

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH091715\
 Data File : VH057069.D
 Acq On : 17 Sep 2015 16:46
 Operator : SY/FY
 Sample : VSTDIC005
 Misc : 5mL/MSVOA_H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 18 08:55:37 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 08:54:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	780970	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.56	114	1396654	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.72	117	1081004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	308113	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.80	65	54270	4.40	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	8.80%#	
35) Dibromofluoromethane		4.07	113	48200	4.77	ug/l	-0.02
Spiked Amount	50.000	Range	76 - 130	Recovery	=	9.54%#	
48) Toluene-d8		7.50	98	105284	3.92	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	7.84%#	
62) 4-Bromofluorobenzene		11.36	95	49619	5.07	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	10.14%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	29206	2.96	ug/l	76
3) Chloromethane	1.03	50	53037	3.85	ug/l	99
4) Vinyl Chloride	1.08	62	47979	4.23	ug/l	89
5) Bromomethane	1.27	94	21309	3.81	ug/l	91
6) Chloroethane	1.35	64	19161	3.37	ug/l	# 81
7) Trichlorofluoromethane	1.40	101	20115	2.81	ug/l	100
8) Tert butyl alcohol	2.54	59	66162	25.49	ug/l	99
9) Diethyl Ether	1.60	74	24314	4.34	ug/l	73
10) Diisopropyl ether	2.77	45	175874	4.33	ug/l	97
11) 1,1-Dichloroethene	1.76	96	37792	4.76	ug/l	83
12) Methyl Iodide	1.87	142	41394	3.15	ug/l	93
13) Acrolein	1.97	56	42188	24.92	ug/l	84
14) 1,1,2-Trichlorotrifluoroet	1.79	101	31970	4.20	ug/l	94
15) Acrylonitrile	2.90	53	109932	18.97	ug/l	# 86
16) Allyl Chloride	2.07	41	68888	3.78	ug/l	93
17) Acetone	2.20	43	215700	33.85	ug/l	# 89
18) Carbon Disulfide	1.76	76	95652	3.92	ug/l	99
19) Methyl Acetate	2.31	43	186667	4.11	ug/l	98
20) Methyl tert-butyl Ether	2.40	73	142481	4.60	ug/l	94
21) Methylene Chloride	2.15	84	25670	2.84	ug/l	# 74
22) trans-1,2-Dichloroethene	2.28	96	38113	4.35	ug/l	96
23) Vinyl Acetate	3.15	43	417933	23.50	ug/l	99
24) 1,1-Dichloroethane	2.83	63	84650	4.45	ug/l	96
25) 2-Butanone	4.29	43	347287	24.69	ug/l	97
26) 2,2-Dichloropropane	3.55	77	52638	5.03	ug/l	94
27) cis-1,2-Dichloroethene	3.44	96	53674	4.86	ug/l	98
28) Bromochloromethane	3.68	128	15449	3.75	ug/l	87
30) Cyclohexane	3.65	56	62916	4.33	ug/l	94
31) Tetrahydrofuran	4.04	42	178521	21.84	ug/l	96
32) 1,1,1-Trichloroethane	4.06	97	71472	5.16	ug/l	98
36) 1,1-Dichloropropene	4.24	75	76450	5.34	ug/l	89
37) Ethyl acetate	4.08	43	145256	4.85	ug/l	# 54
38) Carbon Tetrachloride	3.94	117	56733	5.03	ug/l	94
39) Benzene	4.59	78	183022	5.09	ug/l	96

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 Misc : 5mL/MSVOA_H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 18 08:55:37 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 08:54:56 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Methacrylonitrile	4.70	41	58256	4.19	ug/l	86
41) 1,2-Dichloroethane	4.90	62	81068	5.26	ug/l	98
42) Isopropyl Acetate	5.45	43	188485	4.87	ug/l	97
43) Trichloroethene	5.47	130	42921	4.80	ug/l	81
44) Methylcyclohexane	5.42	83	44821	5.06	ug/l	77
45) 1,2-Dichloropropane	6.19	63	58830	5.08	ug/l	98
46) Dibromomethane	6.05	93	36556	5.03	ug/l	95
47) Bromodichloromethane	6.34	83	70623	4.76	ug/l	94
49) 4-Methyl-2-Pentanone	8.21	43	574206	24.19	ug/l	98
50) Toluene	7.58	92	114122	4.96	ug/l	96
51) t-1,3-Dichloropropene	8.23	75	78891	4.61	ug/l	99
52) Methyl Methacrylate	6.68	69	52317	4.48	ug/l	91
53) 1,4-Dioxane	6.67	88	12475	108.91	ug/l #	53
54) cis-1,3-Dichloropropene	7.25	75	91358	4.90	ug/l	95
55) 1,1,2-Trichloroethane	8.43	97	44240	4.72	ug/l	92
56) Ethyl Methacrylate	8.57	69	85165	4.38	ug/l	96
57) 1,3-Dichloropropane	8.80	76	90774	4.62	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.25	63	226605	13.58	ug/l	97
59) 2-Hexanone	9.44	43	465490	26.89	ug/l	96
60) Dibromochloromethane	8.66	129	53604	5.04	ug/l	86
61) 1,2-Dibromoethane	8.93	107	49846	4.54	ug/l	96
64) Tetrachloroethene	8.11	164	28207	4.63	ug/l	90
65) Chlorobenzene	9.74	112	109394	4.85	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.86	131	39407	4.97	ug/l	85
67) Ethyl Benzene	9.84	106	55755	4.93	ug/l	96
68) m/p-Xylenes	10.08	106	132836	9.77	ug/l	99
69) o-Xylene	10.65	106	61407	4.68	ug/l	82
70) Styrene	10.74	104	106062	4.80	ug/l	93
71) Bromoform	10.72	173	34110	5.26	ug/l	98
73) Isopropylbenzene	11.07	105	140848	4.86	ug/l	84
74) n-Amyl Acetate	11.32	43	150383	4.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.64	83	75601	5.05	ug/l	98
76) 1,2,3-Trichloropropane	11.74	75	56948	4.89	ug/l	90
77) Bromobenzene	11.44	156	33959	4.35	ug/l	89
78) n-propylbenzene	11.54	91	142819	4.69	ug/l	94
79) 2-Chlorotoluene	11.66	91	85519	4.64	ug/l	95
80) 1,3,5-Trimethylbenzene	11.77	105	92394	5.16	ug/l	91
81) trans-1,4-Dichloro-2-Buten	11.81	75	39778	4.47	ug/l	93
82) 4-Chlorotoluene	11.84	91	105499	4.79	ug/l	96
83) tert-Butylbenzene	12.07	119	94187	5.59	ug/l	96
84) 1,2,4-Trimethylbenzene	12.15	105	97220	5.37	ug/l	92
85) sec-Butylbenzene	12.24	105	94833	5.29	ug/l	98
86) p-Isopropyltoluene	12.40	119	72789	5.29	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	47114	5.05	ug/l	91
88) 1,4-Dichlorobenzene	12.50	146	48564	4.95	ug/l	93
89) n-Butylbenzene	12.78	91	54511	5.06	ug/l	94
90) Hexachloroethane	12.85	117	16993	5.81	ug/l	90
91) 1,2-Dichlorobenzene	12.87	146	41401	5.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.57	75	8431	5.56	ug/l	71
93) 1,2,4-Trichlorobenzene	14.13	180	6196	7.14	ug/l	81

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Misc : 5mL/MSVOA_H/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

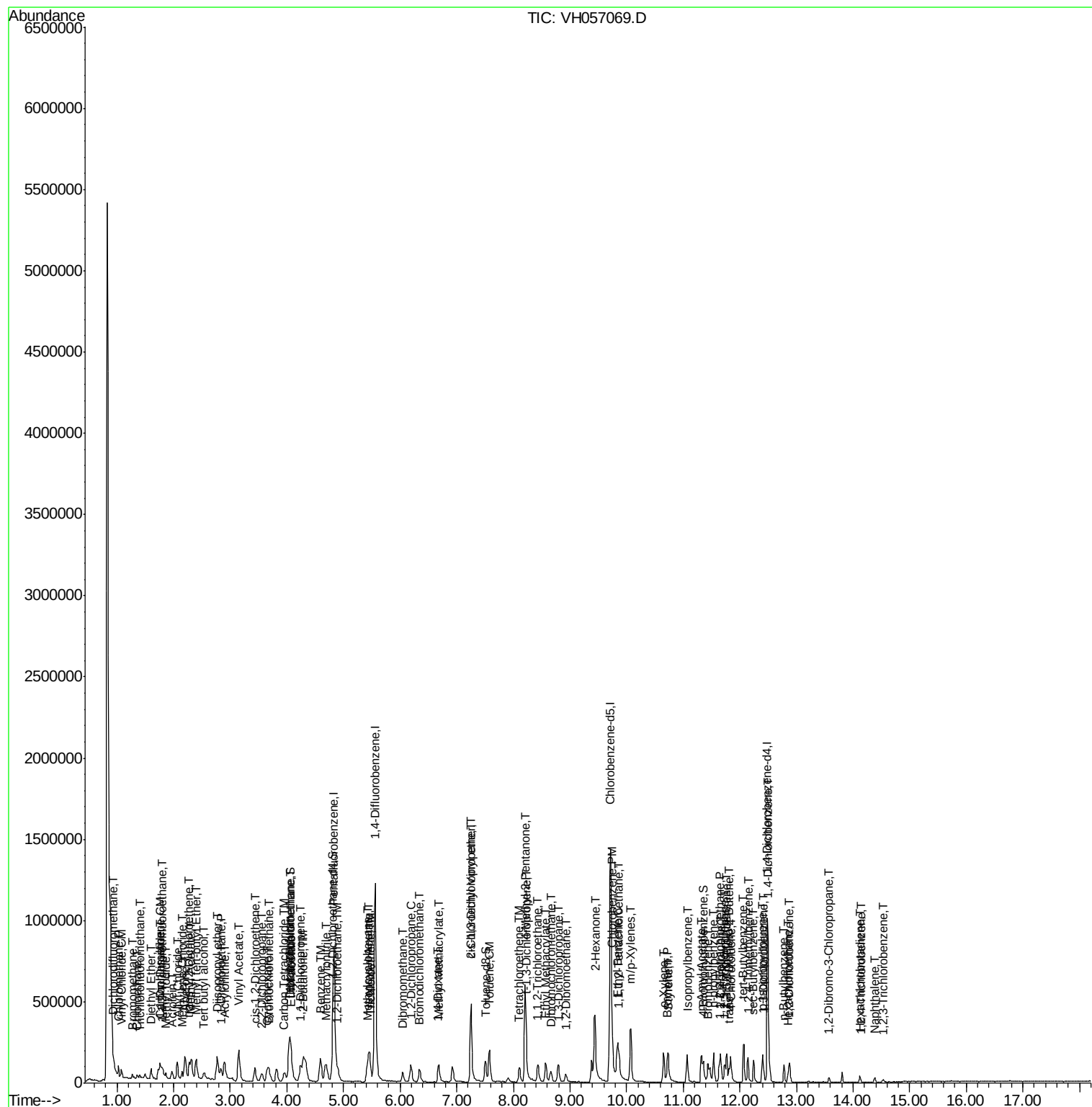
Quant Time: Sep 18 08:55:37 2015
Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 08:54:56 2015
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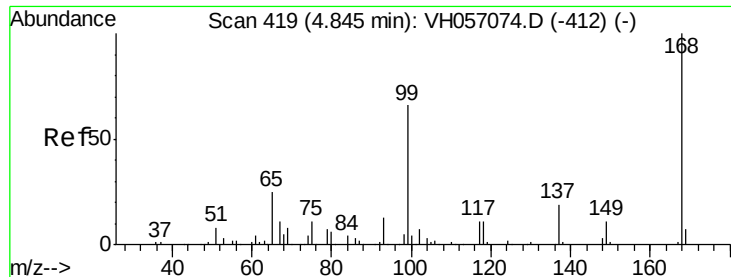
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.12	225	3454	4.75	ug/l	81
95) Naphthalene	14.38	128	20069	4.64	ug/l	97
96) 1,2,3-Trichlorobenzene	14.53	180	3584	6.00	ug/l	97

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

Instrument :
MSVOA_H
ClientSampleId :
VSTDICC005

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QLast Update : Fri Sep 18 08:54:56 2015
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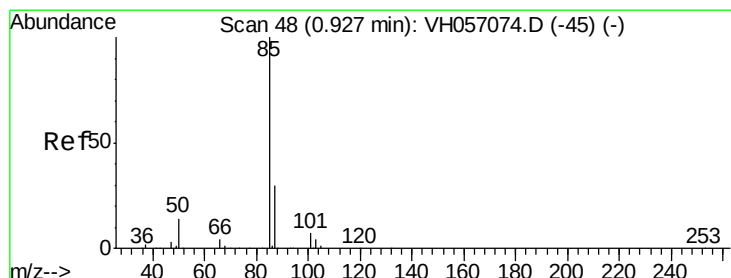
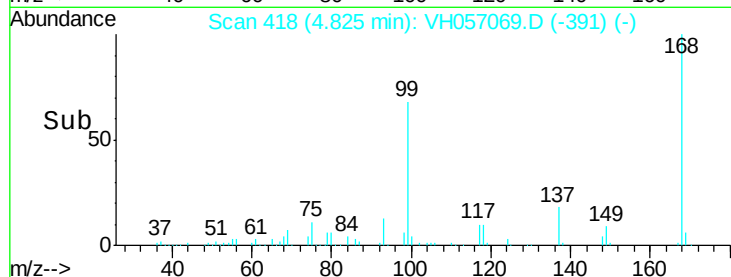
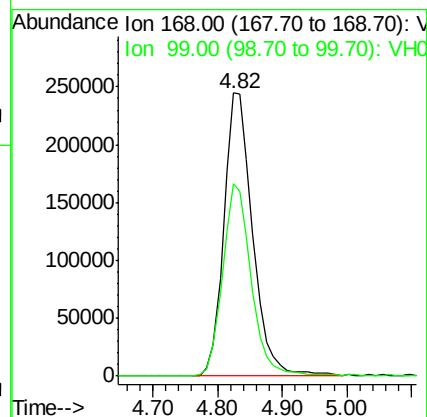
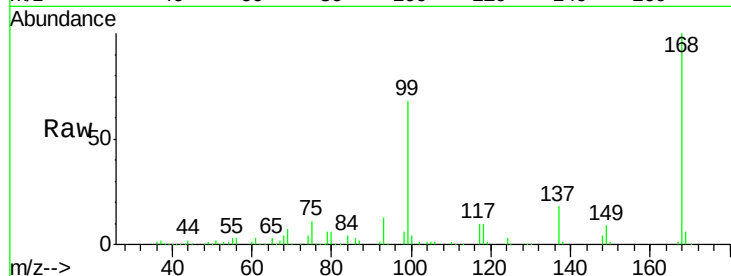




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 4.82 min Scan# 418
Delta R.T. -0.02 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

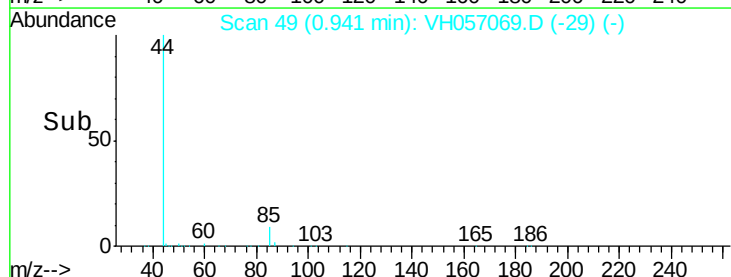
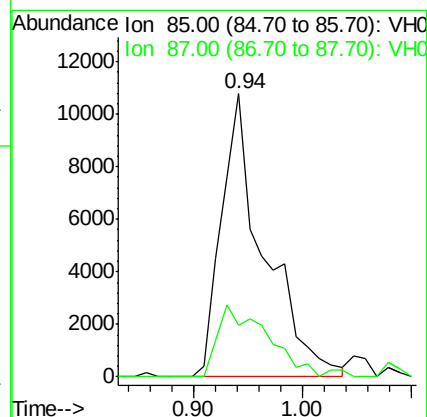
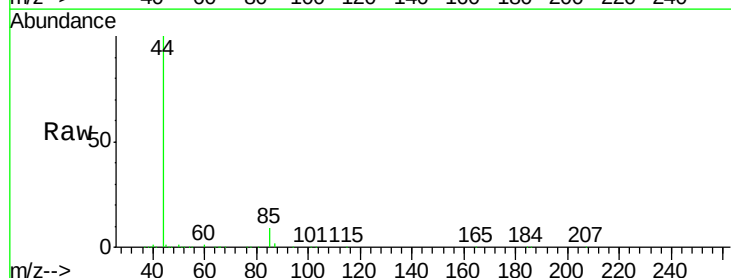
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

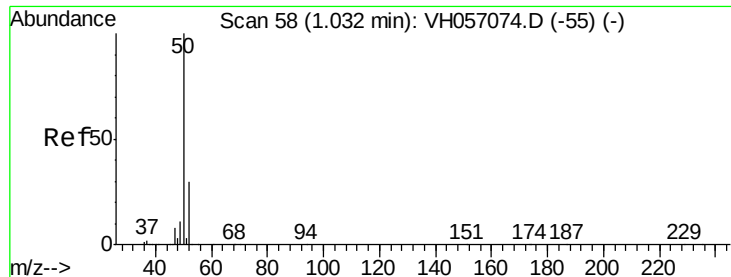
Tgt Ion:168 Resp: 780970
Ion Ratio Lower Upper
168 100
99 68.1 55.8 83.6



#2
Dichlorodifluoromethane
Concen: 2.96 ug/l
RT: 0.94 min Scan# 49
Delta R.T. 0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 85 Resp: 29206
Ion Ratio Lower Upper
85 100
87 18.4 16.0 47.9





#3

Chloromethane

Concen: 3.85 ug/l

RT: 1.03 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

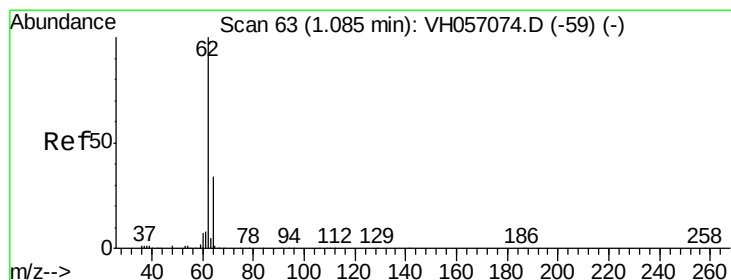
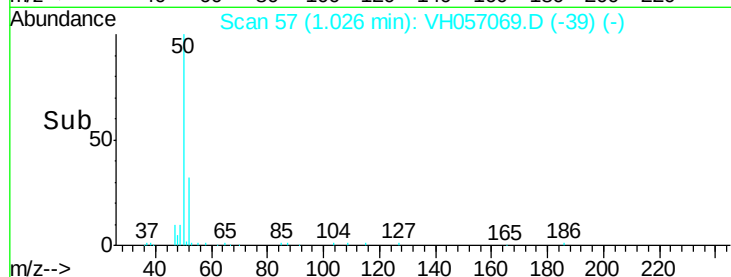
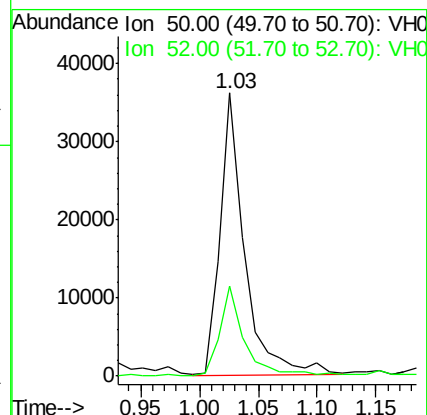
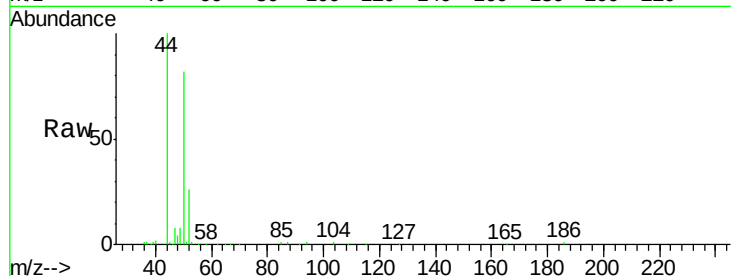
VSTDIC005

