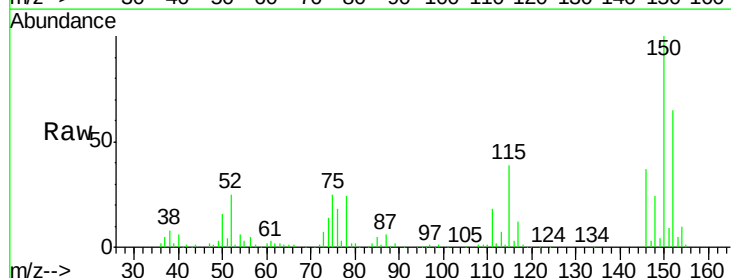
Tgt Ion:152 Resp: 344525

Ion Ratio Lower Upper

152 100

115 59.6 28.2 84.6

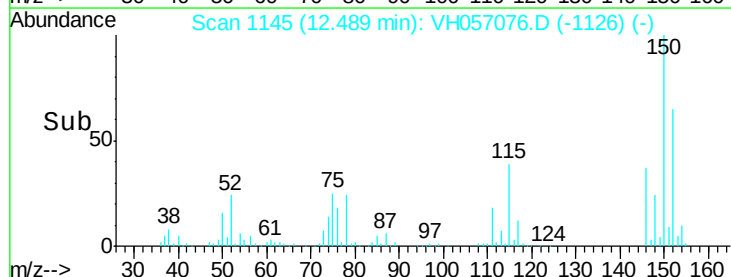
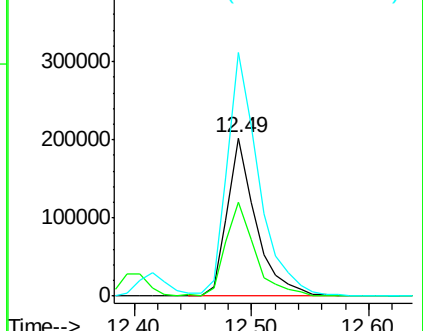
150 153.9 0.0 332.0

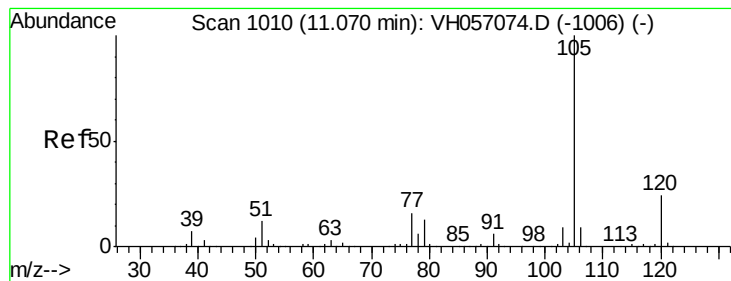


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.18 ug/l

RT: 11.07 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

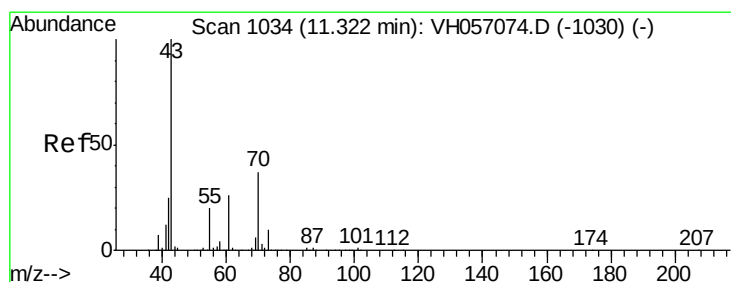
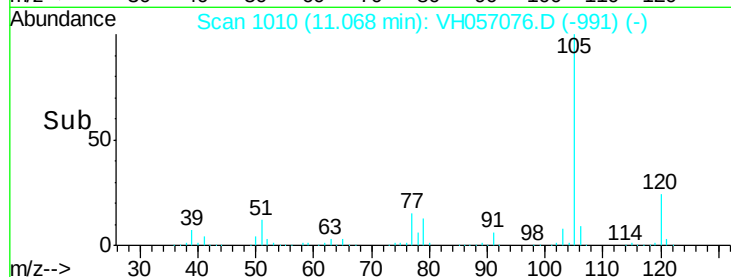
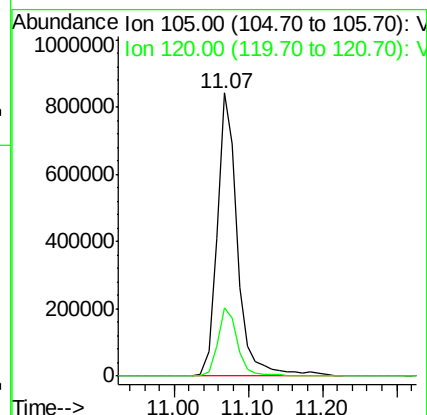
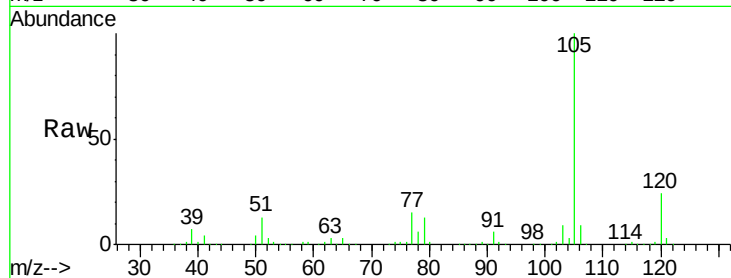
BFB

Tgt Ion: 105 Resp: 1610354

Ion Ratio Lower Upper

105 100

120 24.2 12.2 36.4



#74

n-Amyl Acetate

Concen: 48.45 ug/l

RT: 11.32 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Tgt Ion: 43 Resp: 1619714

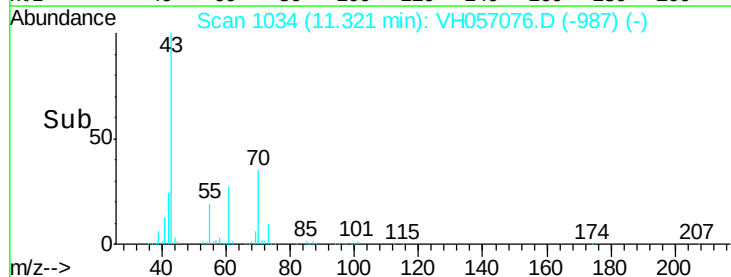
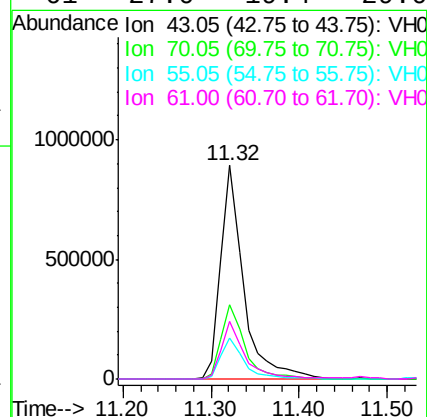
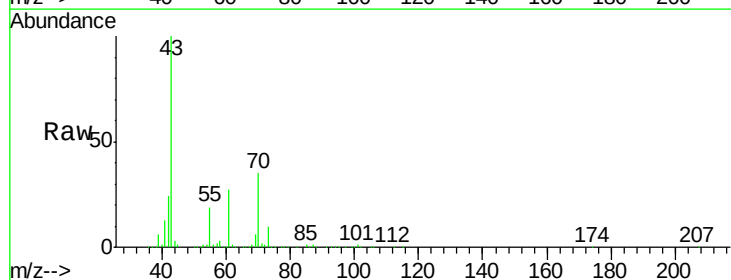
Ion Ratio Lower Upper

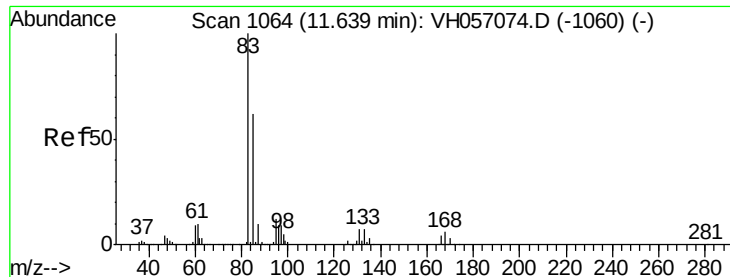
43 100

70 35.1 27.3 40.9

55 19.4 15.3 22.9

61 27.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.13 ug/l

RT: 11.64 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

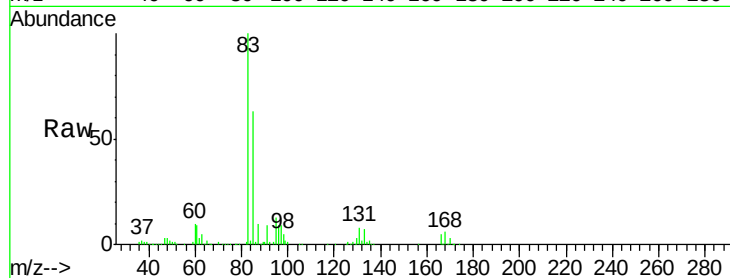
Tgt Ion: 83 Resp: 793972

Ion Ratio Lower Upper

83 100

131 8.3 3.1 9.3

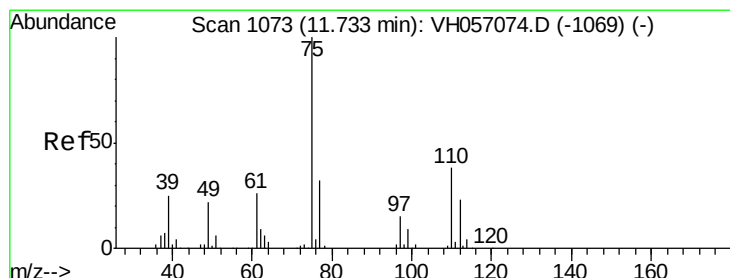
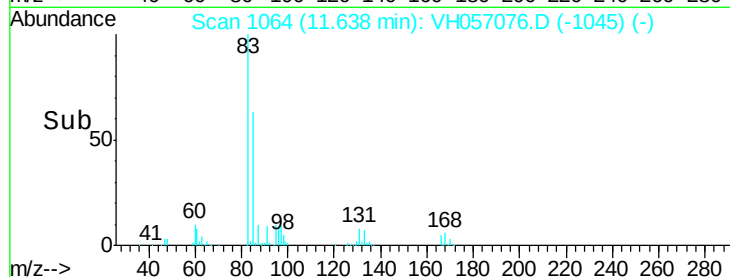
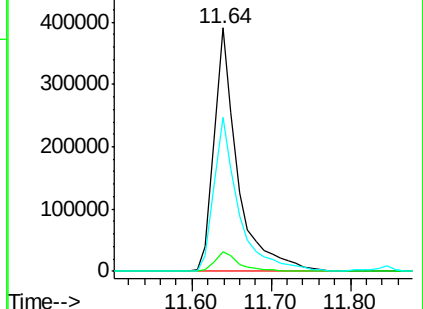
85 63.4 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VH0



#76

1,2,3-Trichloropropane

Concen: 49.74 ug/l

RT: 11.73 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VH057076.D

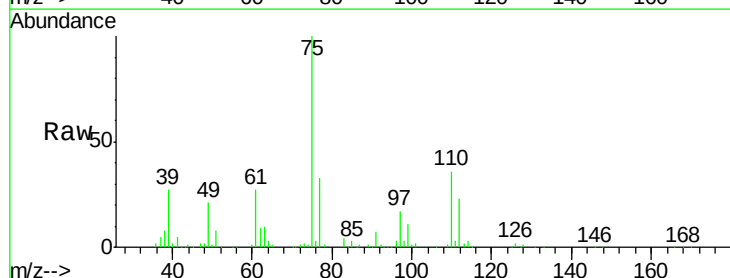
Acq: 17 Sep 2015 21:18

Tgt Ion: 75 Resp: 643779

Ion Ratio Lower Upper

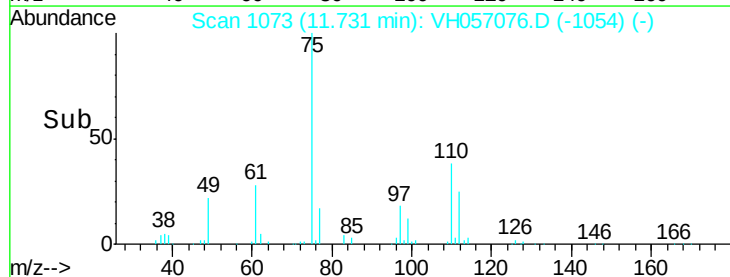
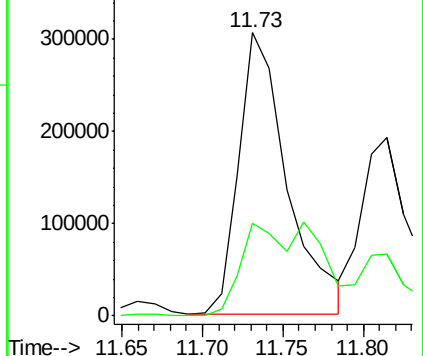
75 100

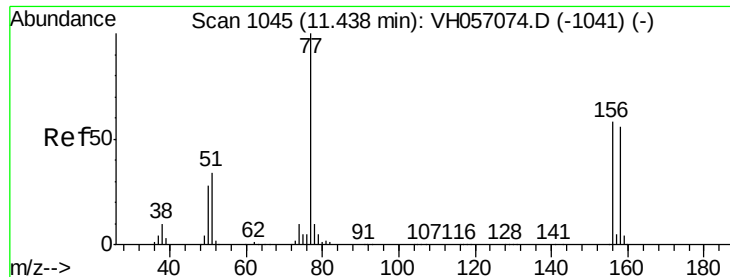
77 32.7 14.9 44.9



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0





#77

Bromobenzene

Concen: 50.95 ug/l

RT: 11.44 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

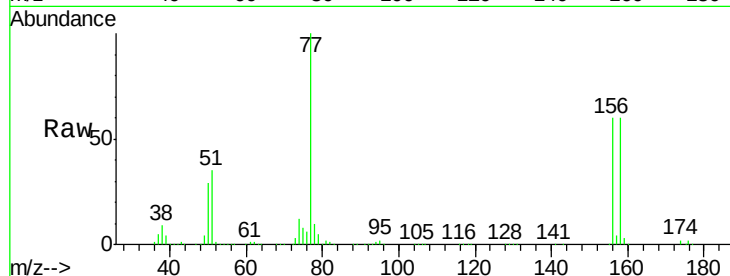
Tgt Ion:156 Resp: 456253

Ion Ratio Lower Upper

156 100

77 165.5 73.5 220.5

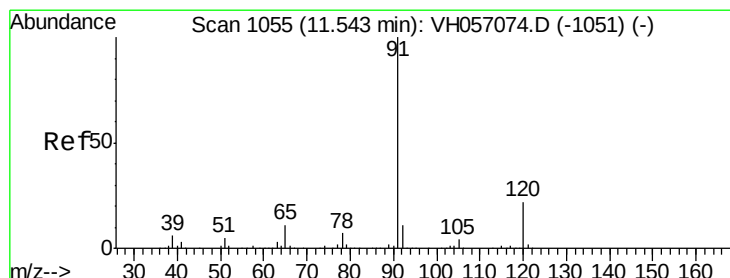
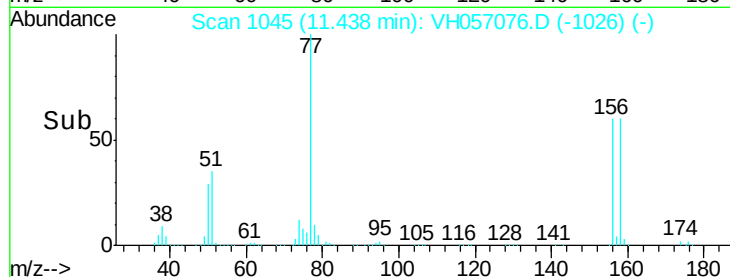
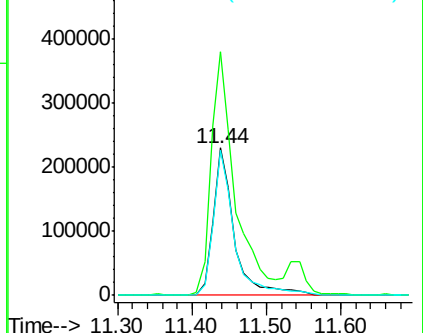
158 98.9 46.8 140.3