Tgt Ion: 50 Resp: 53037

Ion Ratio Lower Upper

50 100

52 31.7 25.8 38.8



#4

Vinyl Chloride

Concen: 4.23 ug/l

RT: 1.08 min Scan# 62

Delta R.T. -0.01 min

Lab File: VH057069.D

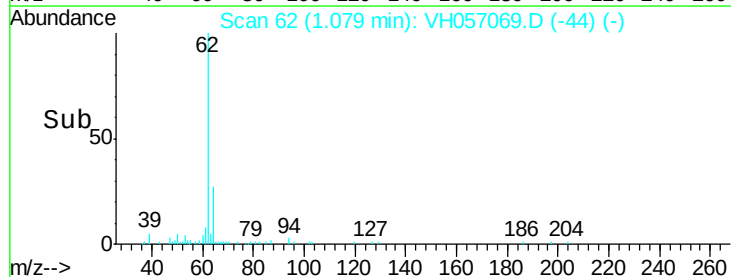
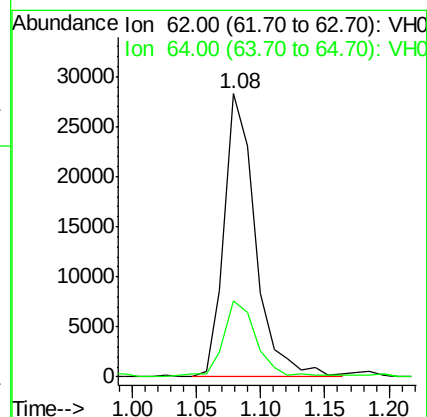
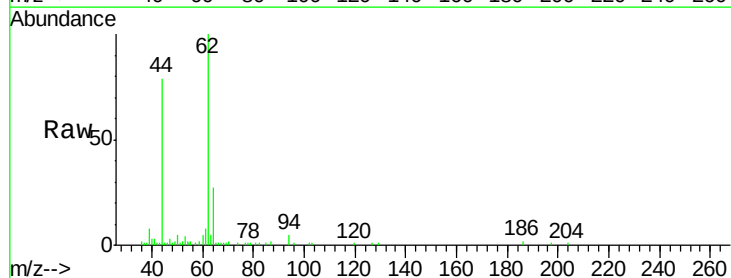
Acq: 17 Sep 2015 16:46

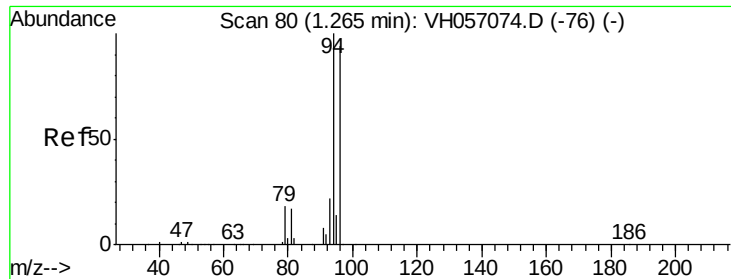
Tgt Ion: 62 Resp: 47979

Ion Ratio Lower Upper

62 100

64 27.1 26.6 40.0





#5

Bromomethane

Concen: 3.81 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

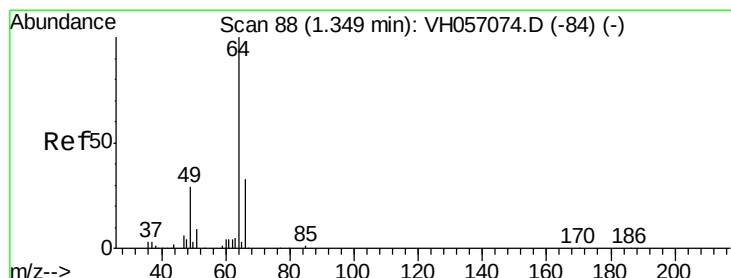
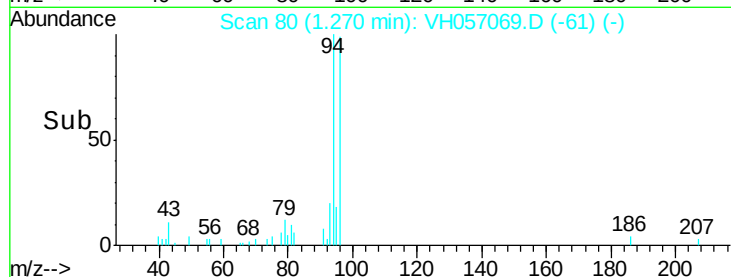
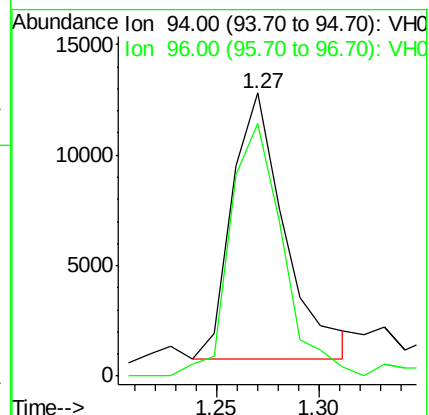
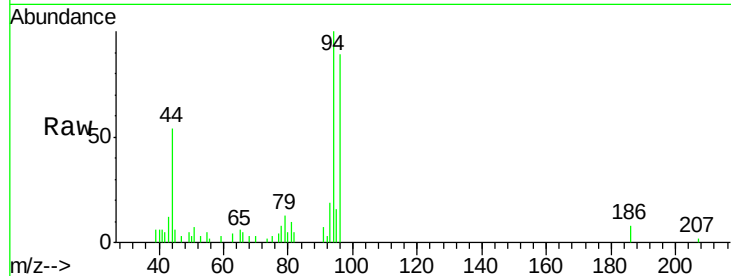
VSTDIC005

Tgt Ion: 94 Resp: 21309

Ion Ratio Lower Upper

94 100

96 89.1 78.5 117.7



#6

Chloroethane

Concen: 3.37 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057069.D

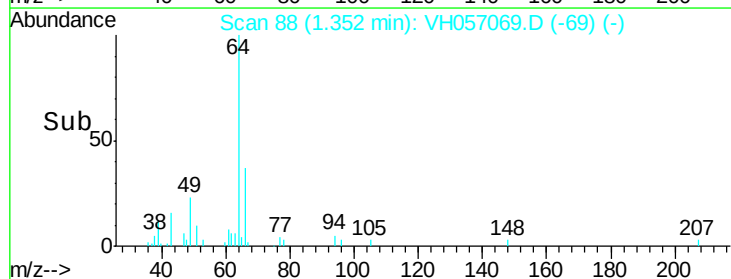
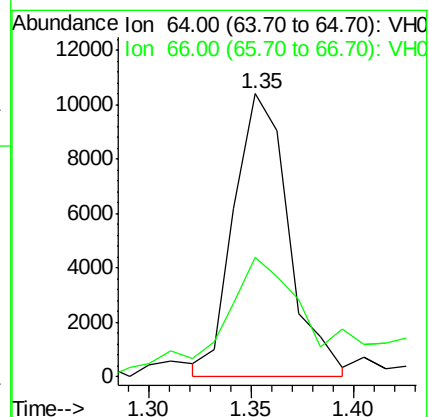
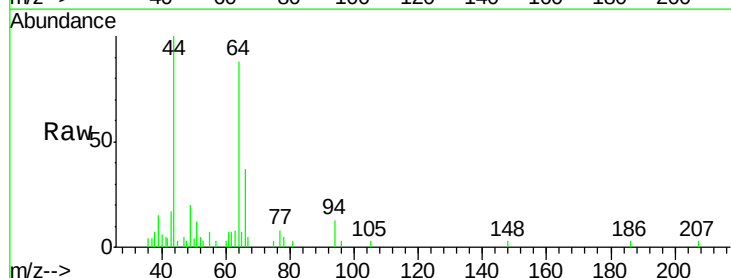
Acq: 17 Sep 2015 16:46

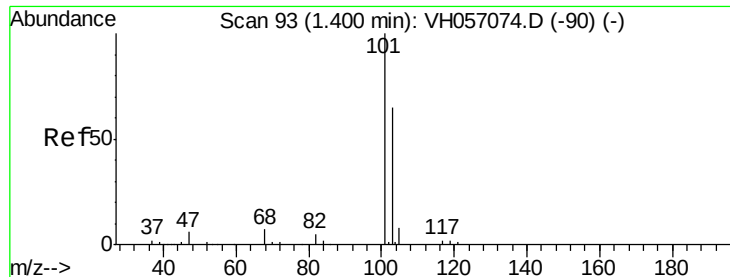
Tgt Ion: 64 Resp: 19161

Ion Ratio Lower Upper

64 100

66 42.3 25.2 37.8#





#7

Trichlorofluoromethane

Concen: 2.81 ug/l

RT: 1.40 min Scan# 93

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

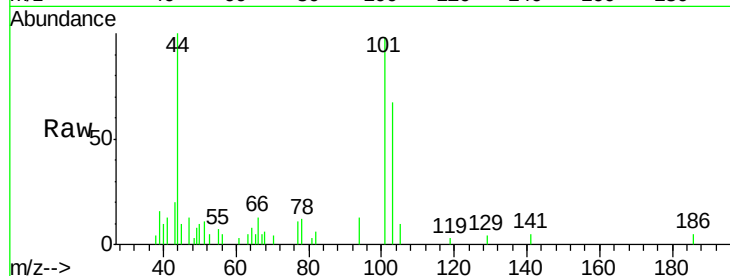
VSTDIC005

Tgt Ion: 101 Resp: 20115

Ion Ratio Lower Upper

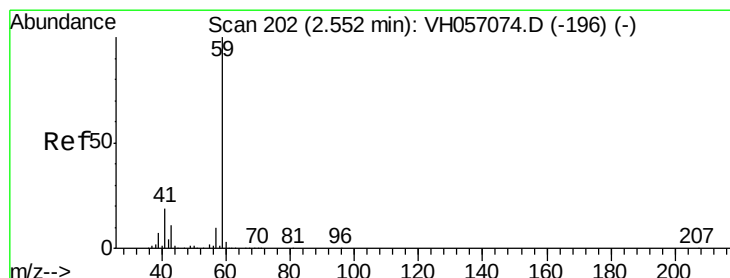
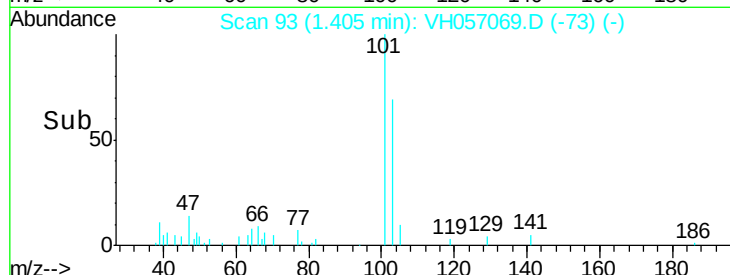
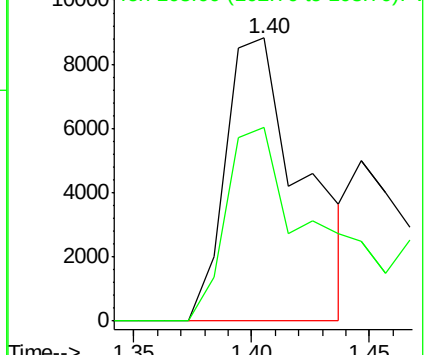
101 100

103 68.6 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: 25.49 ug/l

RT: 2.54 min Scan# 201

Delta R.T. -0.01 min

Lab File: VH057069.D

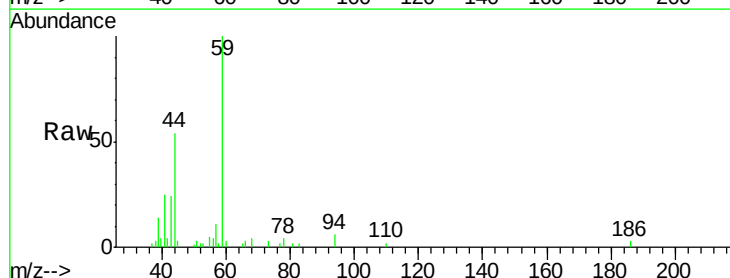
Acq: 17 Sep 2015 16:46

Tgt Ion: 59 Resp: 66162

Ion Ratio Lower Upper

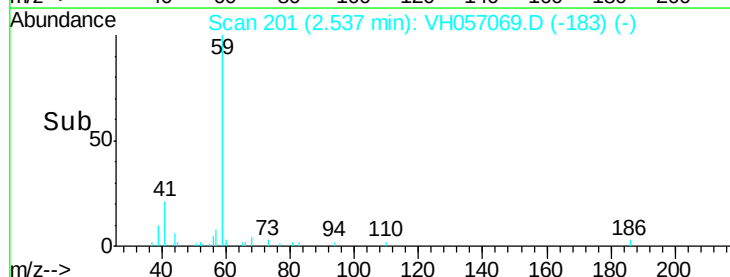
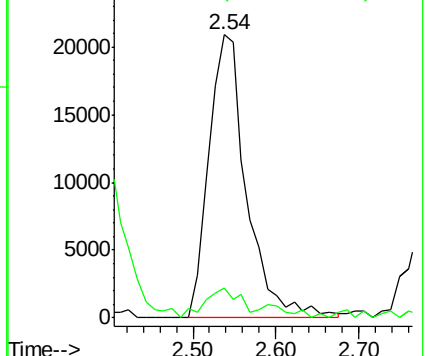
59 100

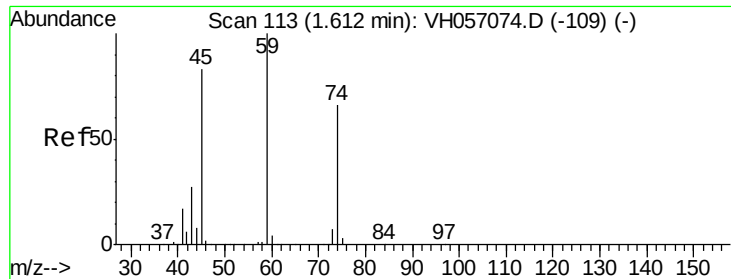
57 10.5 9.0 11.0



Abundance Ion 59.00 (58.70 to 59.70): VH0

Ion 57.00 (56.70 to 57.70): VH0





#9

Diethyl Ether

Concen: 4.34 ug/l

RT: 1.60 min Scan# 112

Delta R.T. -0.01 min

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ClientSampleId :

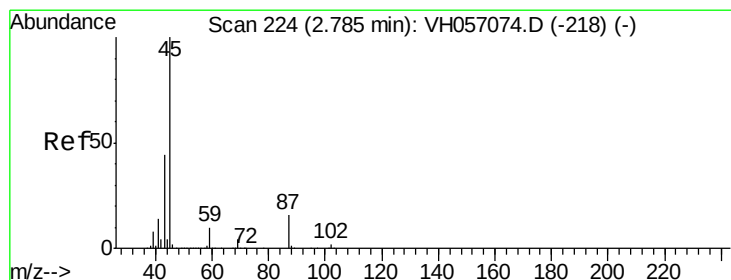
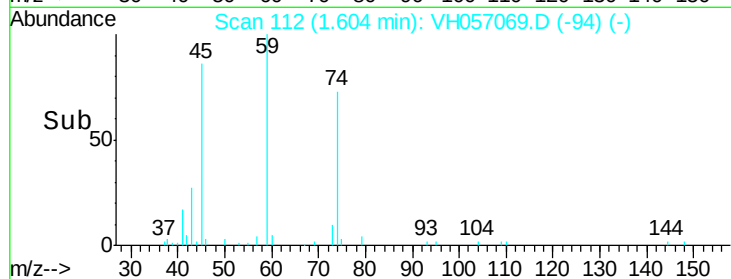
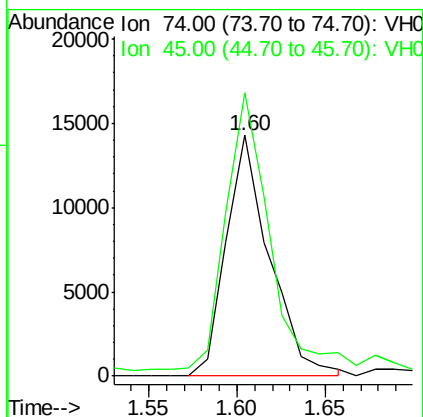
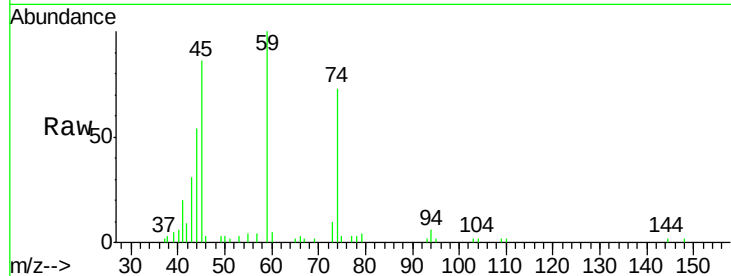
VSTDIC005

Tgt Ion: 74 Resp: 24314

Ion Ratio Lower Upper

74 100

45 117.5 0.0 304.4



#10

Diisopropyl ether

Concen: 4.33 ug/l

RT: 2.77 min Scan# 223

Delta R.T. -0.02 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Tgt Ion: 45 Resp: 175874