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: 51.18 ug/l

RT: 11.54 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VH057076.D

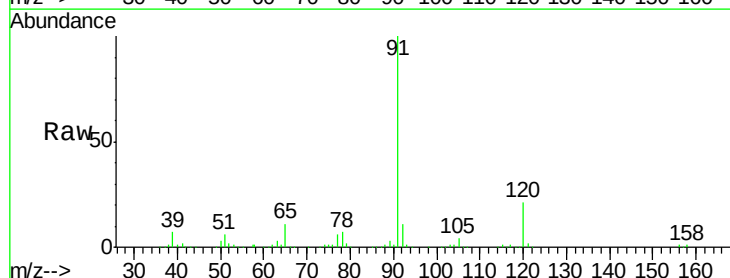
Acq: 17 Sep 2015 21:18

Tgt Ion: 91 Resp: 1721632

Ion Ratio Lower Upper

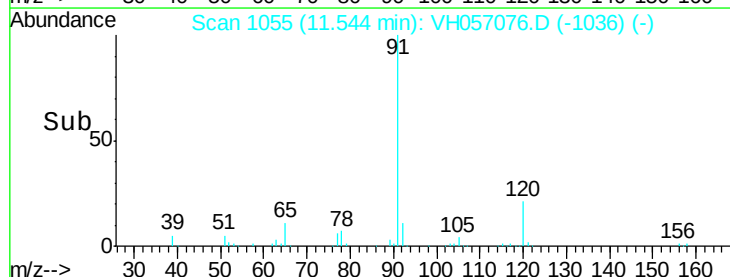
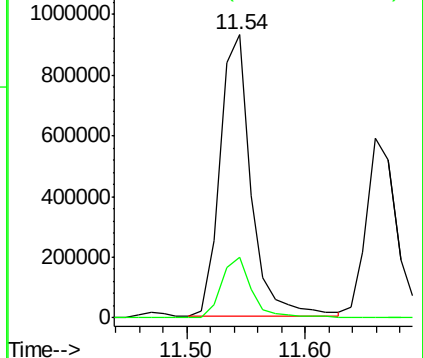
91 100

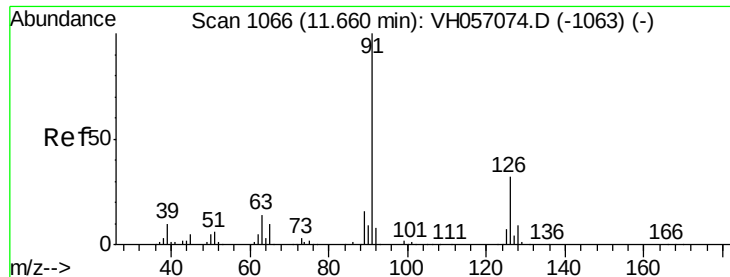
120 21.5 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.51 ug/l

RT: 11.66 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

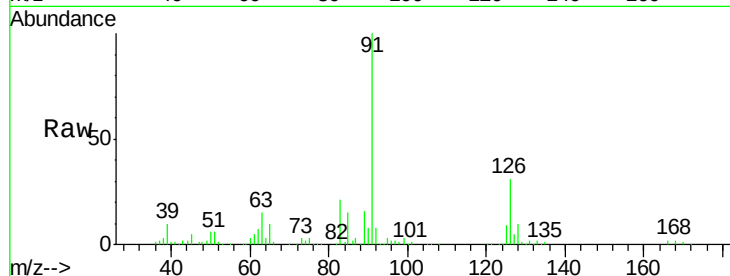
BFB

Tgt Ion: 91 Resp: 984358

Ion Ratio Lower Upper

91 100

126 31.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VH057074.D (-1063) (-)

Ion 126.00 (125.70 to 126.70): VH057074.D (-1063) (-)

11.66

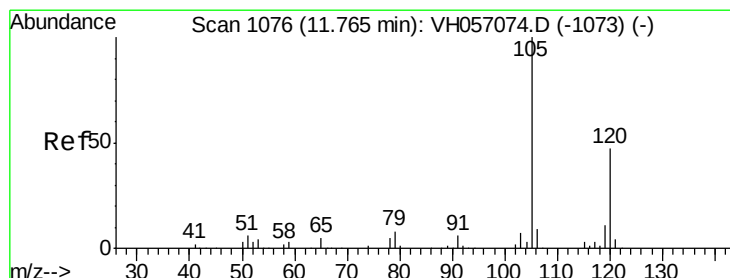
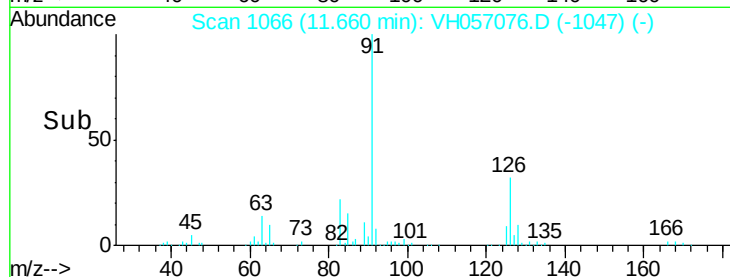
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.24 ug/l

RT: 11.77 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VH057076.D

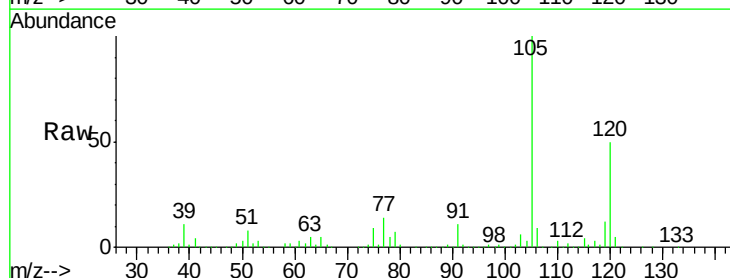
Acq: 17 Sep 2015 21:18

Tgt Ion: 105 Resp: 991831

Ion Ratio Lower Upper

105 100

120 50.0 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): VH057074.D (-1073) (-)

Ion 120.00 (119.70 to 120.70): VH057074.D (-1073) (-)

11.77

600000

500000

400000

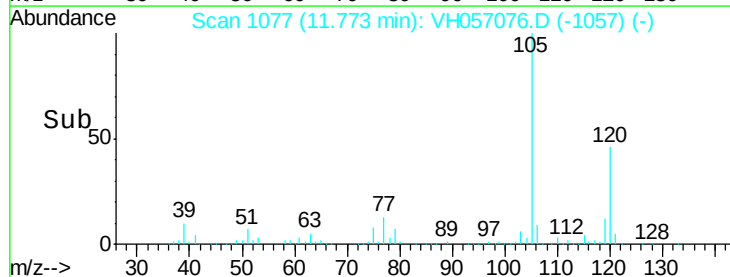
300000

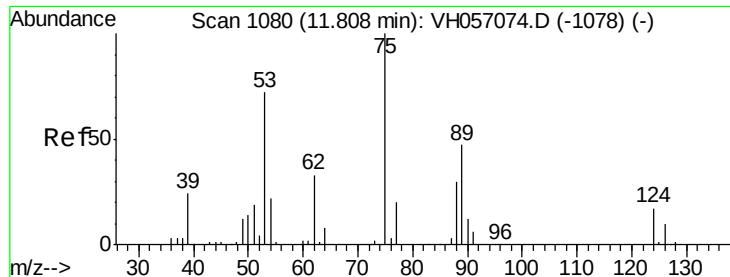
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-Butene