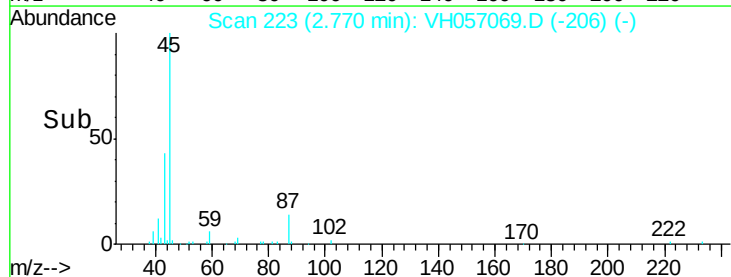
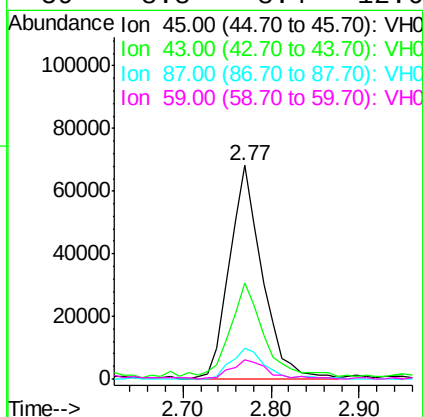
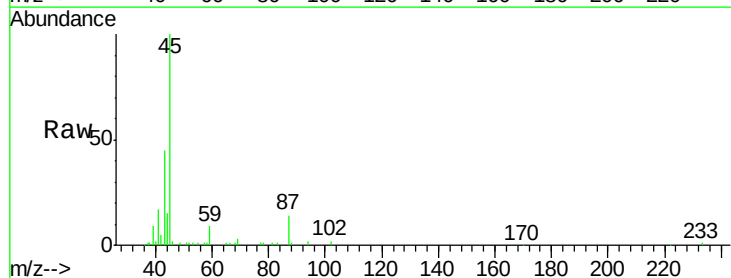
Ion Ratio Lower Upper

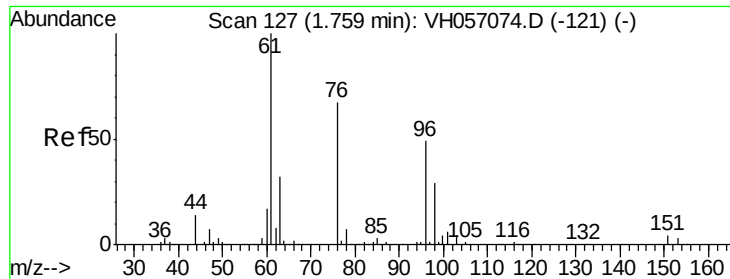
45 100

43 44.9 34.6 52.0

87 14.1 12.6 19.0

59 8.8 8.4 12.6





#11

1,1-Dichloroethene

Concen: 4.76 ug/l

RT: 1.76 min Scan# 127

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

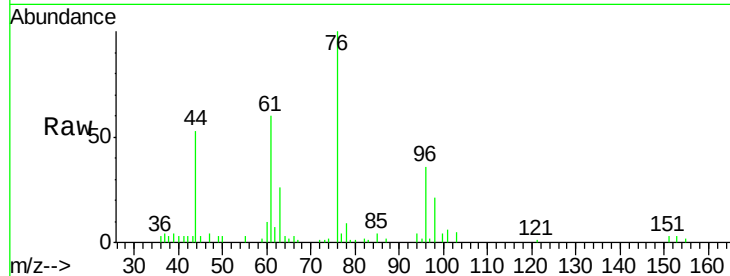
Tgt Ion: 96 Resp: 37792

Ion Ratio Lower Upper

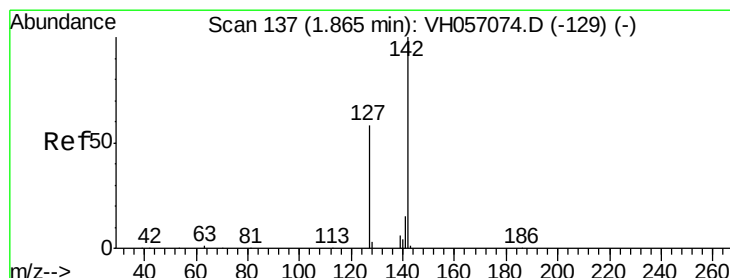
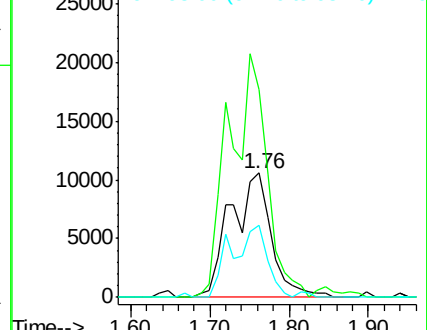
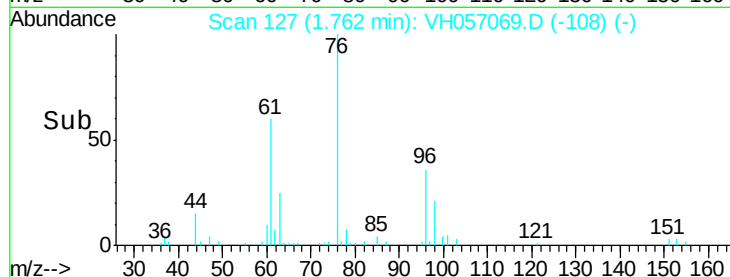
96 100

61 167.4 158.4 237.6

98 57.9 50.6 75.8



Abundance Ion 96.00 (95.70 to 96.70): VH057069.D (-108) (-)



#12

Methyl Iodide

Concen: 3.15 ug/l

RT: 1.87 min Scan# 137

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

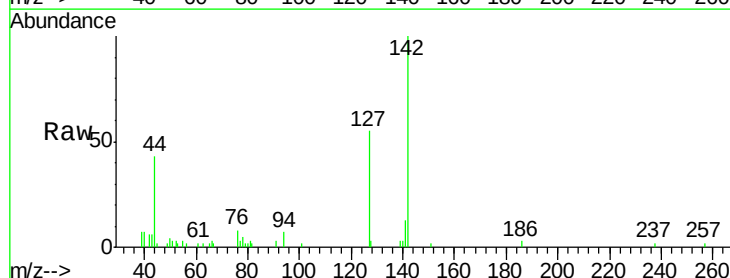
Tgt Ion: 142 Resp: 41394

Ion Ratio Lower Upper

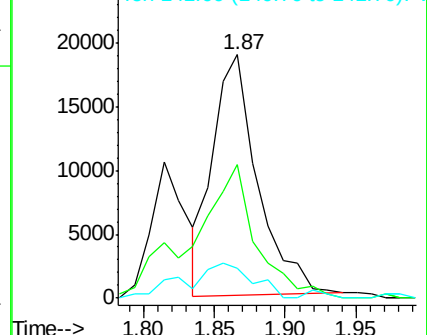
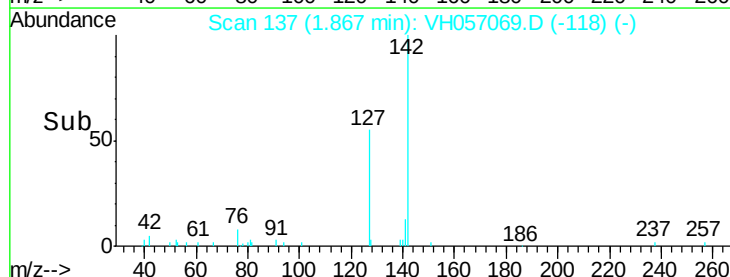
142 100

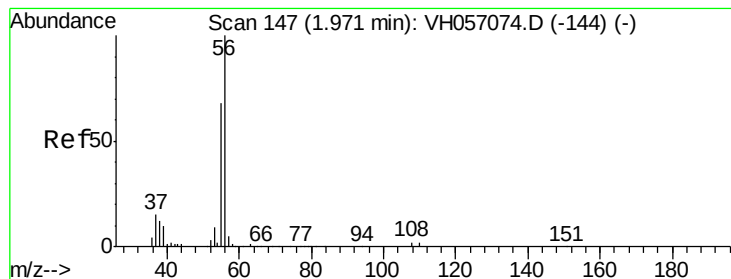
127 54.7 30.0 90.1

141 12.5 7.1 21.4



Abundance Ion 142.00 (141.70 to 142.70): VH057069.D (-118) (-)





#13

Acrolein

Concen: 24.92 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

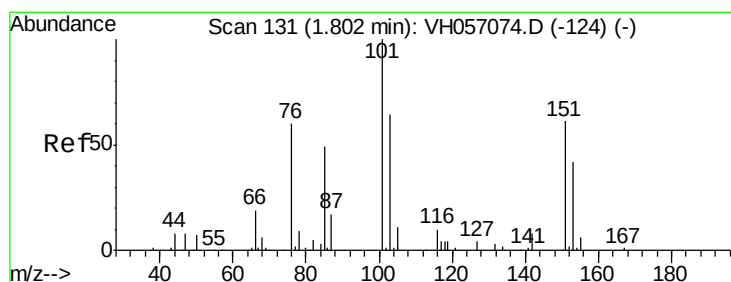
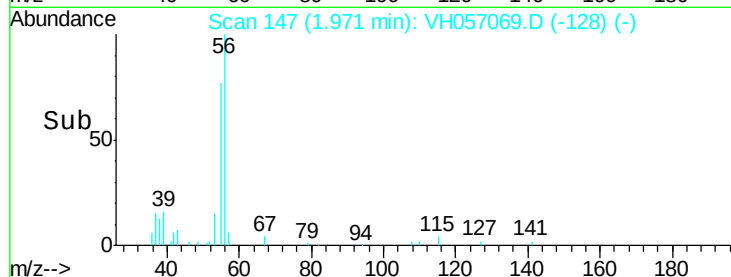
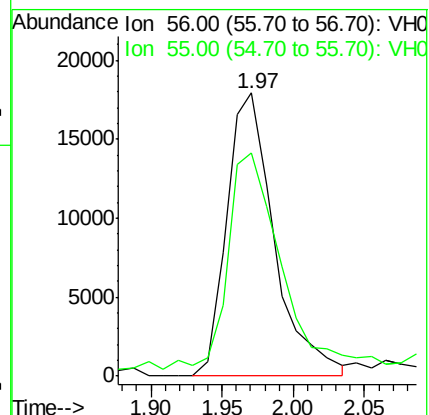
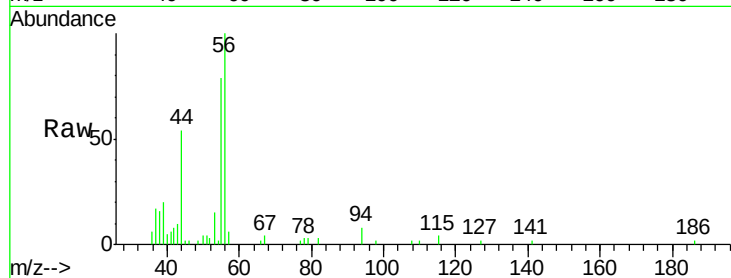
VSTDIC005

Tgt Ion: 56 Resp: 42188

Ion Ratio Lower Upper

56 100

55 79.0 52.9 79.3



#14

1,1,2-Trichlorotrifluoroethane

Concen: 4.20 ug/l

RT: 1.79 min Scan# 130

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

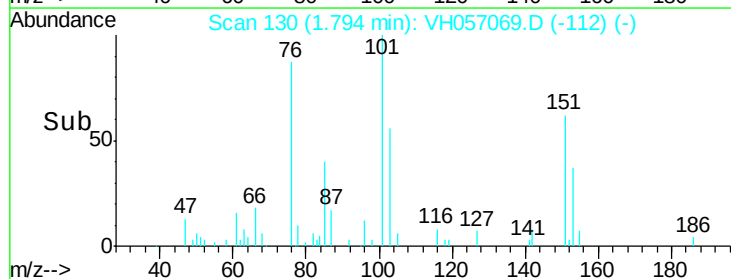
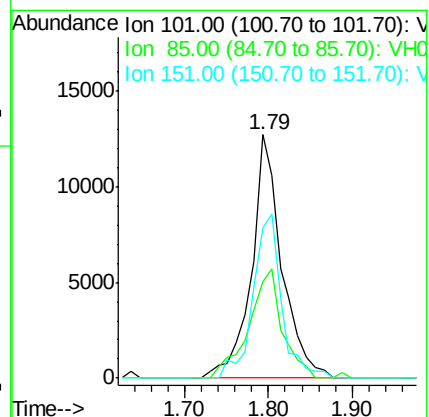
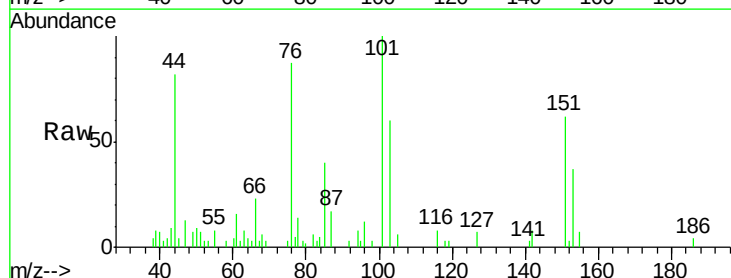
Tgt Ion: 101 Resp: 31970

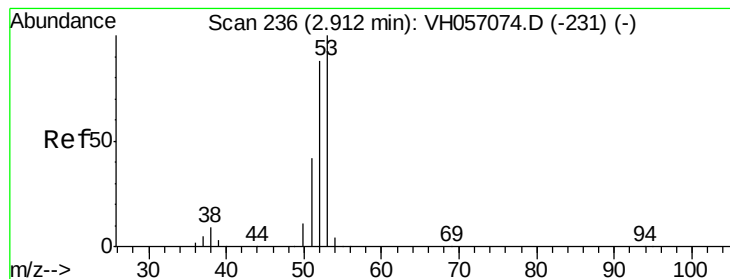
Ion Ratio Lower Upper

101 100

85 39.8 37.9 56.9

151 61.8 50.6 76.0





#15

Acrylonitrile

Concen: 18.97 ug/l

RT: 2.90 min Scan# 235

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

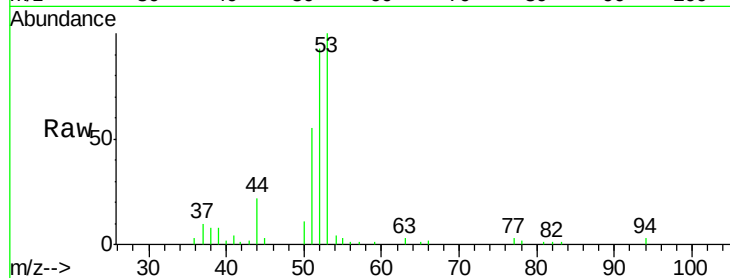
Tgt Ion: 53 Resp: 109932

Ion Ratio Lower Upper

53 100

52 92.7 67.6 101.4

51 54.8 31.8 47.6#



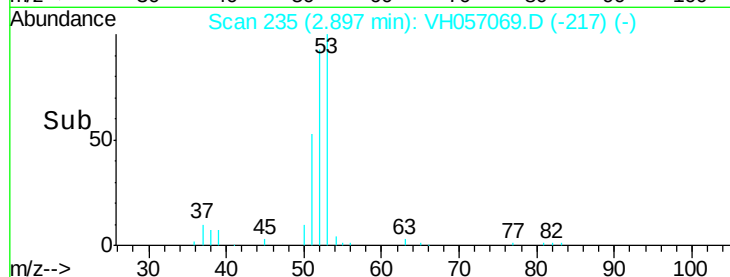
Abundance Ion 53.00 (52.70 to 53.70): VH057074.D (-231) (-)

Ion 52.00 (51.70 to 52.70): VH057074.D (-231) (-)

Ion 51.00 (50.70 to 51.70): VH057074.D (-231) (-)

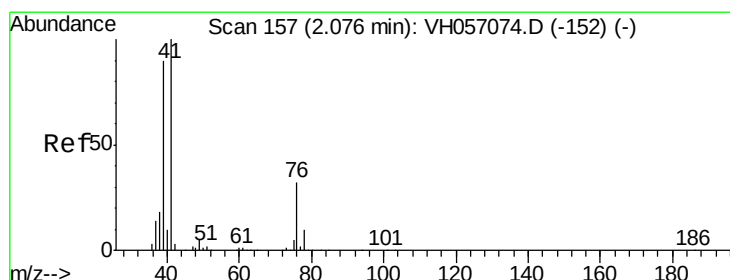
Time-->

2.80 2.85 2.90 2.95 3.00



Time-->

2.80 2.85 2.90 2.95 3.00



#16

Allyl Chloride

Concen: 3.78 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

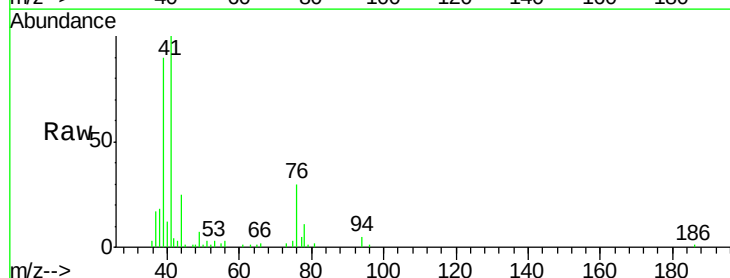
Tgt Ion: 41 Resp: 68888

Ion Ratio Lower Upper

41 100

39 89.9 41.0 123.2

76 30.3 14.3 42.9



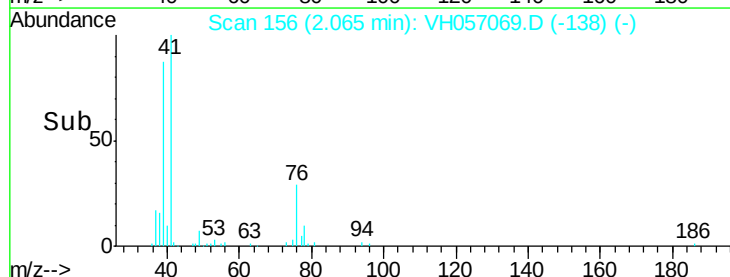
Abundance Ion 41.00 (40.70 to 41.70): VH057074.D (-152) (-)

Ion 39.00 (38.70 to 39.70): VH057074.D (-152) (-)

Ion 76.00 (75.70 to 76.70): VH057074.D (-152) (-)

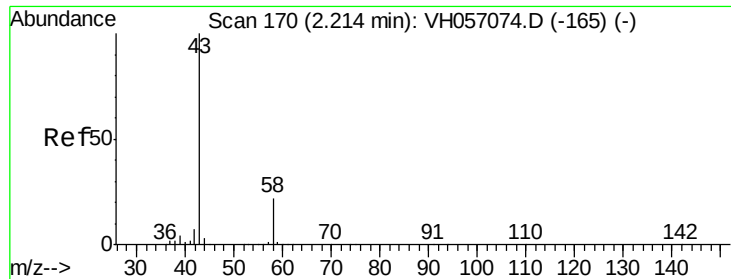
Time-->

2.00 2.05 2.10 2.15



Time-->

2.00 2.05 2.10 2.15



#17

Acetone

Concen: 33.85 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

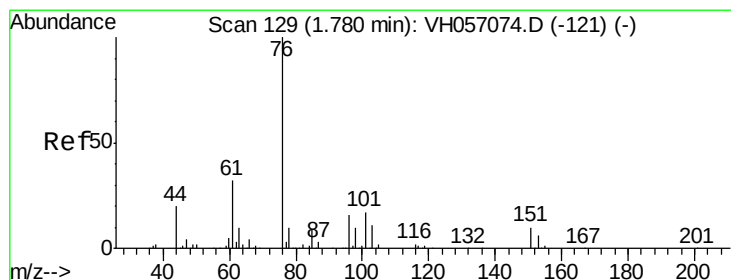
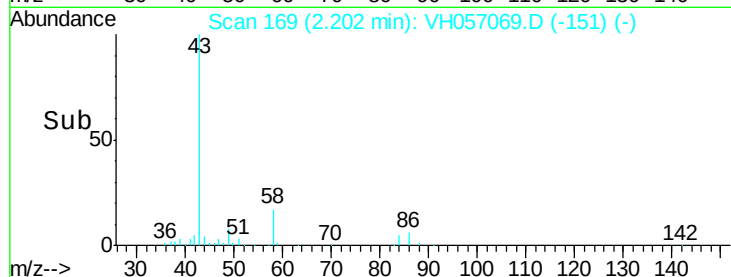
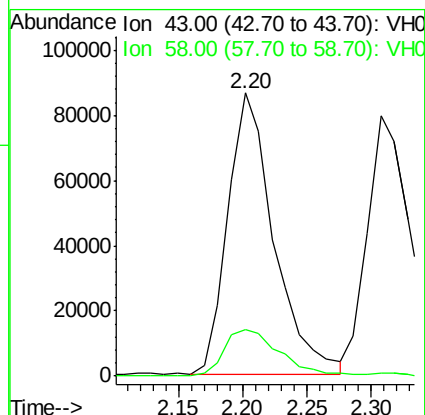
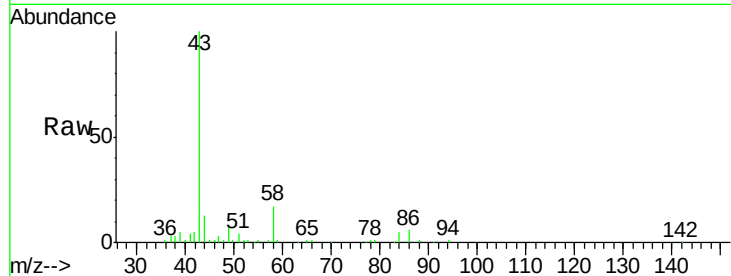
VSTDIC005

Tgt Ion: 43 Resp: 215700

Ion Ratio Lower Upper

43 100

58 16.6 17.7 26.5#



#18

Carbon Disulfide

Concen: 3.92 ug/l

RT: 1.76 min Scan# 127

Delta R.T. -0.02 min

Lab File: VH057069.D

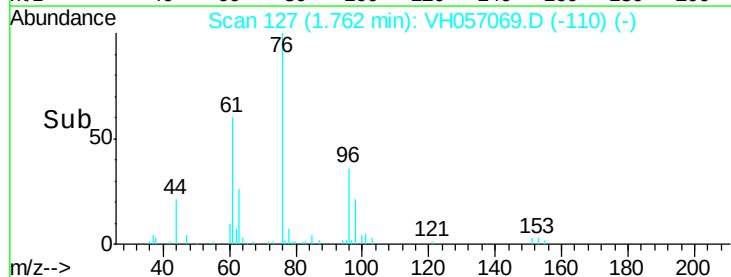
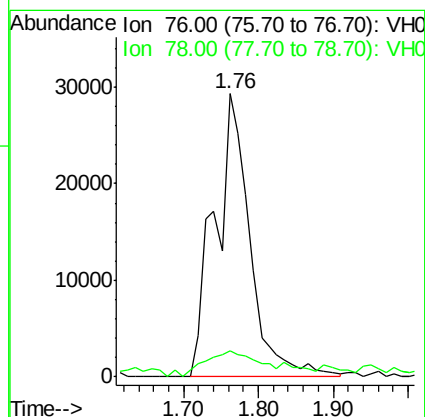
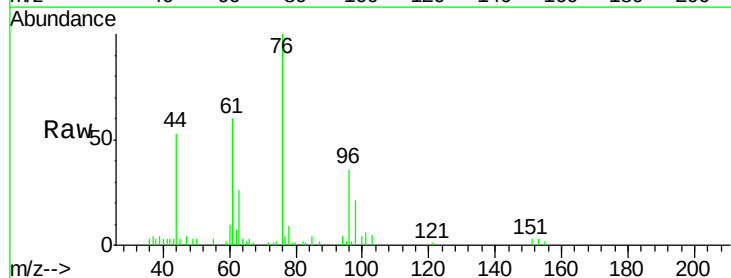
Acq: 17 Sep 2015 16:46

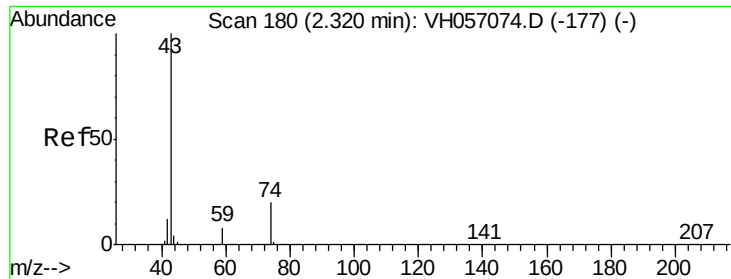
Tgt Ion: 76 Resp: 95652

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

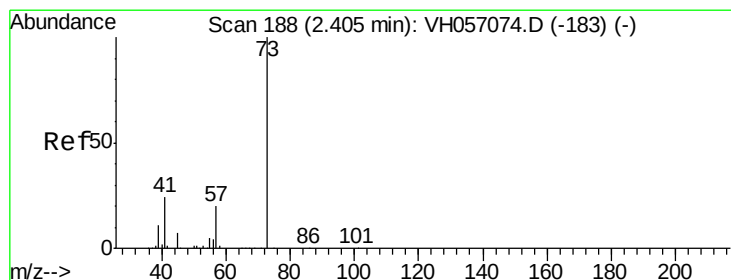
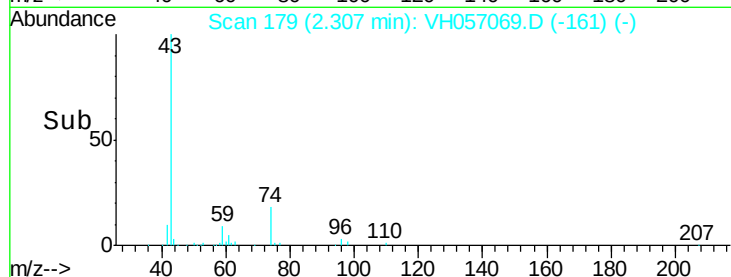
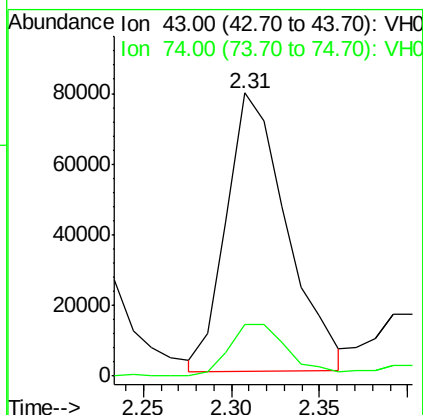
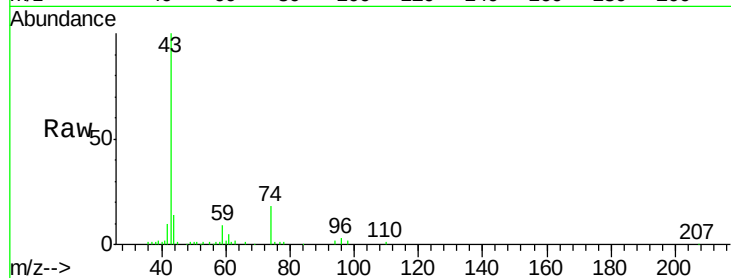




#19
Methyl Acetate
Concen: 4.11 ug/l
RT: 2.31 min Scan# 179
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

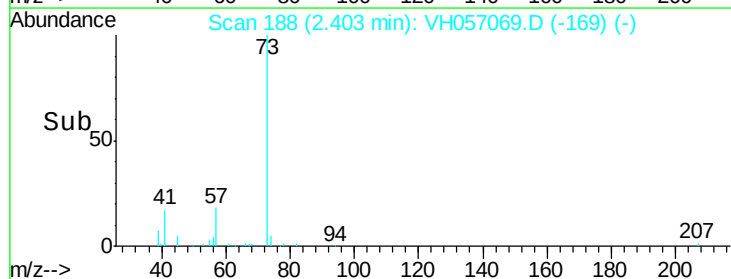
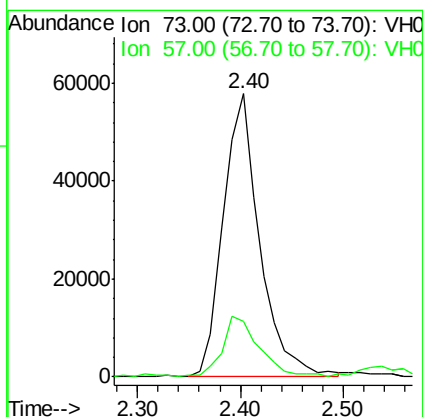
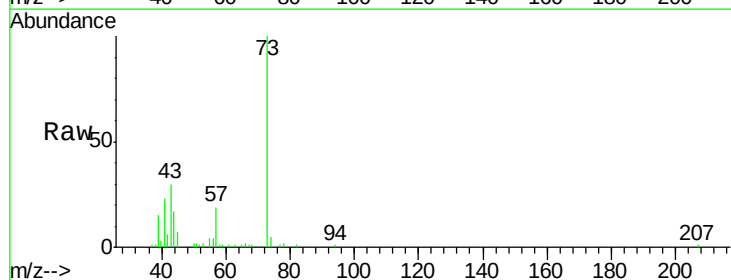
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

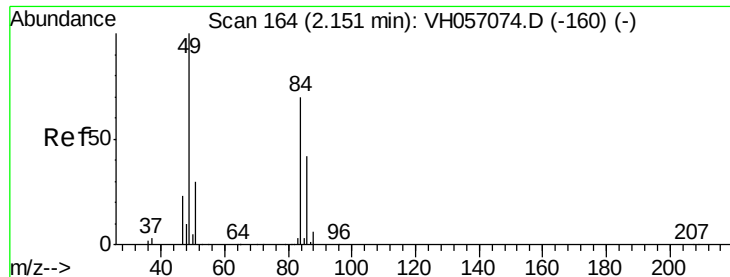
Tgt Ion: 43 Resp: 186667
Ion Ratio Lower Upper
43 100
74 18.0 13.3 24.7



#20
Methyl tert-butyl Ether
Concen: 4.60 ug/l
RT: 2.40 min Scan# 188
Delta R.T. -0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 73 Resp: 142481
Ion Ratio Lower Upper
73 100
57 19.4 18.0 27.0

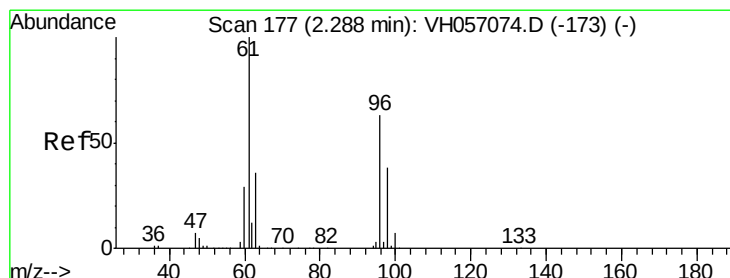
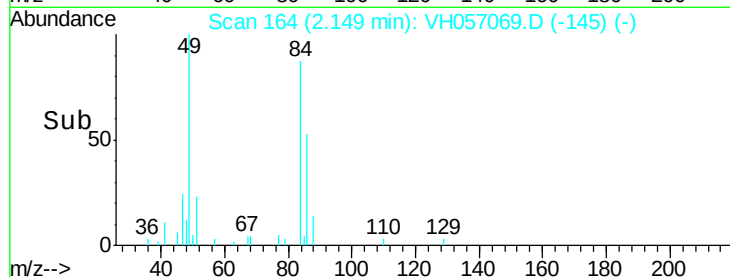
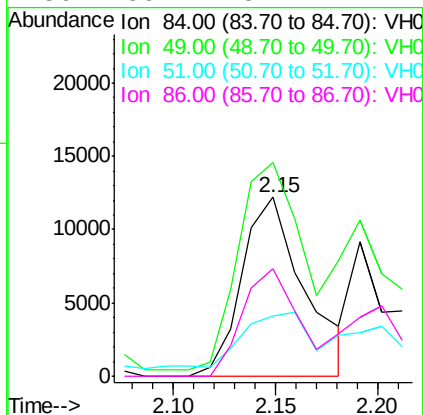
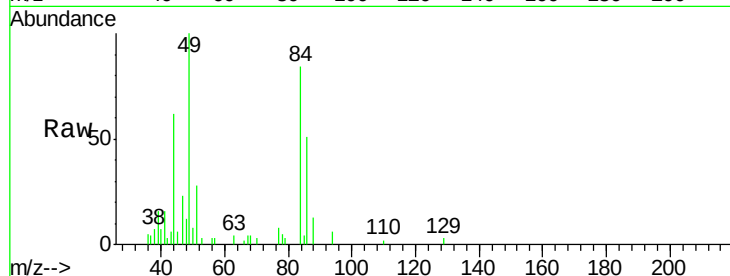




#21
Methylene Chloride
Concen: 2.84 ug/l
RT: 2.15 min Scan# 164
Delta R.T. -0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

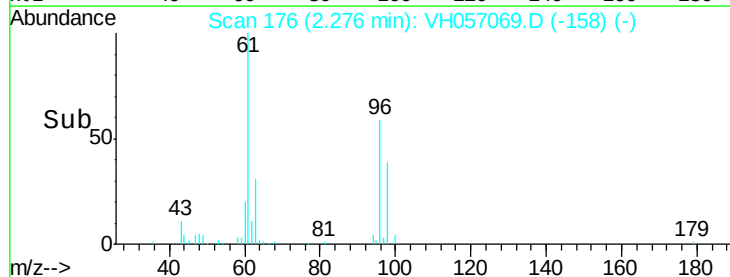
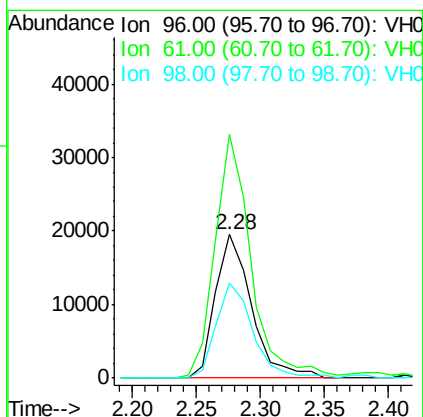
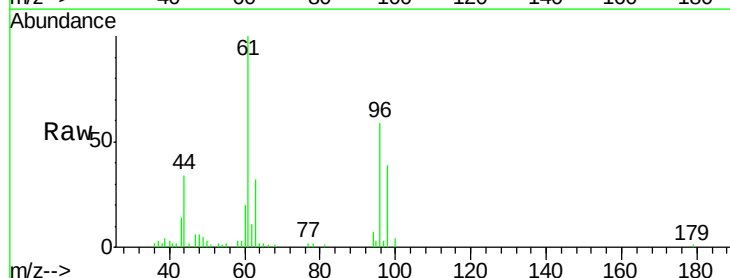
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

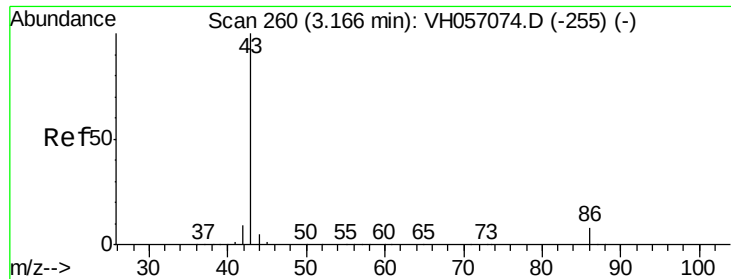
Tgt Ion: 84 Resp: 25670
Ion Ratio Lower Upper
84 100
49 119.5 132.8 199.2#
51 34.0 39.5 59.3#
86 60.4 51.4 77.2



#22
trans-1,2-Dichloroethene
Concen: 4.35 ug/l
RT: 2.28 min Scan# 176
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 96 Resp: 38113
Ion Ratio Lower Upper
96 100
61 169.7 131.7 197.5
98 66.7 49.5 74.3





#23

Vinyl Acetate

Concen: 23.50 ug/l

RT: 3.15 min Scan# 259

Delta R.T. -0.02 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

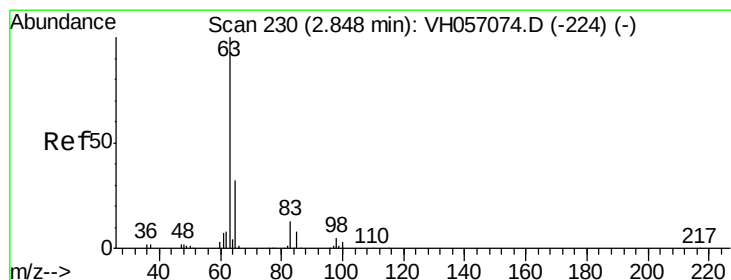
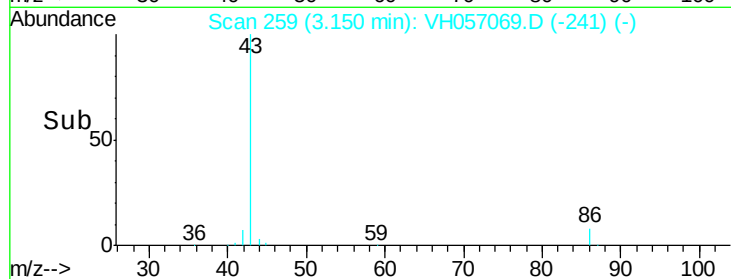
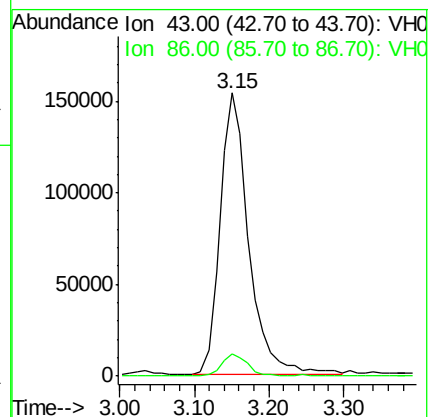
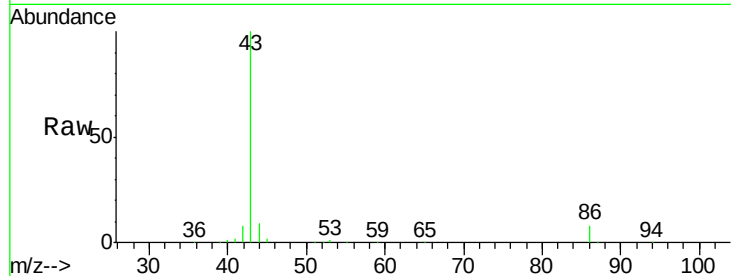
VSTDIC005