Concen: 49.38 ug/l

RT: 11.81 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

BFB

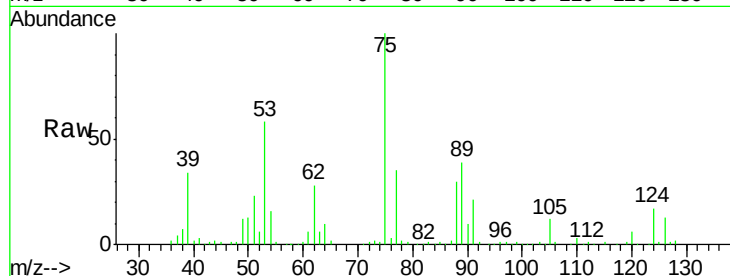
Tgt Ion: 75 Resp: 465811

Ion Ratio Lower Upper

75 100

53 57.7 32.0 96.2

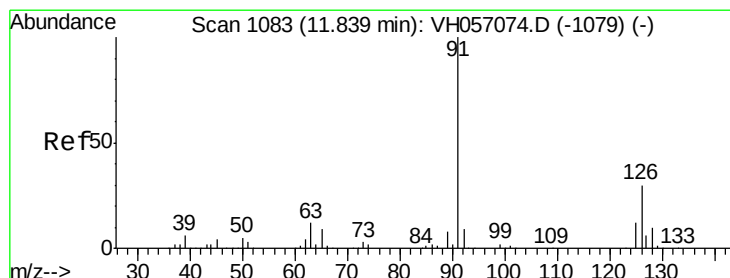
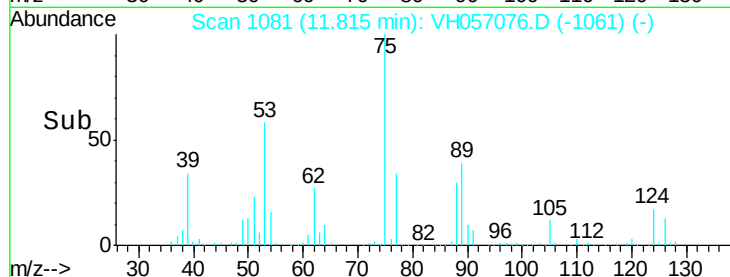
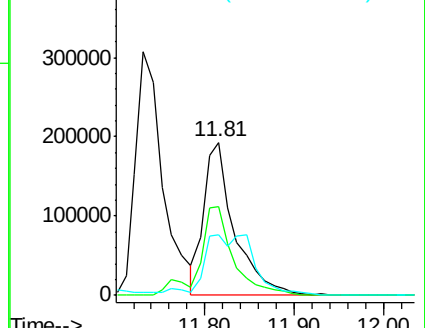
89 39.2 21.1 63.3



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 53.00 (52.70 to 53.70): VH0

Ion 89.00 (88.70 to 89.70): VH0



#82

4-Chlorotoluene

Concen: 49.21 ug/l

RT: 11.85 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VH057076.D

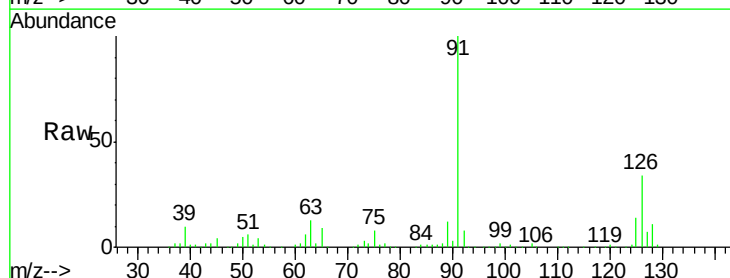
Acq: 17 Sep 2015 21:18

Tgt Ion: 91 Resp: 1206170

Ion Ratio Lower Upper

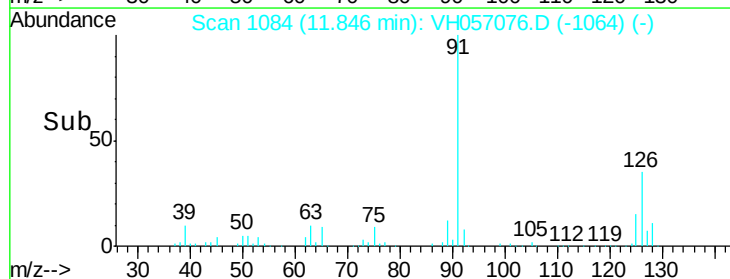
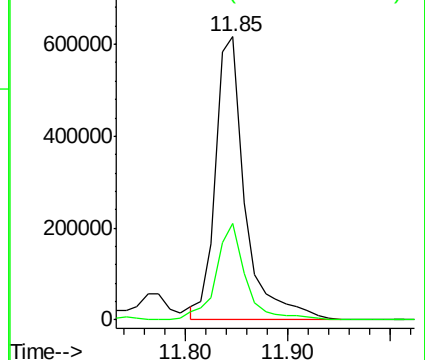
91 100

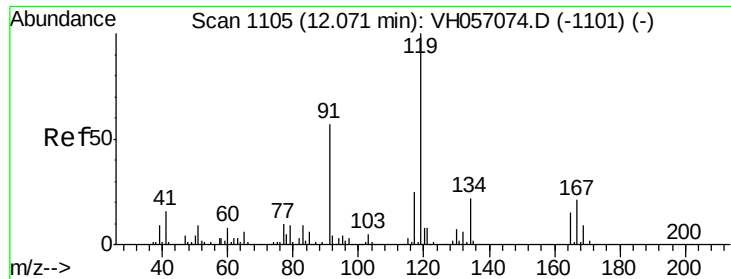
126 33.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 126.00 (125.70 to 126.70): V

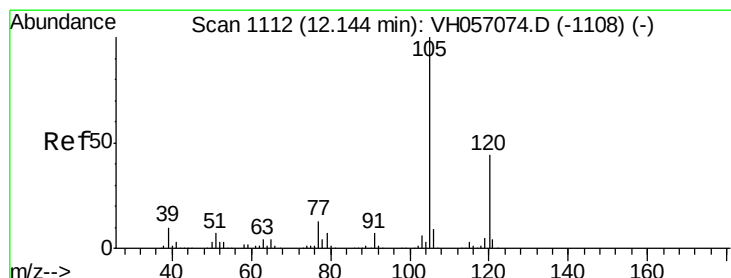
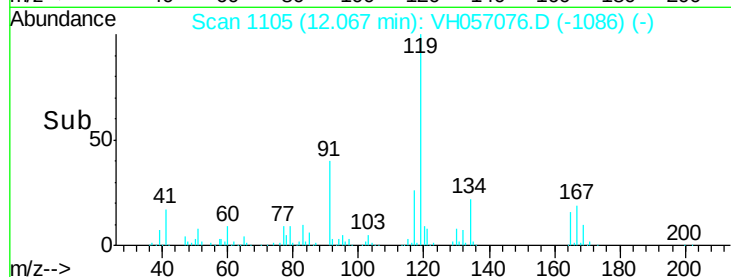
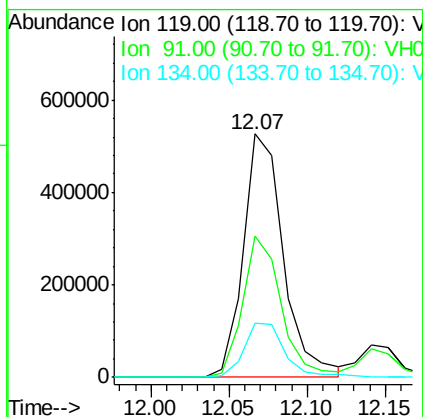
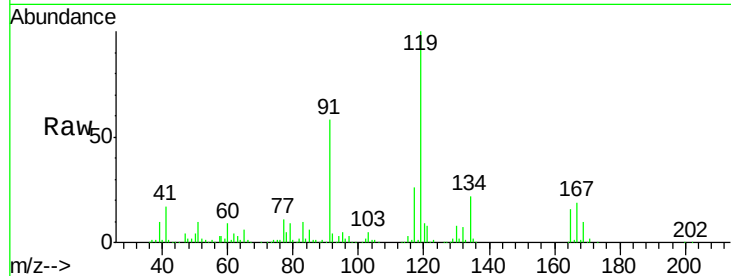




#83
 tert-Butylbenzene
 Concen: 48.23 ug/l
 RT: 12.07 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

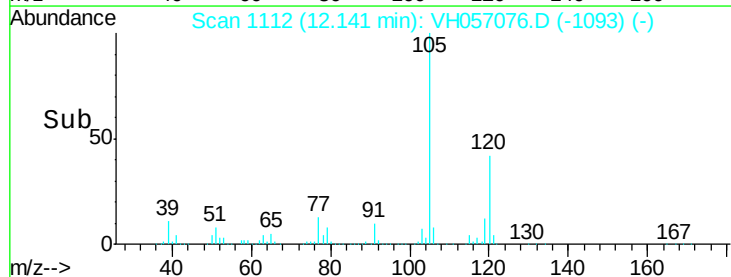
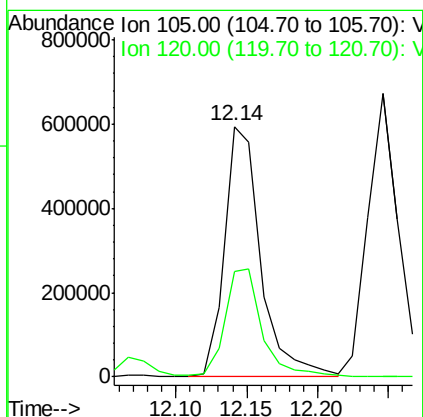
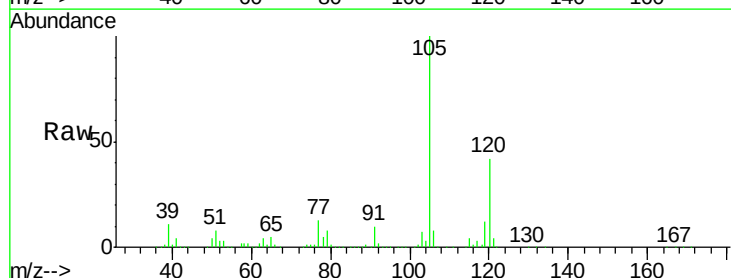
Instrument :
 MSVOA_H
 ClientSampleId :
 BFB