Tgt Ion: 43 Resp: 417933

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2



#24

1,1-Dichloroethane

Concen: 4.45 ug/l

RT: 2.83 min Scan# 229

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

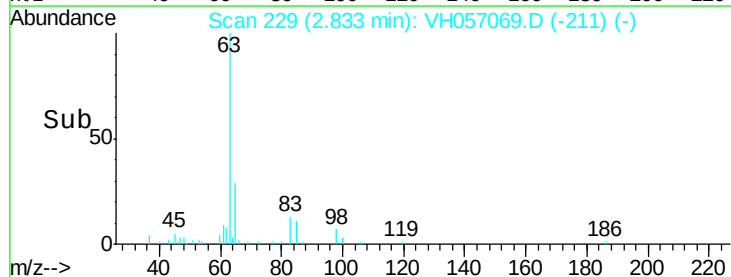
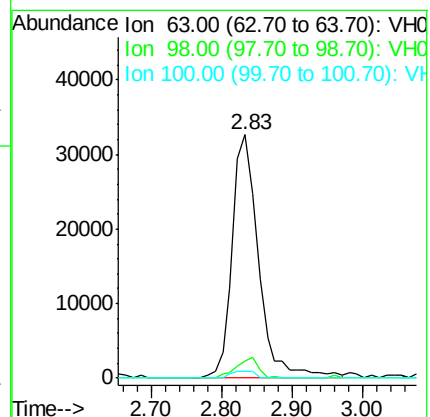
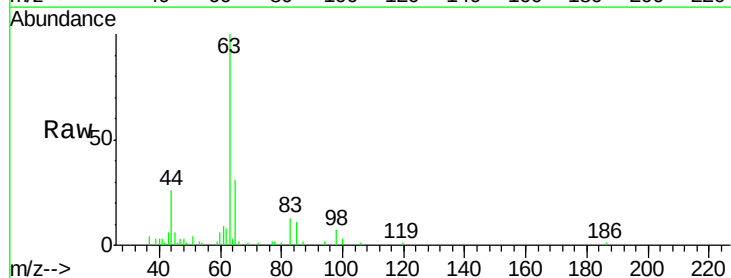
Tgt Ion: 63 Resp: 84650

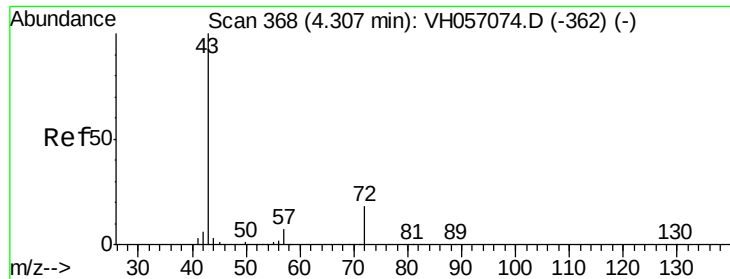
Ion Ratio Lower Upper

63 100

98 6.8 2.6 7.8

100 2.7 1.7 5.0





#25

2-Butanone

Concen: 24.69 ug/l

RT: 4.29 min Scan# 367

Delta R.T. -0.02 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampled :

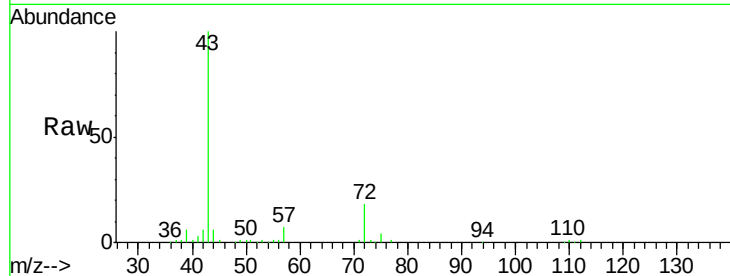
VSTDIC005

Tgt Ion: 43 Resp: 347287

Ion Ratio Lower Upper

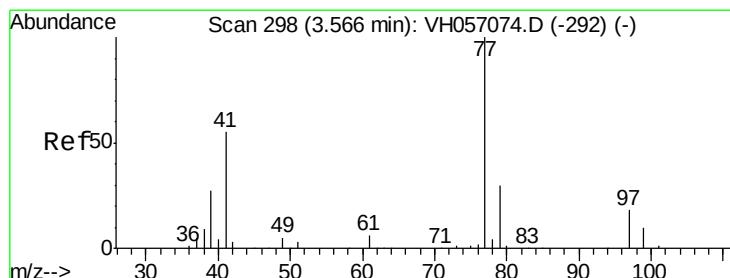
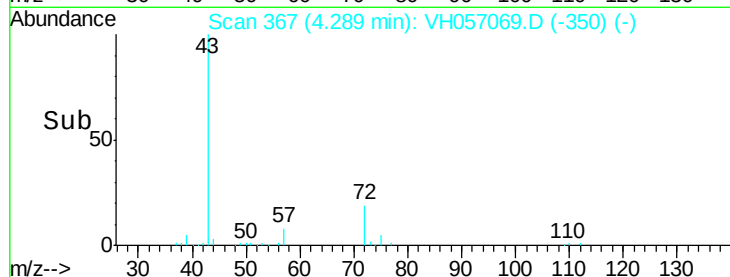
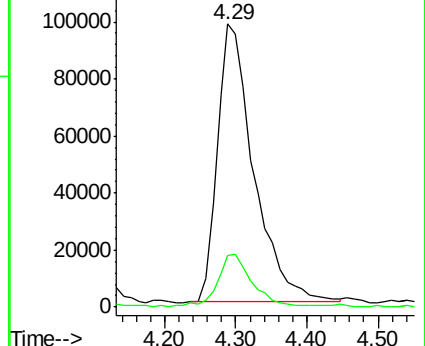
43 100

72 18.3 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0



#26

2,2-Dichloropropane

Concen: 5.03 ug/l

RT: 3.55 min Scan# 297

Delta R.T. -0.02 min

Lab File: VH057069.D

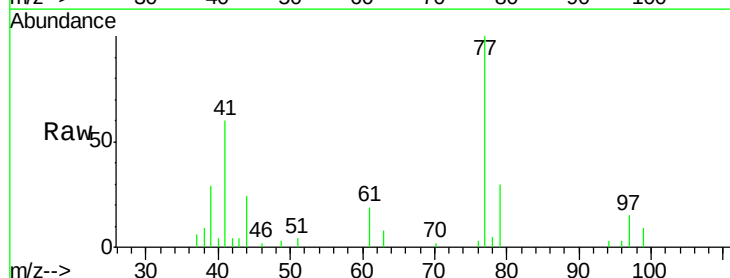
Acq: 17 Sep 2015 16:46

Tgt Ion: 77 Resp: 52638

Ion Ratio Lower Upper

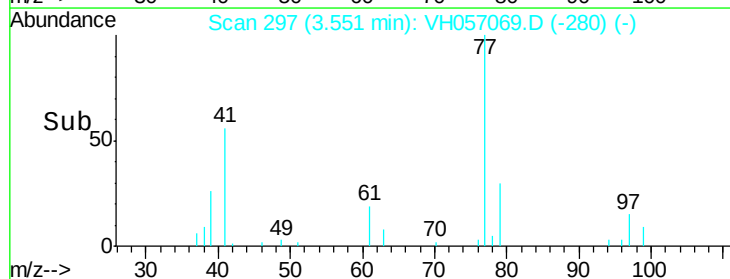
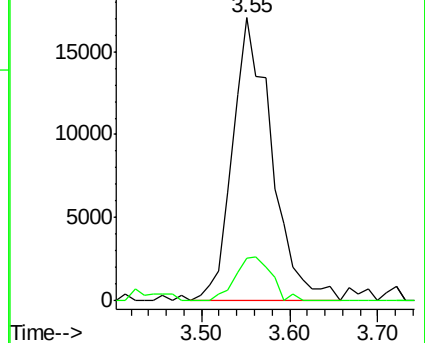
77 100

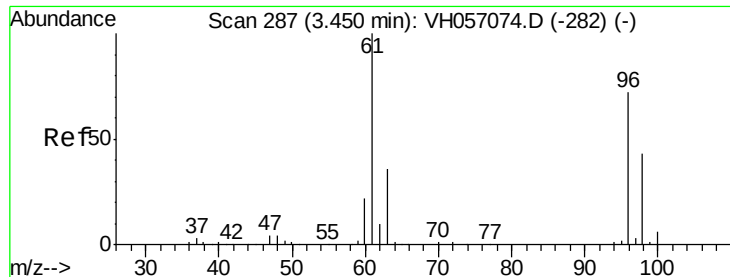
97 15.1 8.8 26.4



Abundance Ion 77.00 (76.70 to 77.70): VH0

Ion 97.00 (96.70 to 97.70): VH0





#27

cis-1,2-Dichloroethene

Concen: 4.86 ug/l

RT: 3.44 min Scan# 286

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

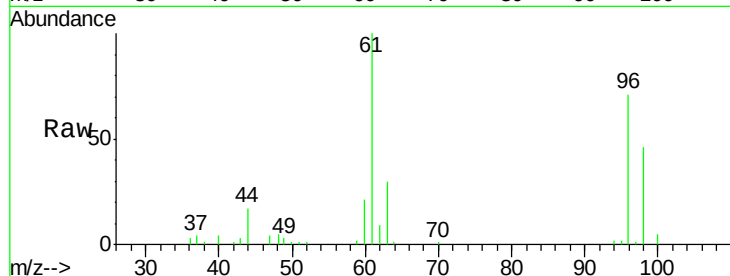
Tgt Ion: 96 Resp: 53674

Ion Ratio Lower Upper

96 100

61 141.8 115.4 173.0

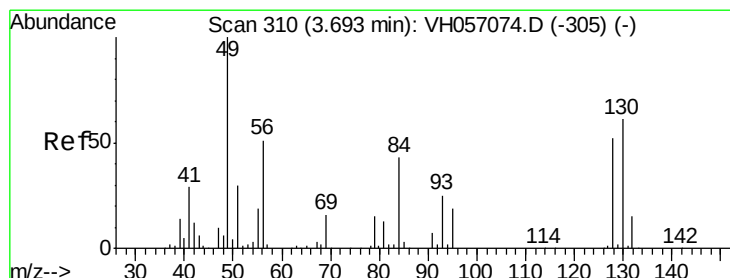
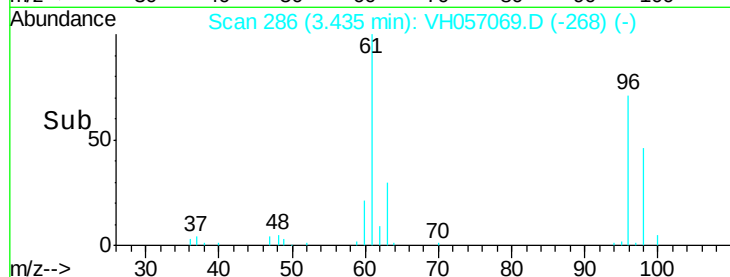
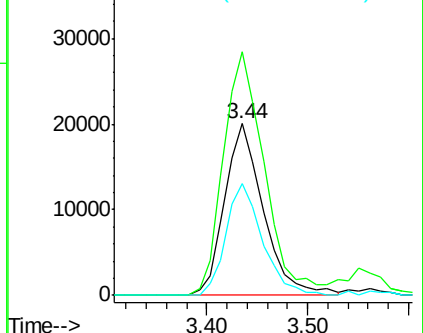
98 64.9 49.7 74.5



Abundance Ion 96.00 (95.70 to 96.70): VH057074.D (-282) (-)

Ion 61.00 (60.70 to 61.70): VH057074.D (-282) (-)

Ion 98.00 (97.70 to 98.70): VH057074.D (-282) (-)



#28

Bromochloromethane

Concen: 3.75 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

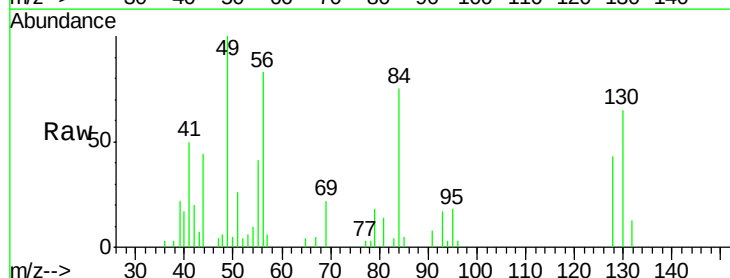
Tgt Ion: 128 Resp: 15449

Ion Ratio Lower Upper

128 100

49 232.4 0.0 441.4

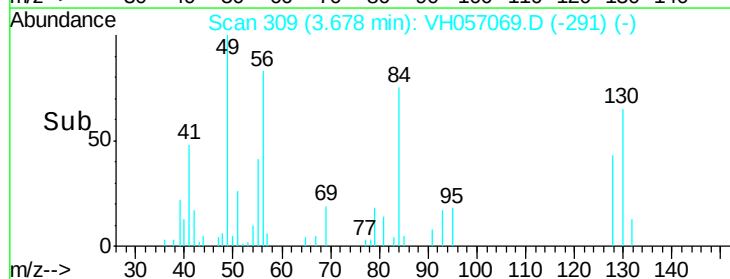
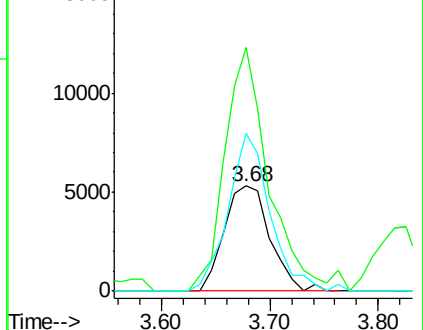
130 150.8 100.7 151.1

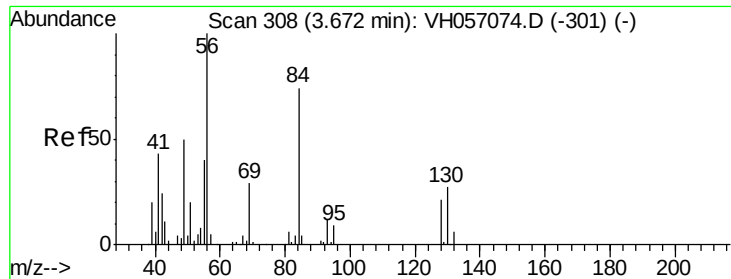


Abundance Ion 128.00 (127.70 to 128.70): VH057074.D (-305) (-)

Ion 49.00 (48.70 to 49.70): VH057074.D (-305) (-)

Ion 130.00 (129.70 to 130.70): VH057074.D (-305) (-)

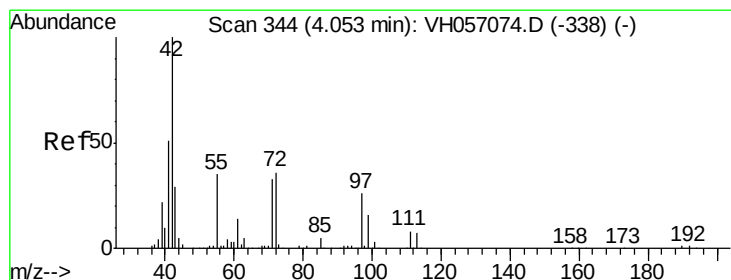
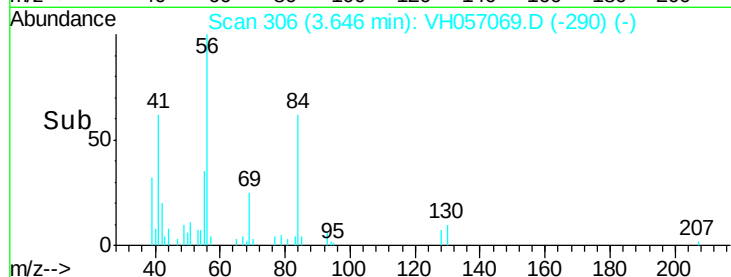
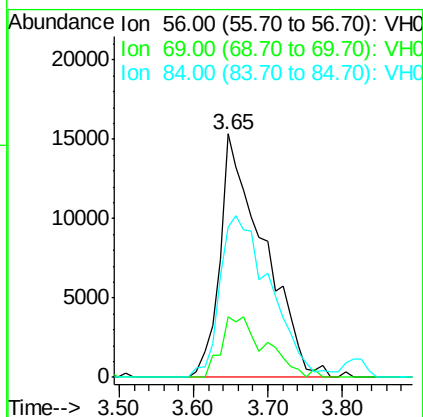
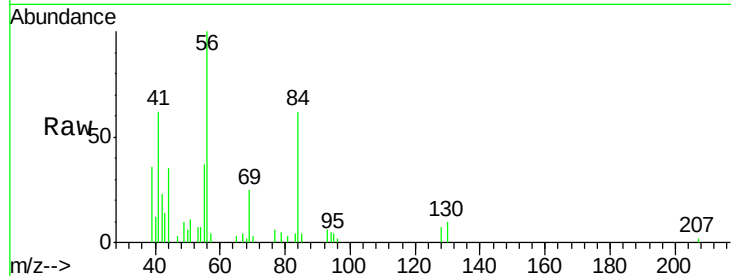




#30
Cyclohexane
Concen: 4.33 ug/l
RT: 3.65 min Scan# 306
Delta R.T. -0.03 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

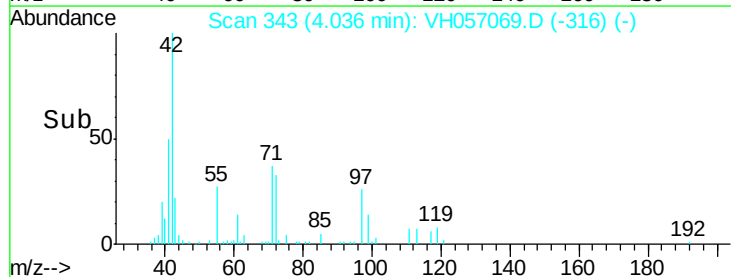
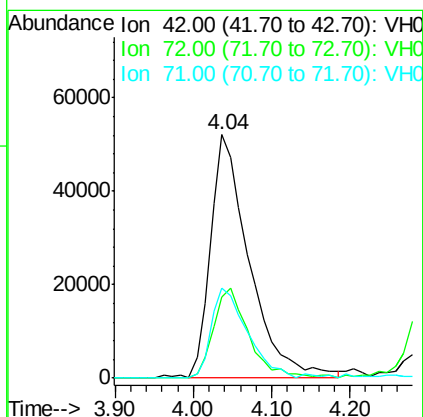
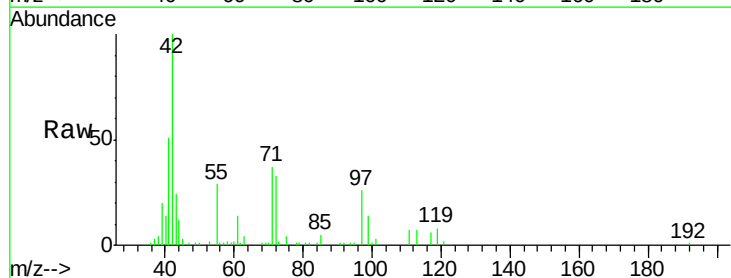
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

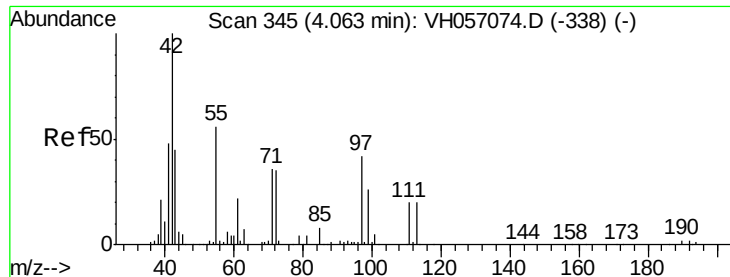
Tgt Ion: 56 Resp: 62916
Ion Ratio Lower Upper
56 100
69 25.0 18.1 33.7
84 61.9 0.0 136.8