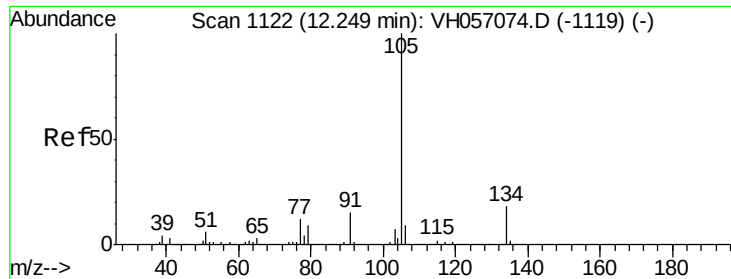
Tgt Ion:119 Resp: 936097
 Ion Ratio Lower Upper
 119 100
 91 58.2 28.5 85.6
 134 22.2 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 49.61 ug/l
 RT: 12.14 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

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

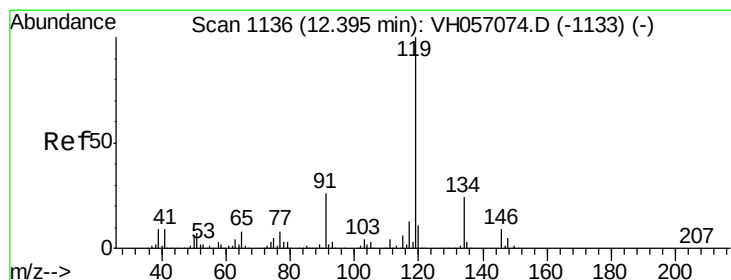
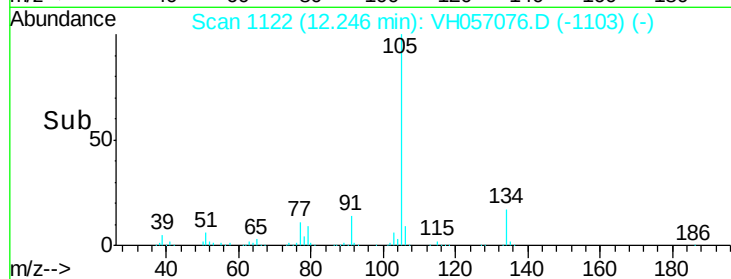
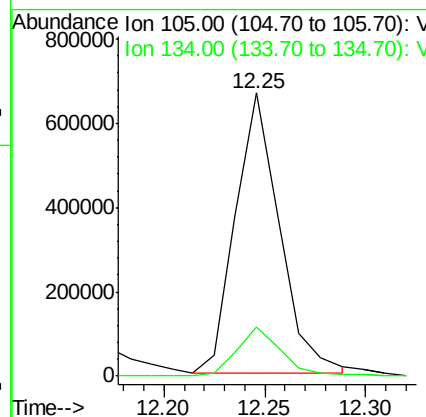
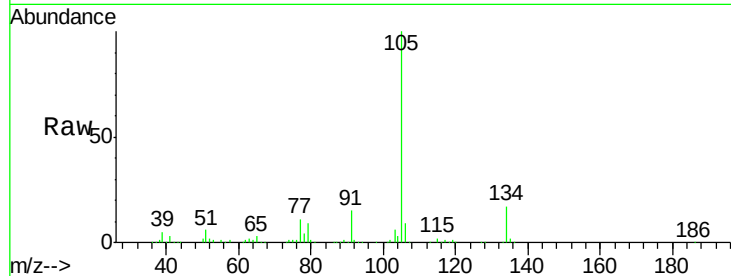




#85
 sec-Butylbenzene
 Concen: 48.64 ug/l
 RT: 12.25 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

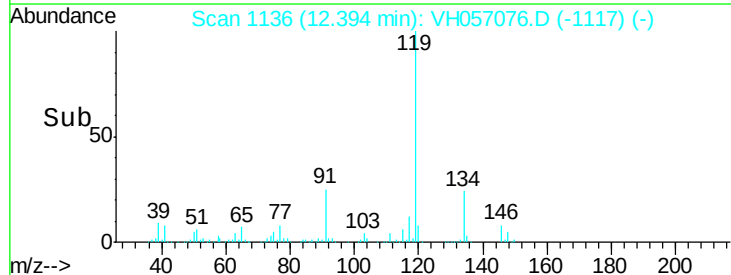
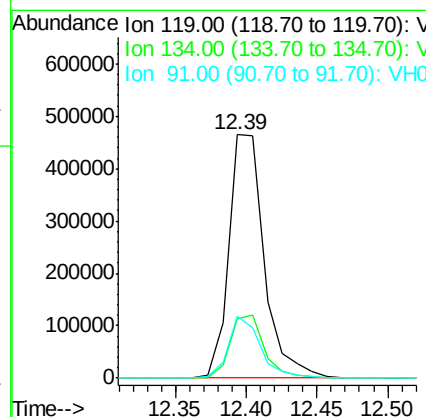
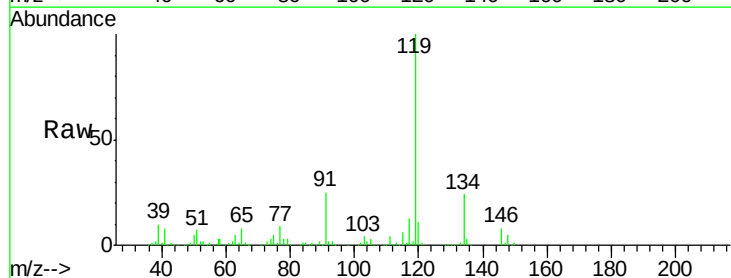
Instrument :
 MSVOA_H
 ClientSampleId :
 BFB

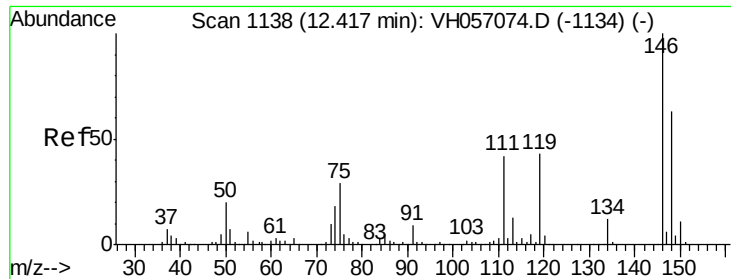
Tgt Ion:105 Resp: 1009759
 Ion Ratio Lower Upper
 105 100
 134 17.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 51.05 ug/l
 RT: 12.39 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

Tgt Ion:119 Resp: 804582
 Ion Ratio Lower Upper
 119 100
 134 24.3 13.0 38.9
 91 25.2 12.5 37.5