#31
Tetrahydrofuran
Concen: 21.84 ug/l
RT: 4.04 min Scan# 343
Delta R.T. -0.02 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 42 Resp: 178521
Ion Ratio Lower Upper
42 100
72 33.9 25.5 38.3
71 34.3 25.4 38.0





#32

1,1,1-Trichloroethane

Concen: 5.16 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampled :

VSTDIC005

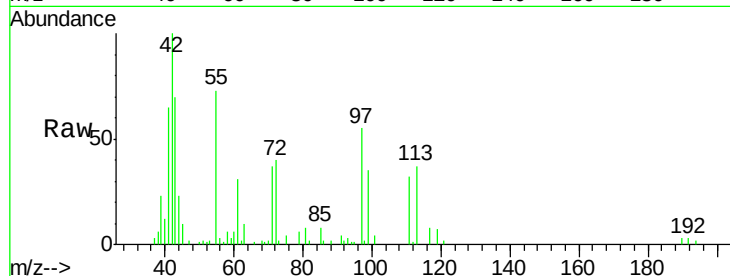
Tgt Ion: 97 Resp: 71472

Ion Ratio Lower Upper

97 100

99 64.2 49.8 74.6

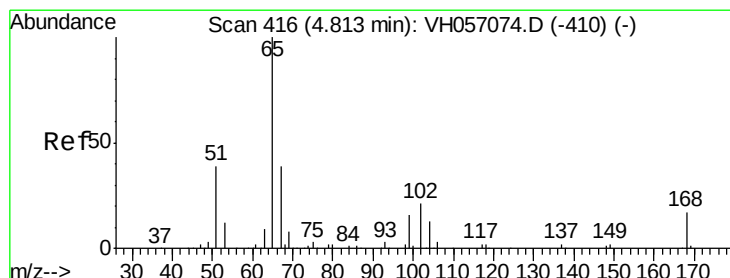
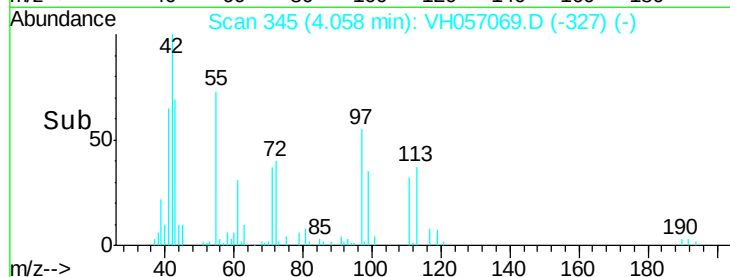
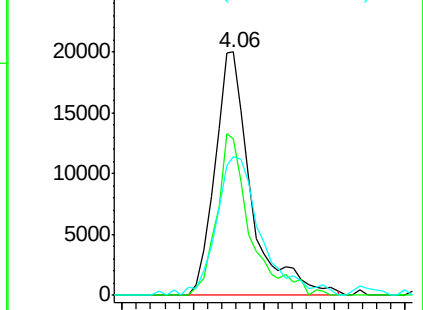
61 56.9 45.0 67.4



Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 99.00 (98.70 to 99.70): VH0

Ion 61.00 (60.70 to 61.70): VH0



#33

1,2-Dichloroethane-d4

Concen: 4.40 ug/l

RT: 4.80 min Scan# 416

Delta R.T. -0.01 min

Lab File: VH057069.D

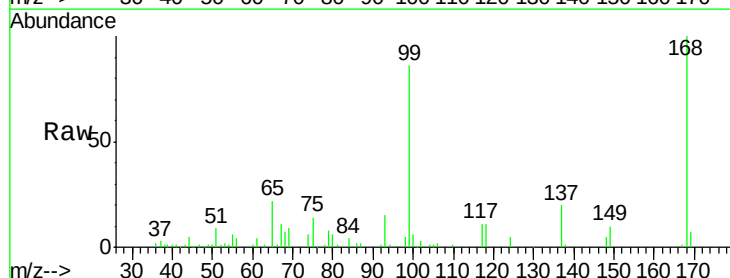
Acq: 17 Sep 2015 16:46

Tgt Ion: 65 Resp: 54270

Ion Ratio Lower Upper

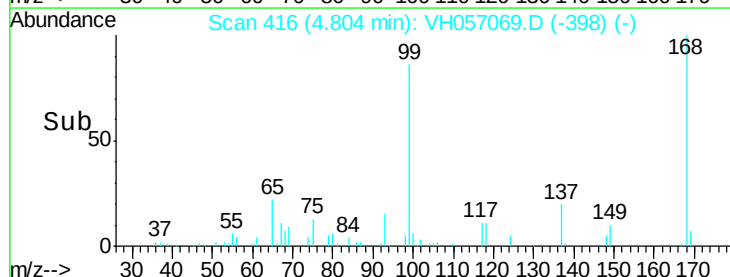
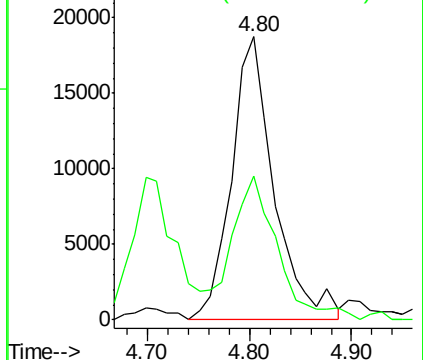
65 100

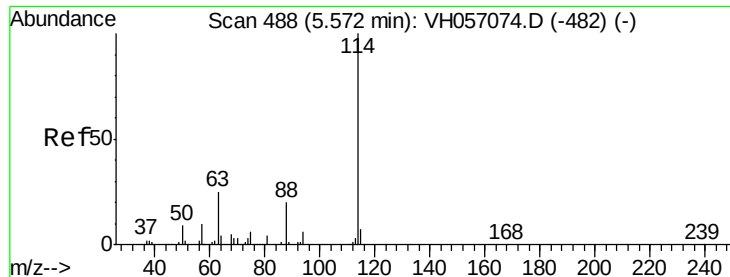
67 50.7 43.2 64.8



Abundance Ion 65.00 (64.70 to 65.70): VH0

Ion 67.00 (66.70 to 67.70): VH0

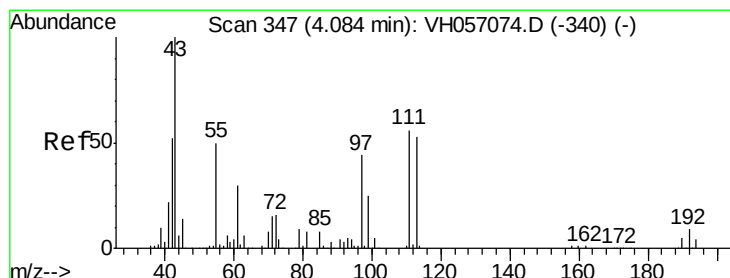
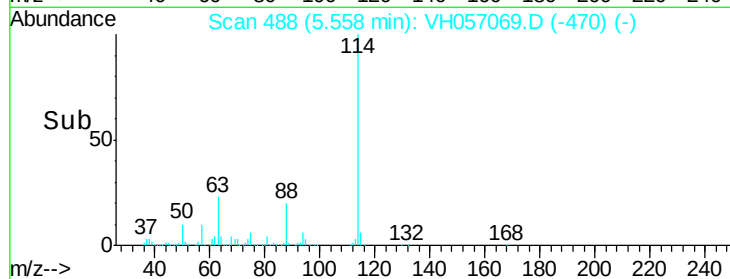
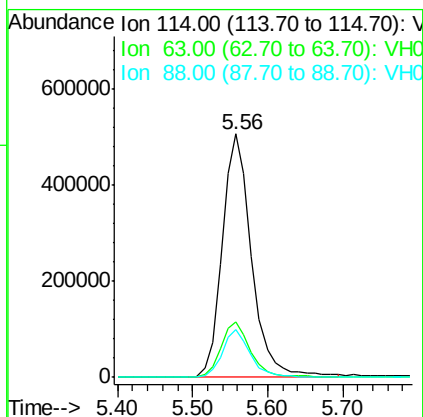
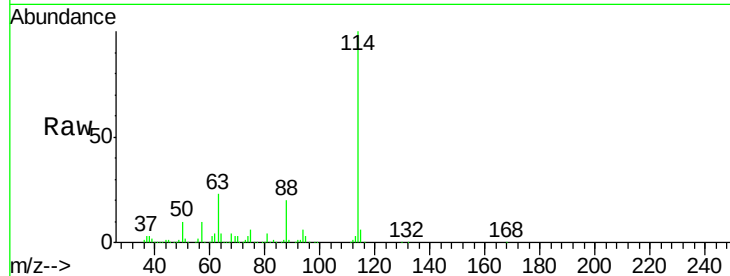




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

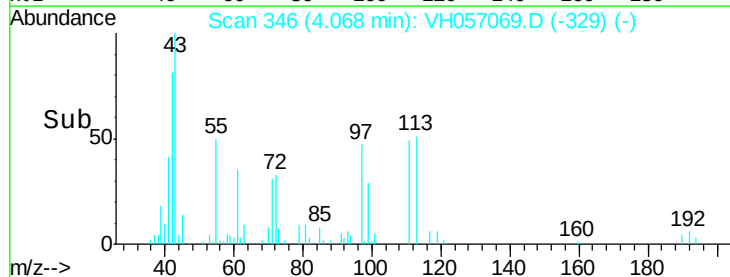
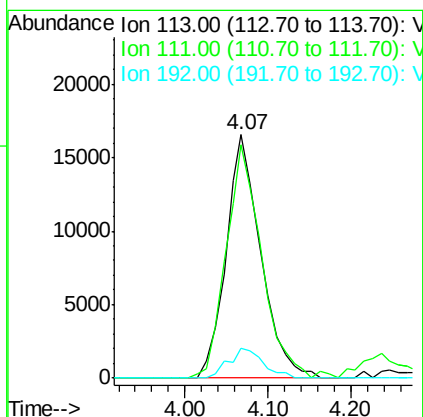
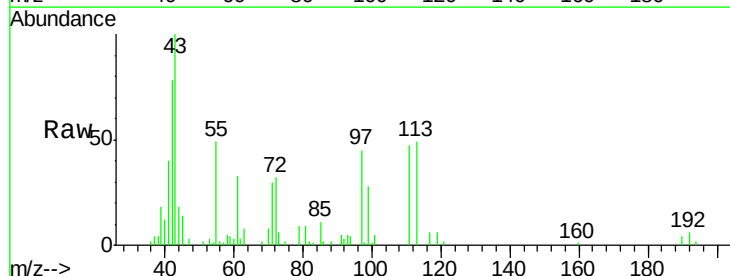
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

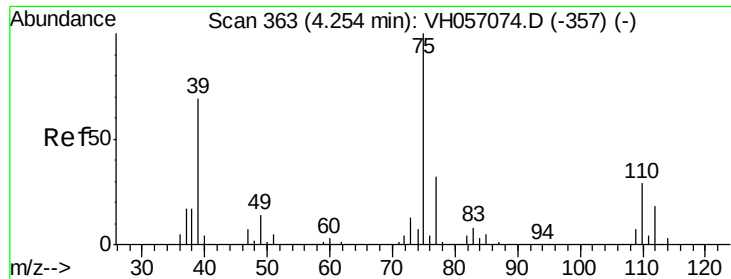
Tgt Ion:114 Resp: 1396654
 Ion Ratio Lower Upper
 114 100
 63 22.5 19.0 28.4
 88 19.8 15.7 23.5



#35
 Dibromofluoromethane
 Concen: 4.77 ug/l
 RT: 4.07 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

Tgt Ion:113 Resp: 48200
 Ion Ratio Lower Upper
 113 100
 111 95.7 84.0 126.0
 192 12.4 13.6 20.4#

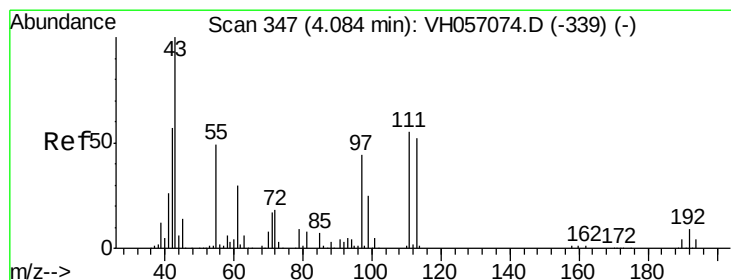
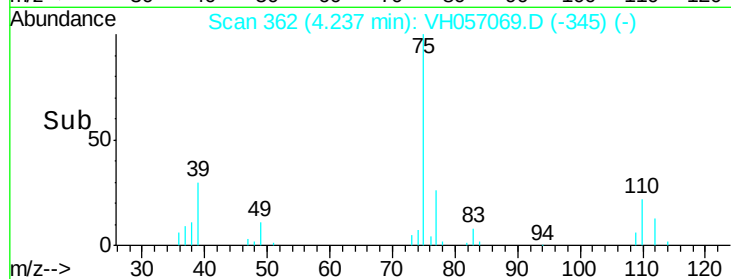
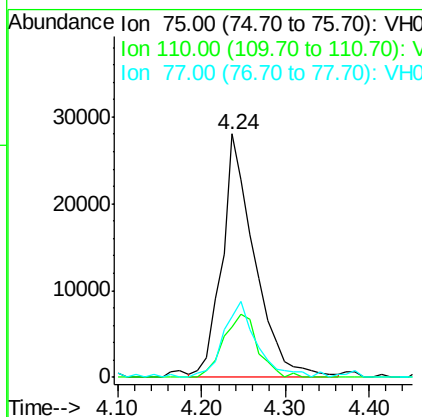
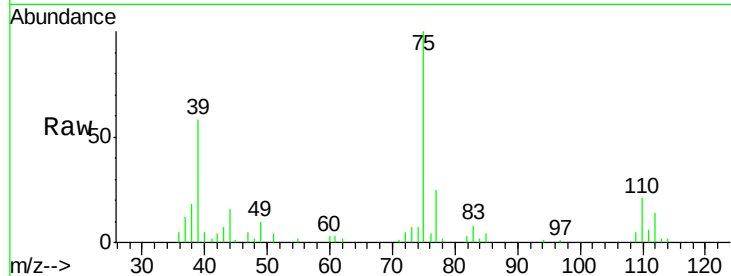




#36
 1,1-Dichloropropene
 Concen: 5.34 ug/l
 RT: 4.24 min Scan# 362
 Delta R.T. -0.02 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

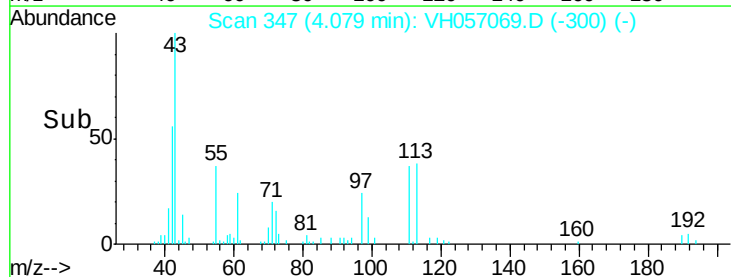
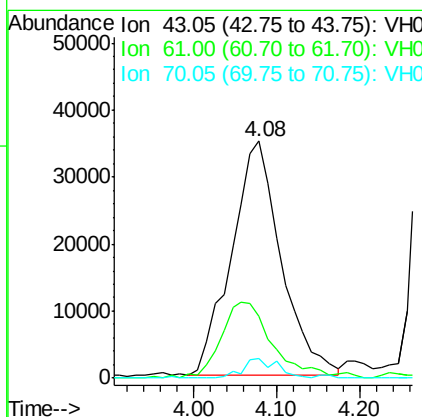
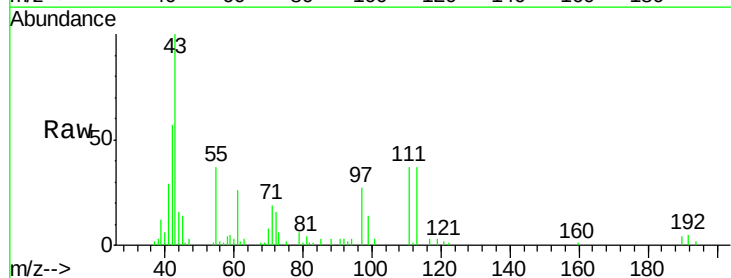
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

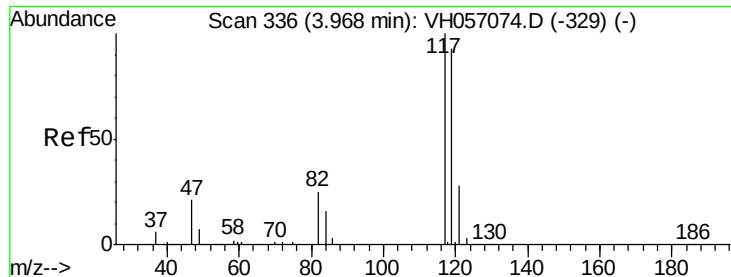
Tgt Ion: 75 Resp: 76450
 Ion Ratio Lower Upper
 75 100
 110 20.7 13.7 41.1
 77 25.0 24.0 36.0



#37
 Ethyl acetate
 Concen: 4.85 ug/l
 RT: 4.08 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

Tgt Ion: 43 Resp: 145256
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.9 35.9#
 70 5.8 5.4 8.0





#38

Carbon Tetrachloride

Concen: 5.03 ug/l

RT: 3.94 min Scan# 334

Delta R.T. -0.03 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

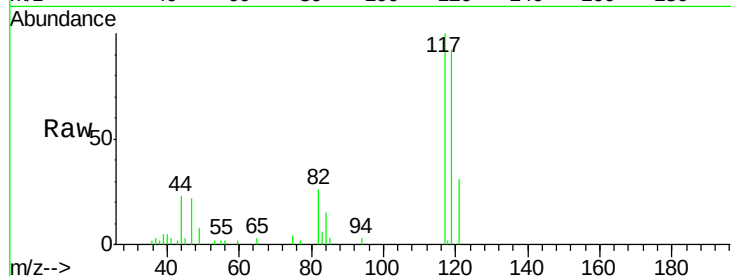
Tgt Ion:117 Resp: 56733

Ion Ratio Lower Upper

117 100

119 91.6 78.7 118.1

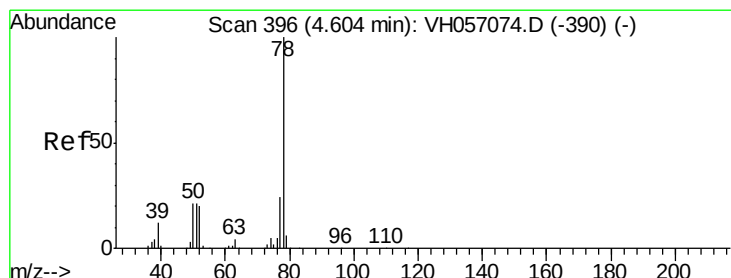
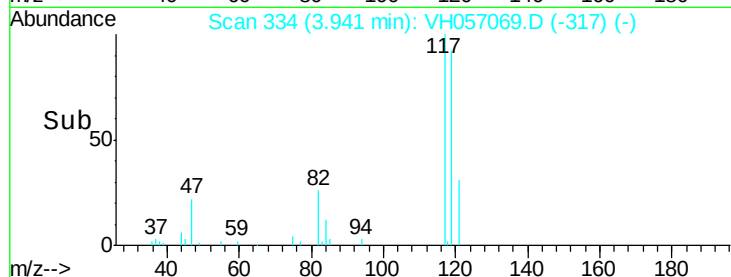
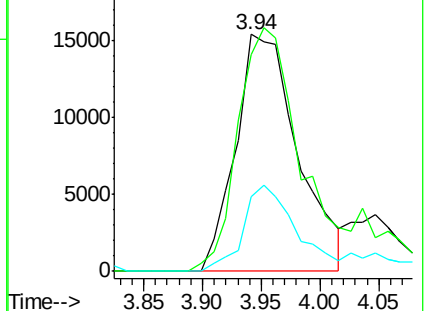
121 31.3 25.9 38.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Benzene