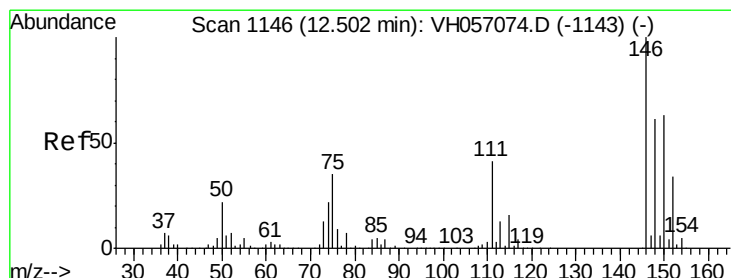
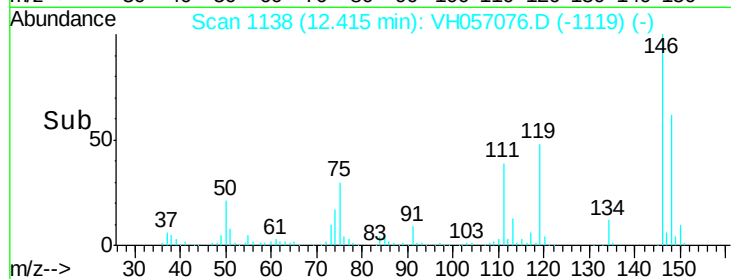
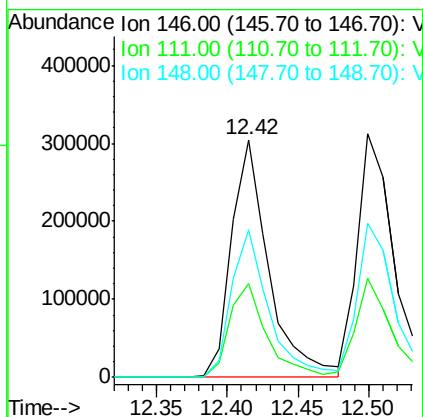
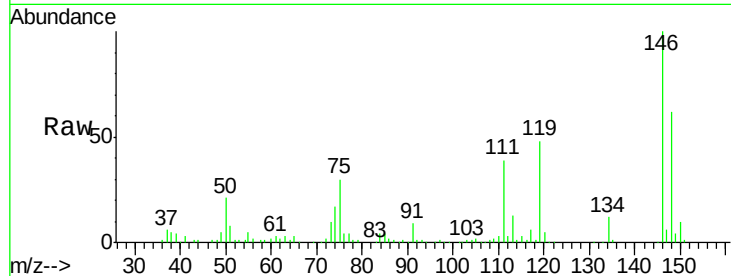




#87
 1,3-Dichlorobenzene
 Concen: 52.99 ug/l
 RT: 12.42 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

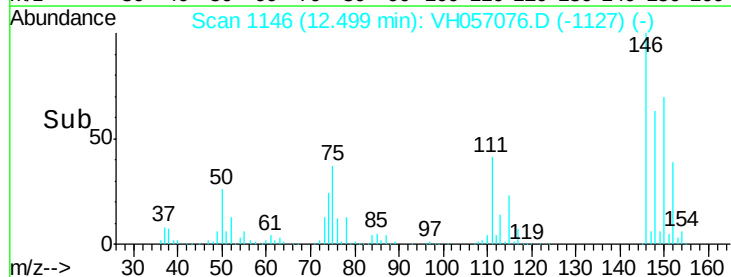
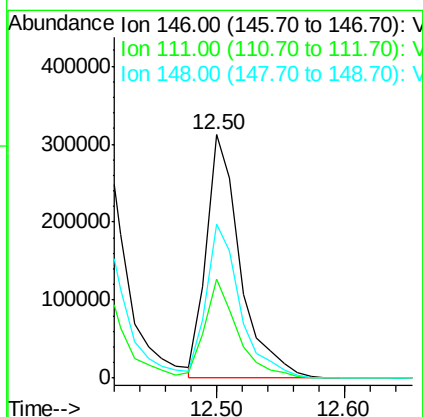
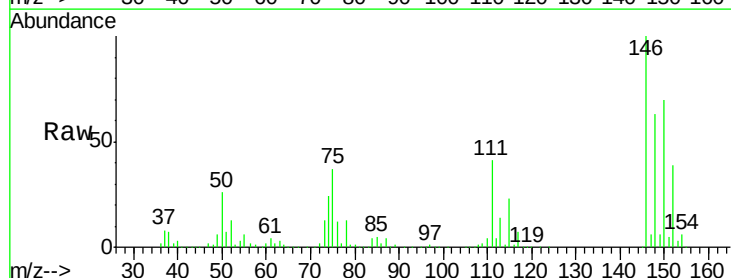
Instrument :
 MSVOA_H
 ClientSampled :
 BFB

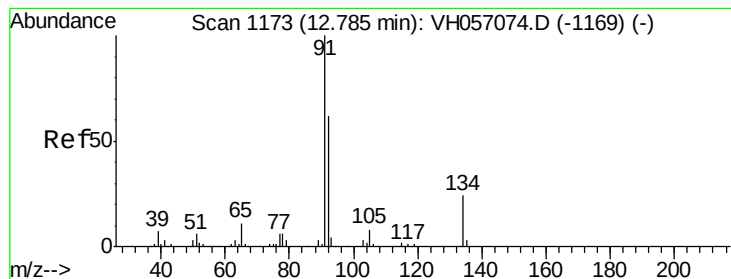
Tgt Ion:146 Resp: 566183
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.0 63.0
 148 62.2 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 52.00 ug/l
 RT: 12.50 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

Tgt Ion:146 Resp: 575430
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.8 59.3
 148 63.1 30.3 90.9





#89

n-Butylbenzene

Concen: 51.59 ug/l

RT: 12.79 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

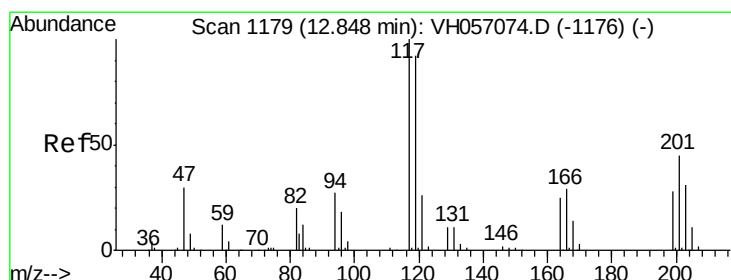
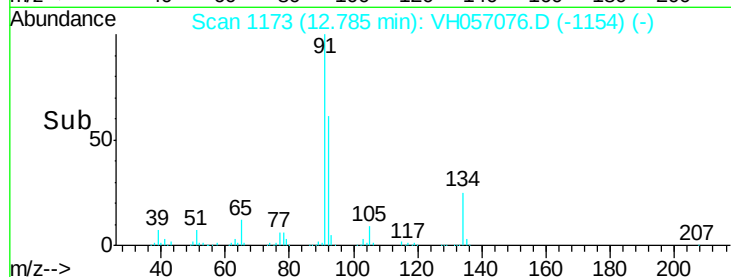
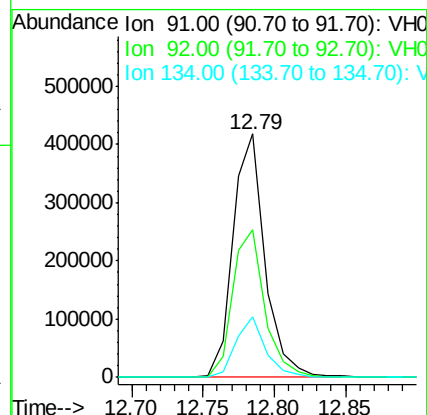
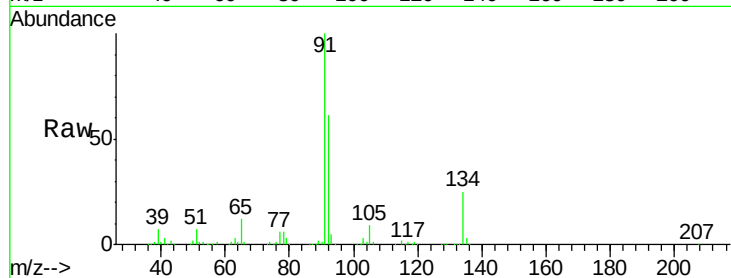
Tgt Ion: 91 Resp: 649968