Concen: 5.09 ug/l

RT: 4.59 min Scan# 396

Delta R.T. -0.01 min

Lab File: VH057069.D

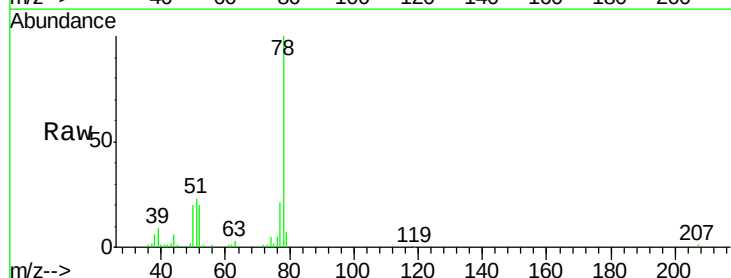
Acq: 17 Sep 2015 16:46

Tgt Ion: 78 Resp: 183022

Ion Ratio Lower Upper

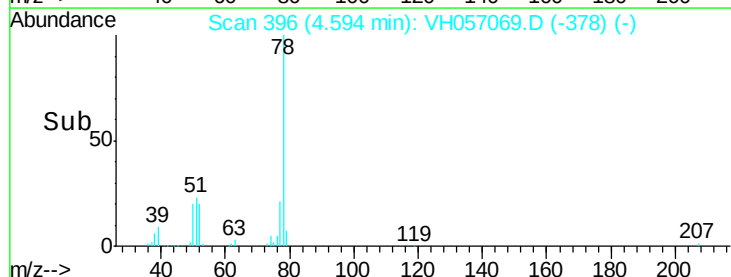
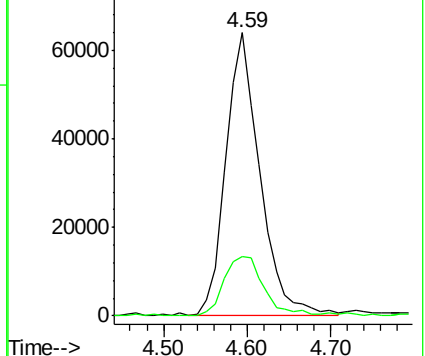
78 100

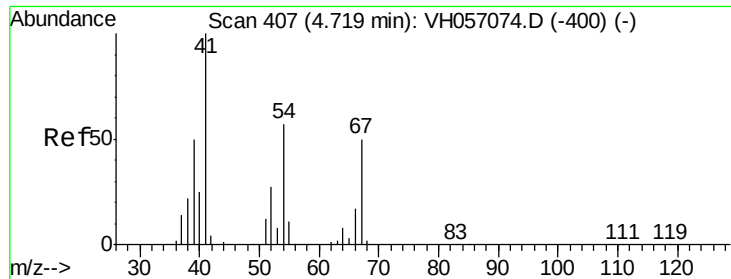
77 21.1 18.5 27.7



Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V





#40

Methacrylonitrile

Concen: 4.19 ug/l

RT: 4.70 min Scan# 406

Delta R.T. -0.02 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampled :

VSTDIC005

Tgt Ion: 41 Resp: 58256

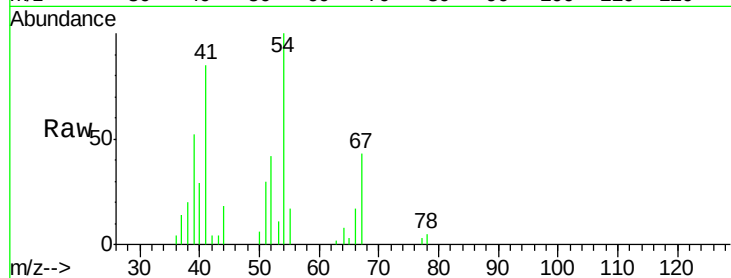
Ion Ratio Lower Upper

41 100

39 61.6 25.1 75.2

67 50.5 22.5 67.5

52 49.3 19.0 57.0

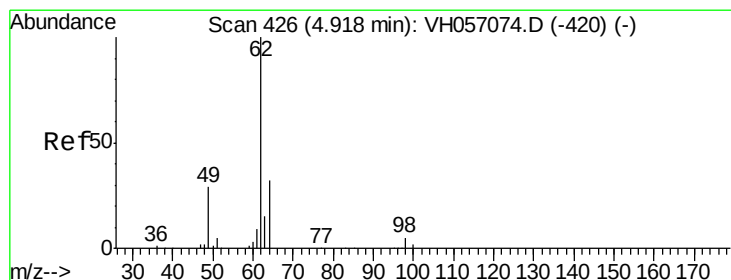
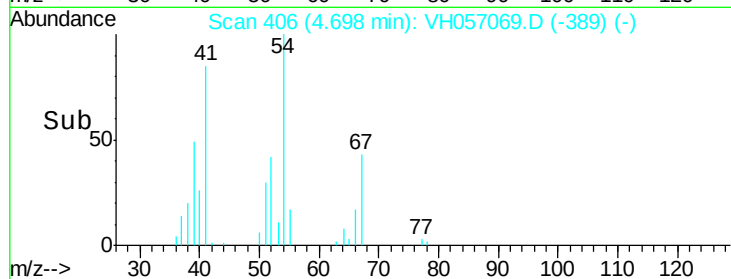
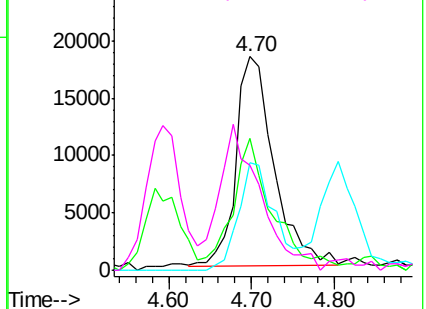


Abundance Ion 41.00 (40.70 to 41.70): VH0

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



#41

1,2-Dichloroethane

Concen: 5.26 ug/l

RT: 4.90 min Scan# 425

Delta R.T. -0.02 min

Lab File: VH057069.D

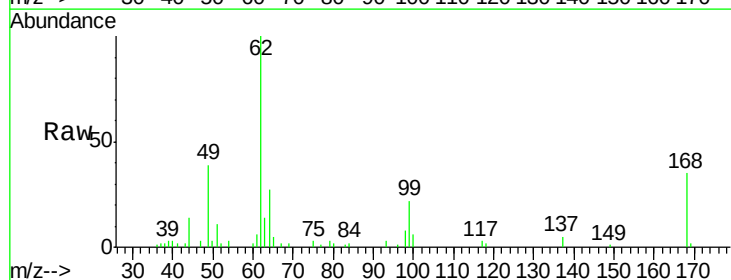
Acq: 17 Sep 2015 16:46

Tgt Ion: 62 Resp: 81068

Ion Ratio Lower Upper

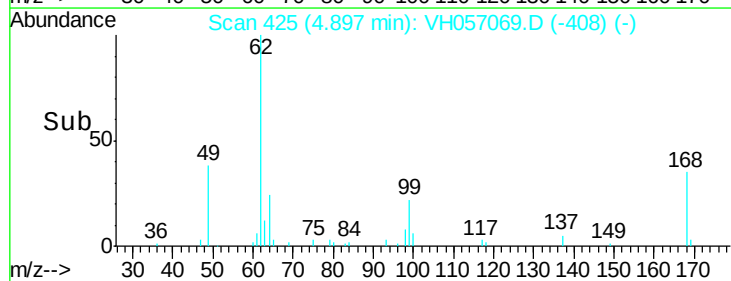
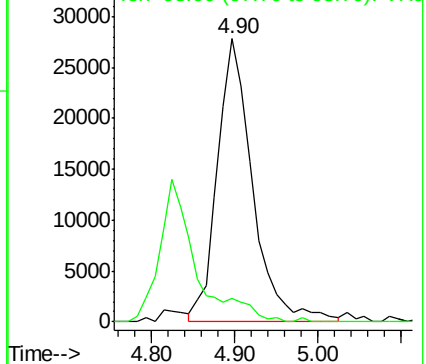
62 100

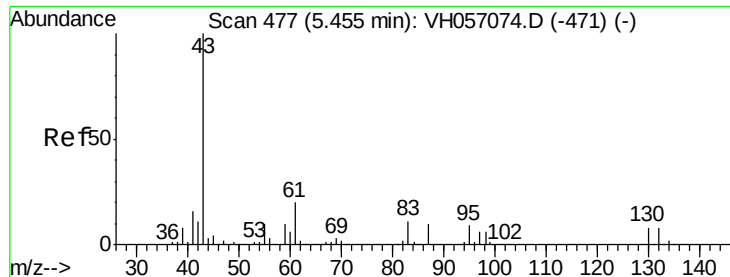
98 8.3 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 98.00 (97.70 to 98.70): VH0





#42

Isopropyl Acetate

Concen: 4.87 ug/l

RT: 5.45 min Scan# 478

Delta R.T. -0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

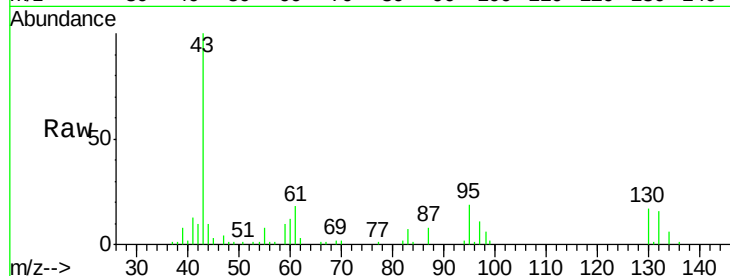
Tgt Ion: 43 Resp: 188485

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.6

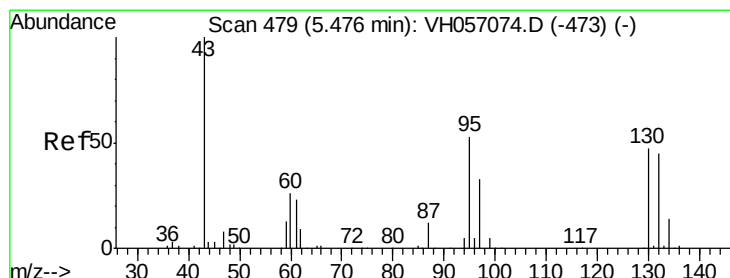
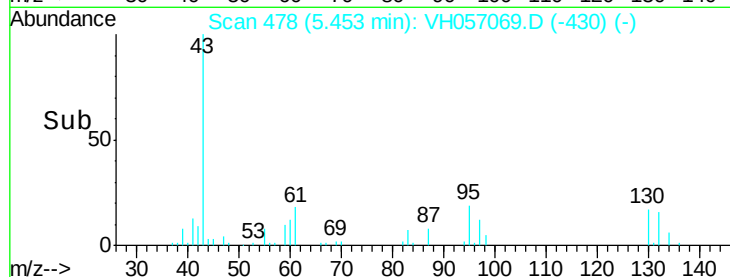
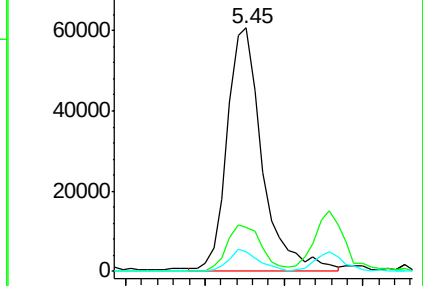
87 7.9 7.0 10.6



Abundance Ion 43.05 (42.75 to 43.75): VH057074.D (-471) (-)

Ion 61.00 (60.70 to 61.70): VH057074.D (-471) (-)

Ion 87.00 (86.70 to 87.70): VH057074.D (-471) (-)



#43

Trichloroethene

Concen: 4.80 ug/l

RT: 5.47 min Scan# 480

Delta R.T. -0.00 min

Lab File: VH057069.D

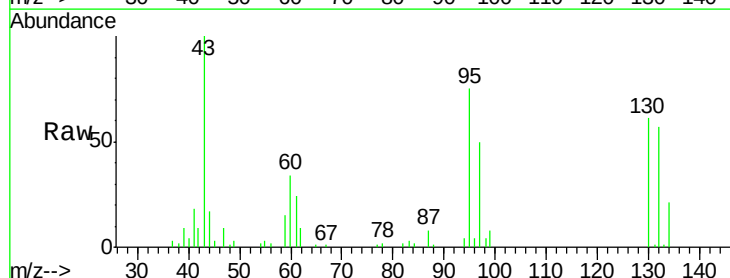
Acq: 17 Sep 2015 16:46

Tgt Ion: 130 Resp: 42921

Ion Ratio Lower Upper

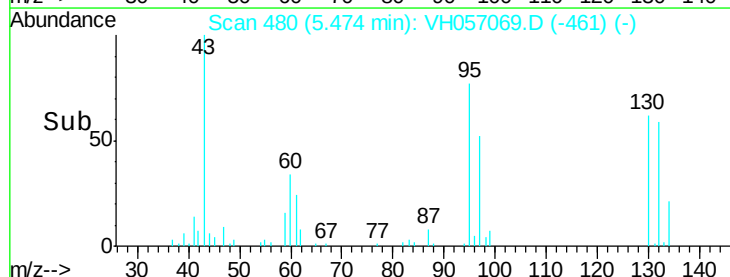
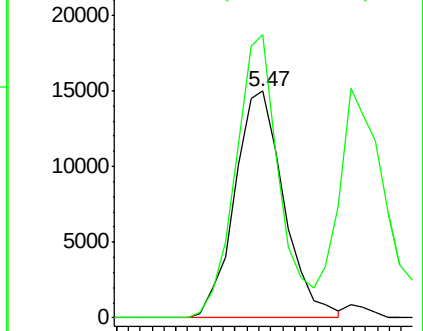
130 100

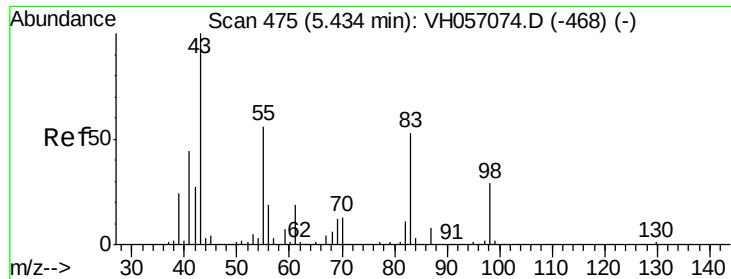
95 124.7 84.0 126.0



Abundance Ion 129.90 (129.60 to 130.60): VH057074.D (-473) (-)

Ion 94.90 (94.60 to 95.60): VH057074.D (-473) (-)





#44

Methylcyclohexane

Concen: 5.06 ug/l

RT: 5.42 min Scan# 475

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

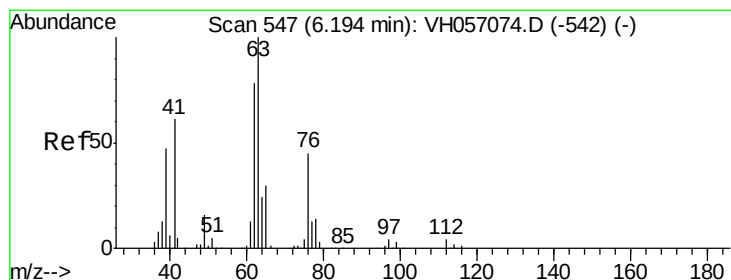
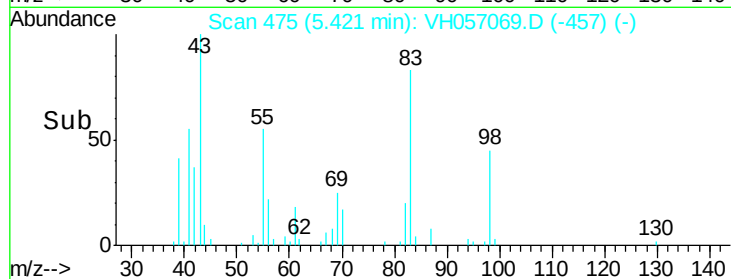
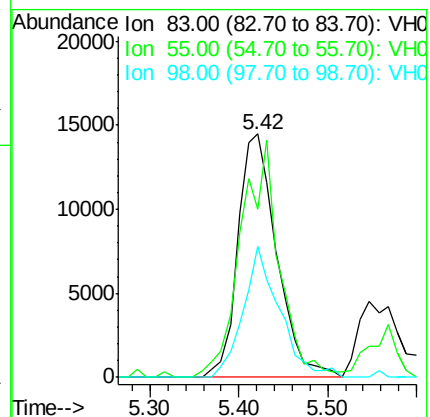
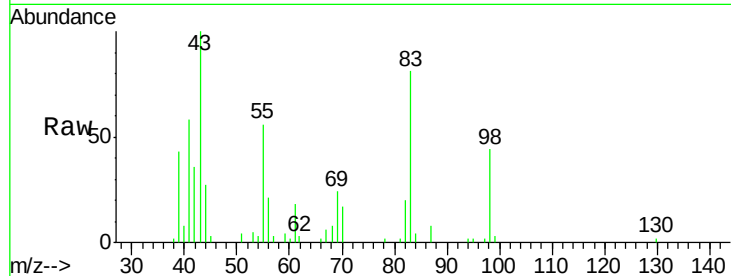
Tgt Ion: 83 Resp: 44821