Ion Ratio Lower Upper

91 100

92 60.7 31.3 93.9

134 24.8 10.5 31.6



#90

Hexachloroethane

Concen: 48.64 ug/l

RT: 12.85 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VH057076.D

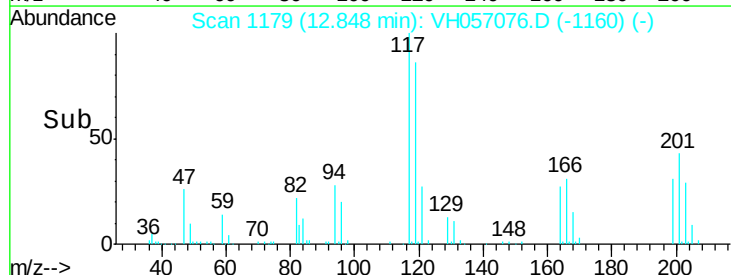
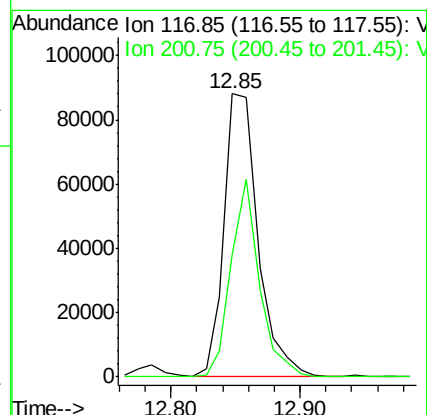
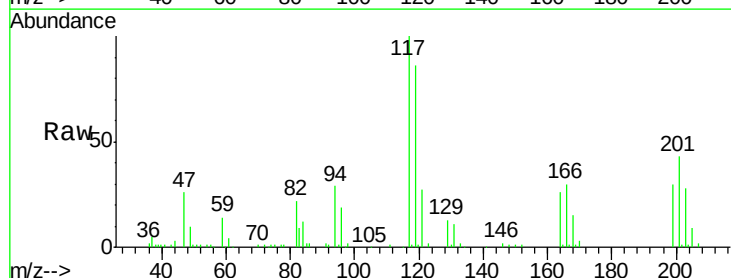
Acq: 17 Sep 2015 21:18

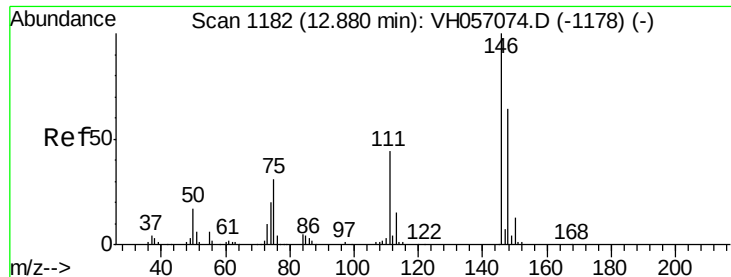
Tgt Ion: 117 Resp: 162272

Ion Ratio Lower Upper

117 100

201 43.1 14.0 80.8





#91

1,2-Dichlorobenzene

Concen: 50.71 ug/l

RT: 12.88 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampleId :

BFB

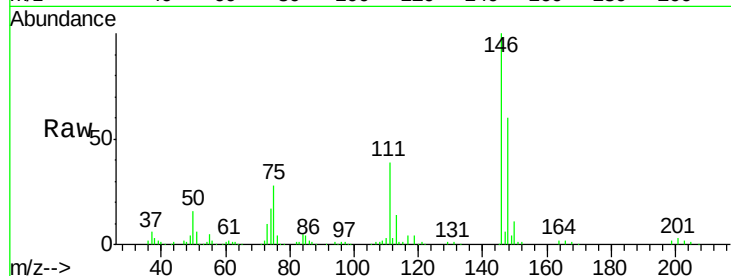
Tgt Ion:146 Resp: 488161

Ion Ratio Lower Upper

146 100

111 39.2 22.1 66.1

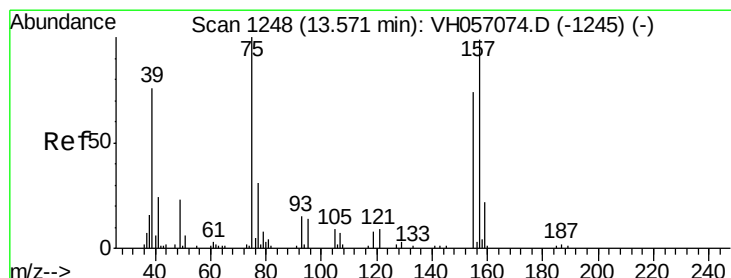
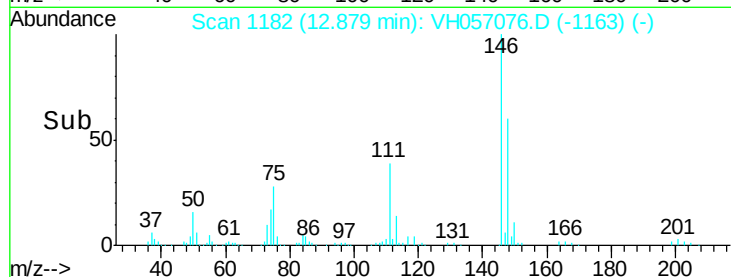
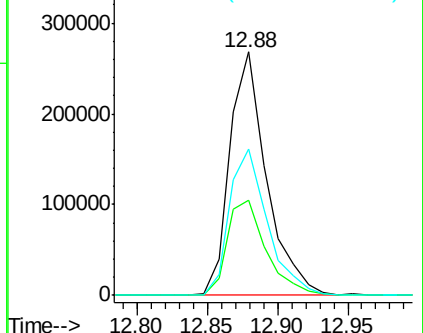
148 60.1 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.88 ug/l

RT: 13.57 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

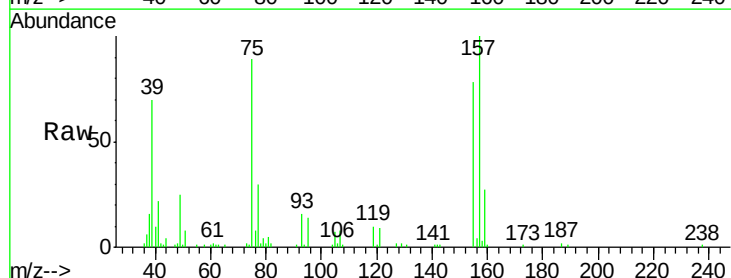
Tgt Ion: 75 Resp: 83025

Ion Ratio Lower Upper

75 100

155 88.3 43.4 130.2

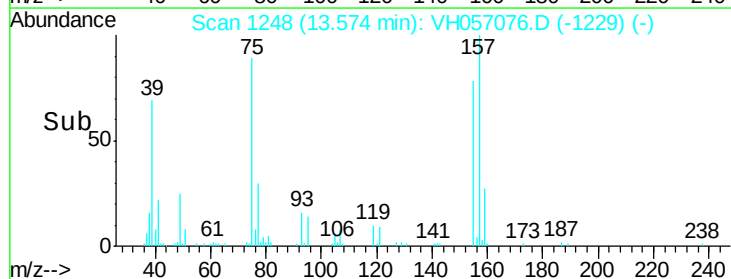
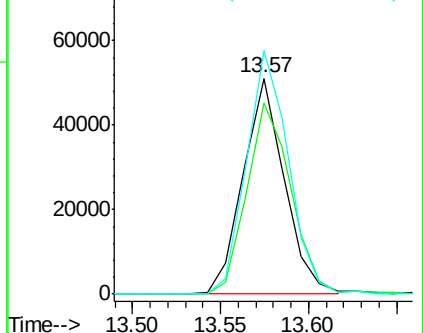
157 112.7 62.8 188.4

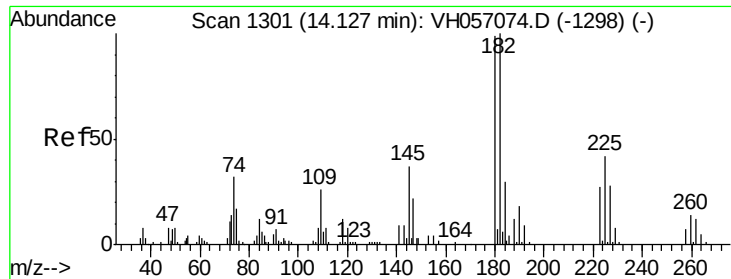


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

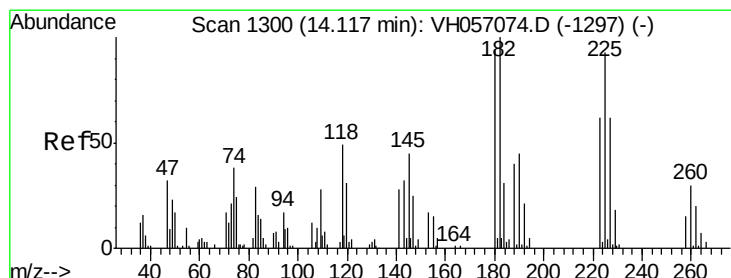
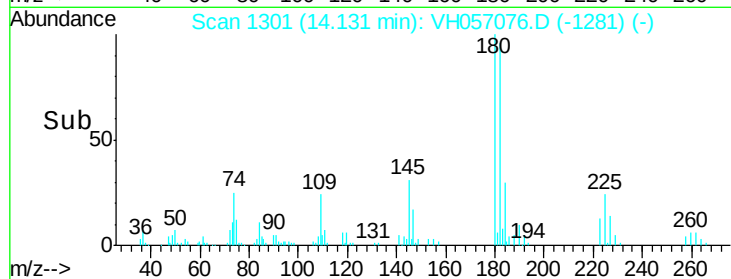
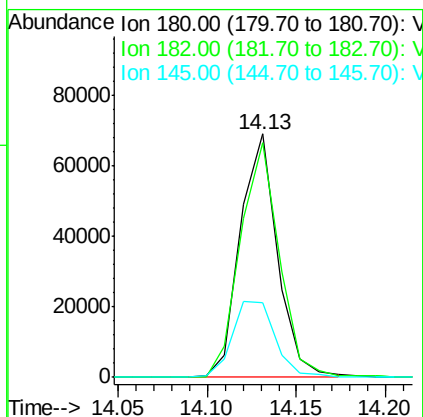
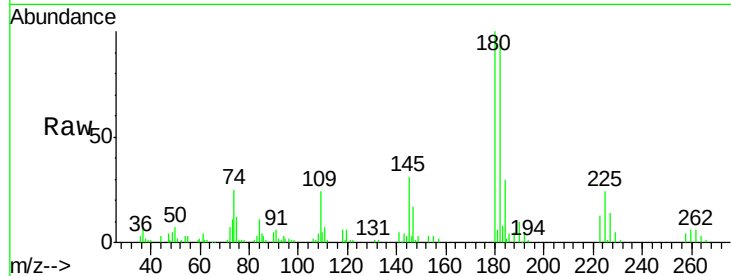




#93
 1,2,4-Trichlorobenzene
 Concen: 46.23 ug/l
 RT: 14.13 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

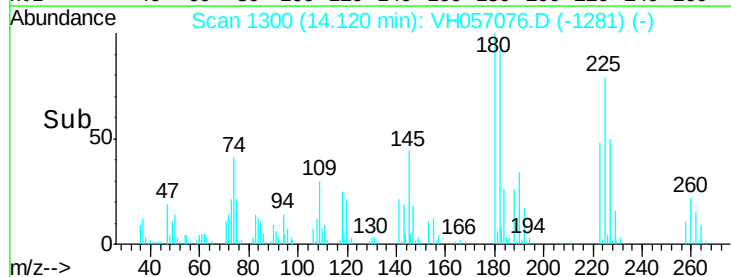
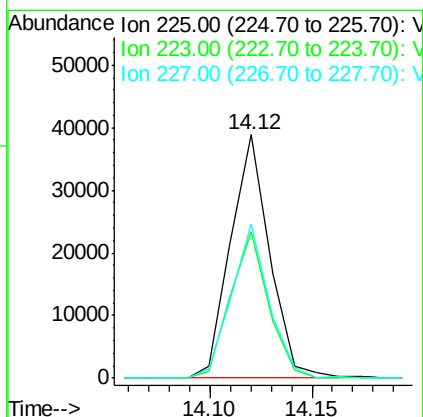
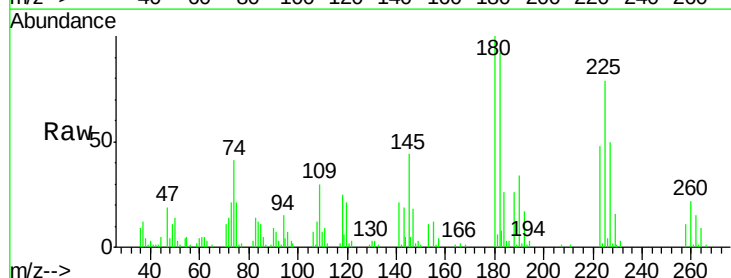
Instrument :
 MSVOA_H
 ClientSampleId :
 BFB

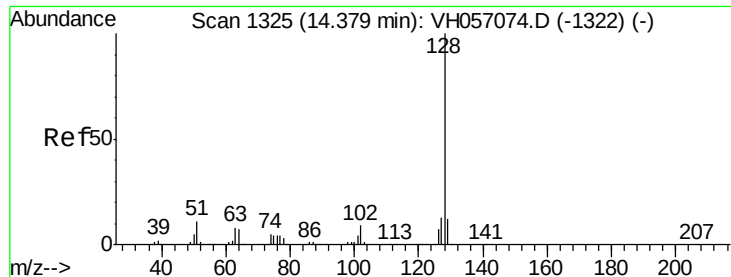
Tgt Ion:180 Resp: 99134
 Ion Ratio Lower Upper
 180 100
 182 96.3 43.0 129.2
 145 30.7 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 51.34 ug/l
 RT: 14.12 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VH057076.D
 Acq: 17 Sep 2015 21:18

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





#95

Naphthalene

Concen: 44.94 ug/l

RT: 14.38 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

Instrument :

MSVOA_H

ClientSampled :

BFB

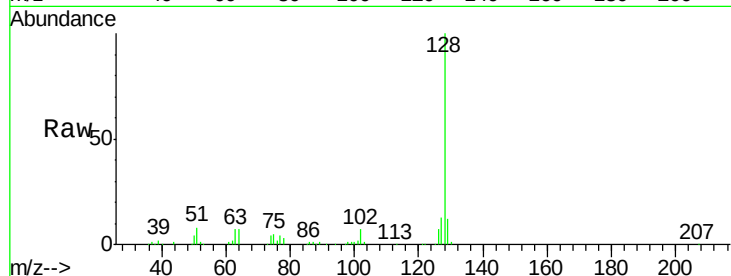
Tgt Ion:128 Resp: 388595

Ion Ratio Lower Upper

128 100

127 12.9 9.6 14.4

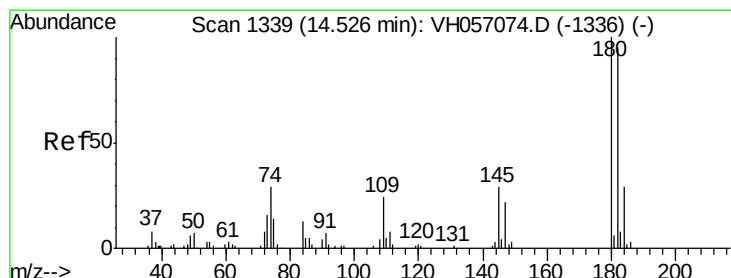
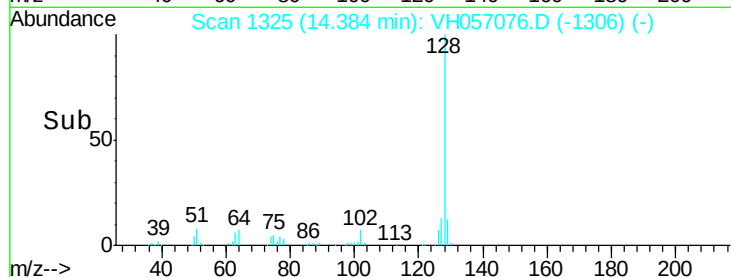
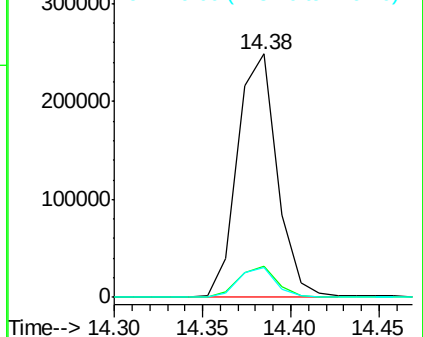
129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.40 ug/l

RT: 14.52 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VH057076.D

Acq: 17 Sep 2015 21:18

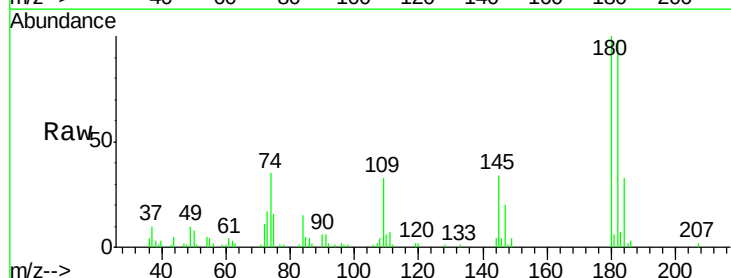
Tgt Ion:180 Resp: 66052

Ion Ratio Lower Upper

180 100

182 97.9 47.1 141.3

145 33.5 12.5 37.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