Ion Ratio Lower Upper

83 100

55 68.8 0.0 207.2

98 53.6 0.0 108.4



#45

1,2-Dichloropropane

Concen: 5.08 ug/l

RT: 6.19 min Scan# 548

Delta R.T. -0.01 min

Lab File: VH057069.D

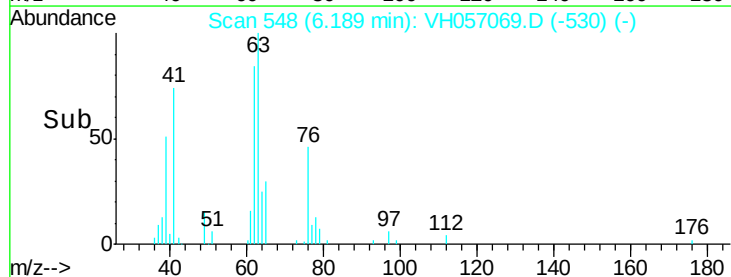
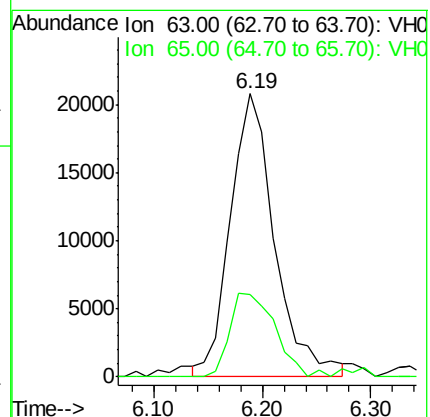
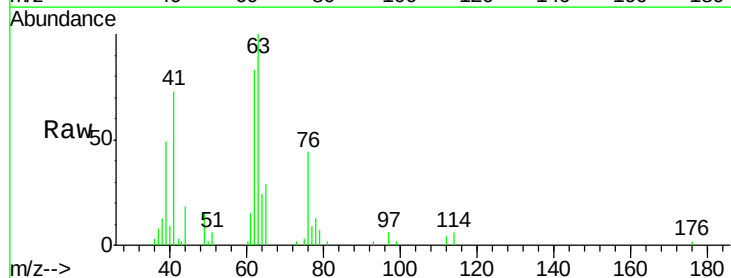
Acq: 17 Sep 2015 16:46

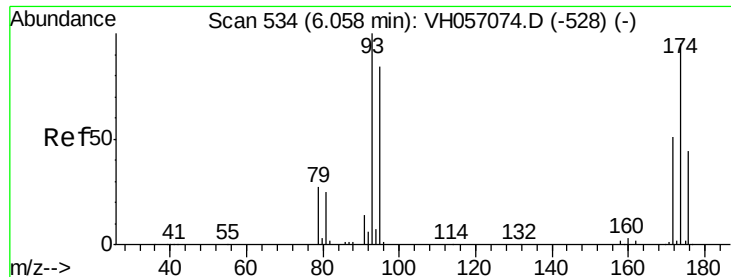
Tgt Ion: 63 Resp: 58830

Ion Ratio Lower Upper

63 100

65 28.9 23.8 35.8

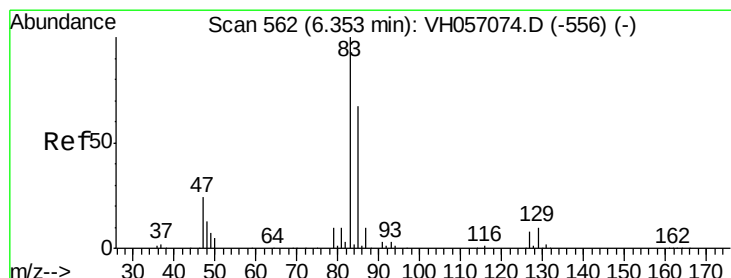
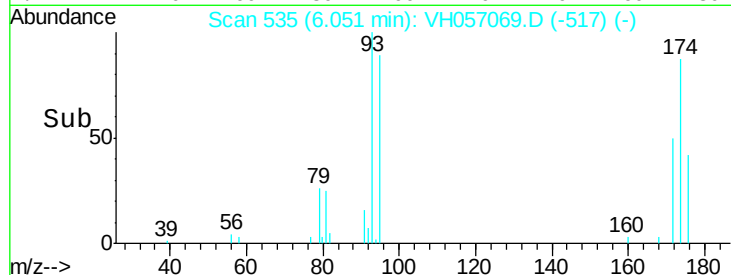
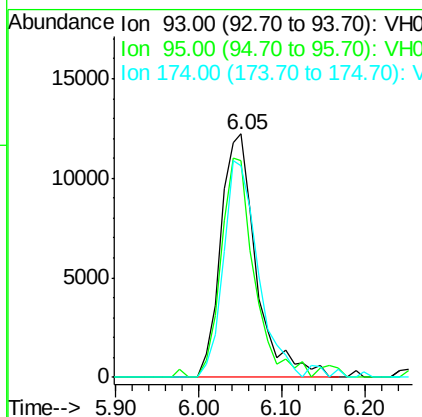
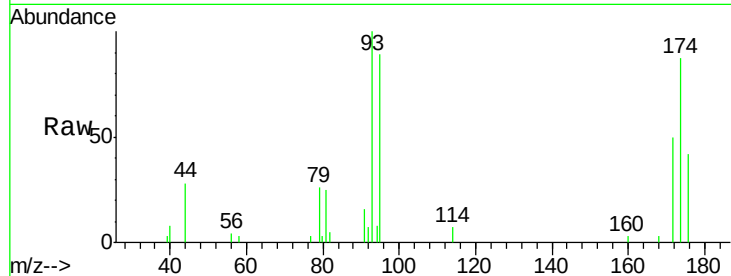




#46
Dibromomethane
Concen: 5.03 ug/l
RT: 6.05 min Scan# 535
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

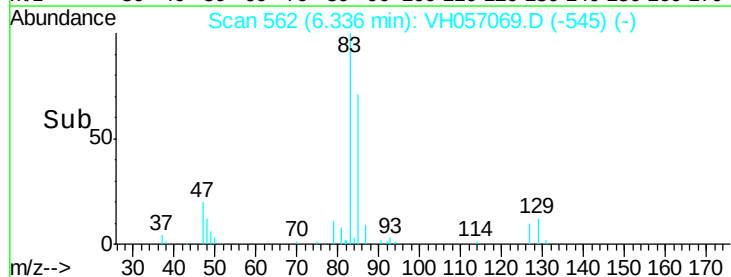
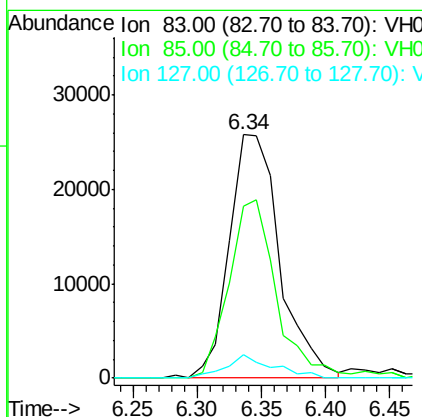
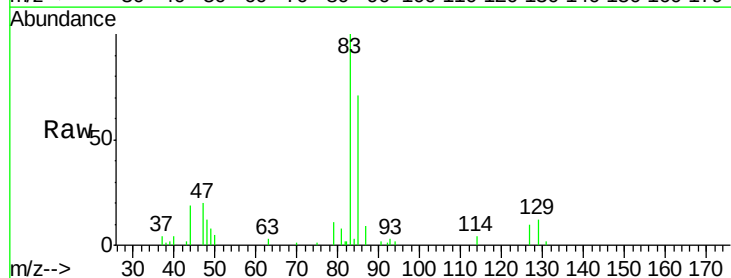
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

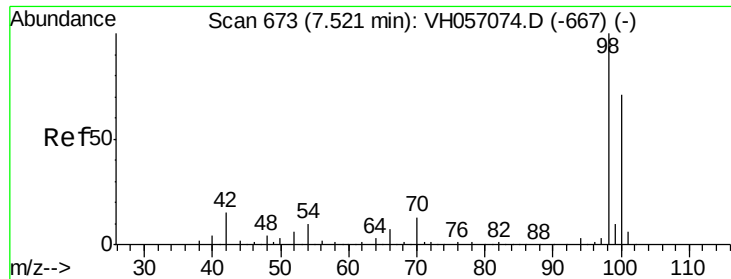
Tgt Ion: 93 Resp: 36556
Ion Ratio Lower Upper
93 100
95 89.1 69.5 104.3
174 86.9 75.8 113.6



#47
Bromodichloromethane
Concen: 4.76 ug/l
RT: 6.34 min Scan# 562
Delta R.T. -0.02 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 83 Resp: 70623
Ion Ratio Lower Upper
83 100
85 70.7 52.6 78.8
127 9.7 6.8 10.2

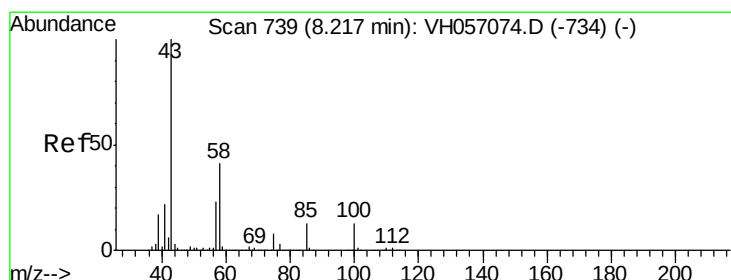
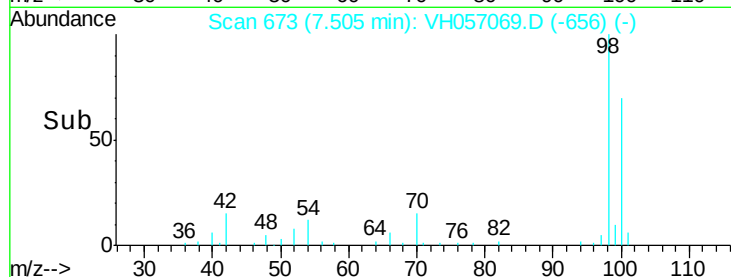
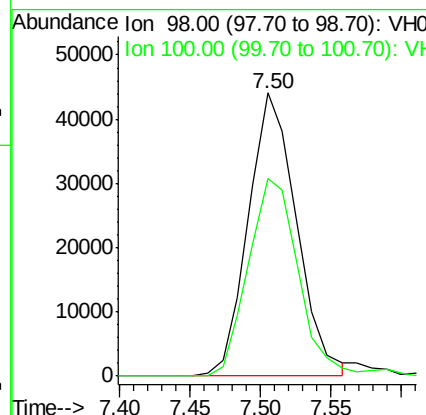
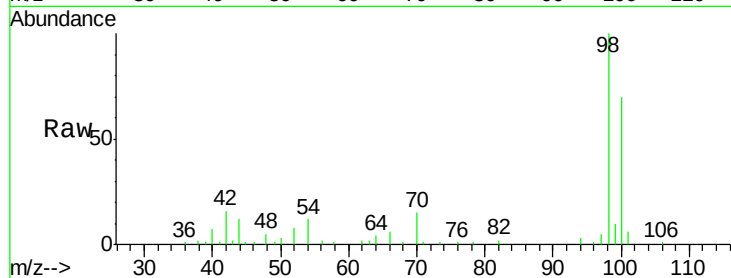




#48
Toluene-d8
Concen: 3.92 ug/l
RT: 7.50 min Scan# 673
Delta R.T. -0.02 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

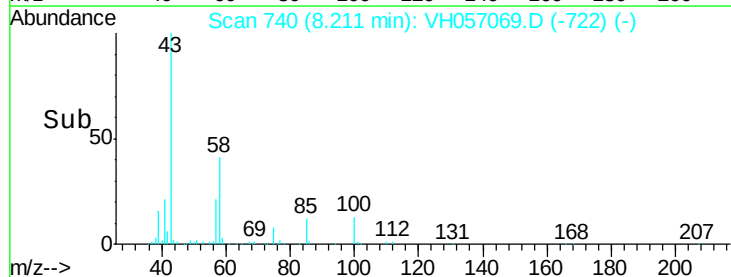
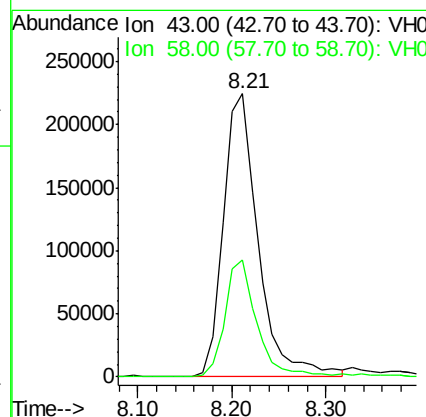
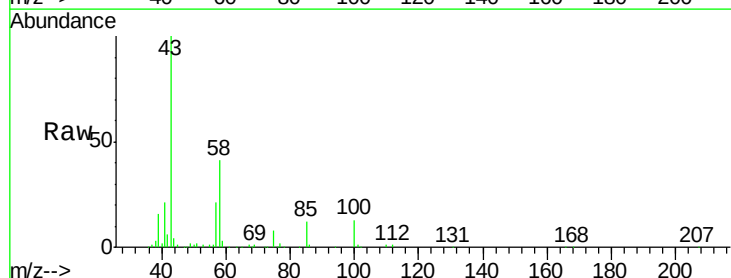
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

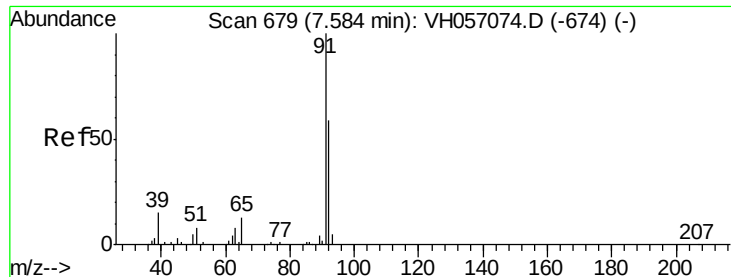
Tgt Ion: 98 Resp: 105284
Ion Ratio Lower Upper
98 100
100 70.0 56.7 85.1



#49
4-Methyl-2-Pentanone
Concen: 24.19 ug/l
RT: 8.21 min Scan# 740
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 43 Resp: 574206
Ion Ratio Lower Upper
43 100
58 41.2 20.0 60.0





#50

Toluene

Concen: 4.96 ug/l

RT: 7.58 min Scan# 680

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

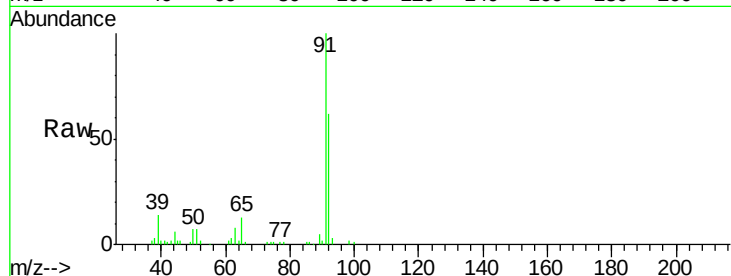
VSTDIC005

Tgt Ion: 92 Resp: 114122

Ion Ratio Lower Upper

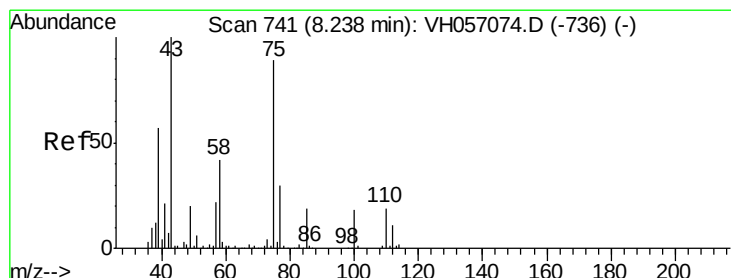
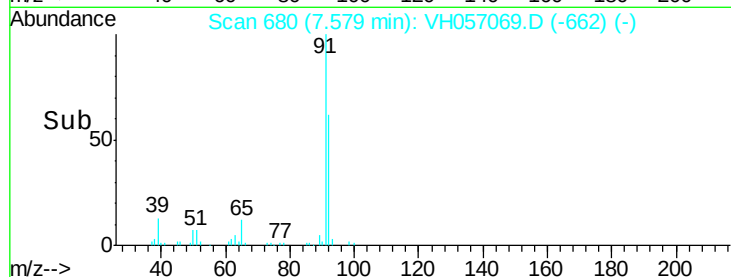
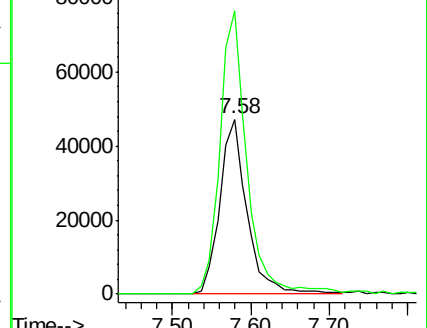
92 100

91 162.1 125.8 188.6



Abundance Ion 92.00 (91.70 to 92.70): VH057074.D (-674) (-)

Ion 91.00 (90.70 to 91.70): VH057074.D (-674) (-)



#51

t-1,3-Dichloropropene

Concen: 4.61 ug/l

RT: 8.23 min Scan# 742

Delta R.T. -0.01 min

Lab File: VH057069.D

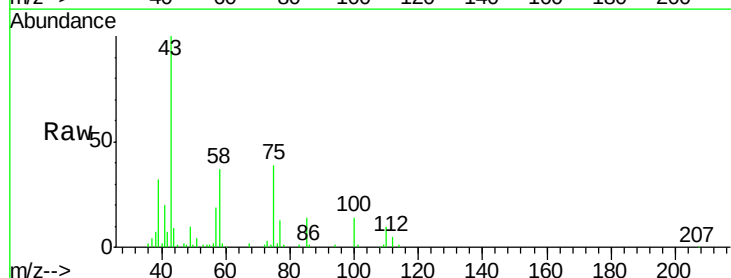
Acq: 17 Sep 2015 16:46

Tgt Ion: 75 Resp: 78891

Ion Ratio Lower Upper

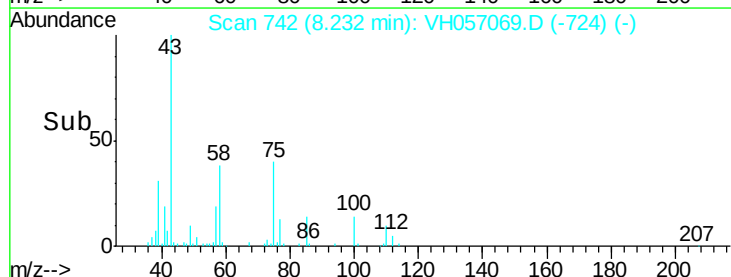
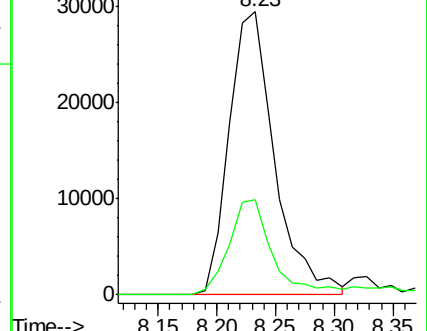
75 100

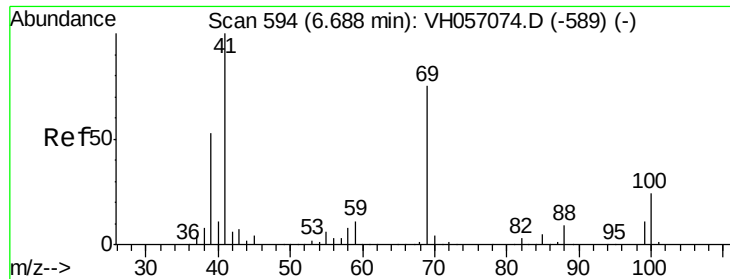
77 33.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VH057074.D (-736) (-)

Ion 77.00 (76.70 to 77.70): VH057074.D (-736) (-)





#52

Methyl Methacrylate

Concen: 4.48 ug/l

RT: 6.68 min Scan# 595

Delta R.T. -0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

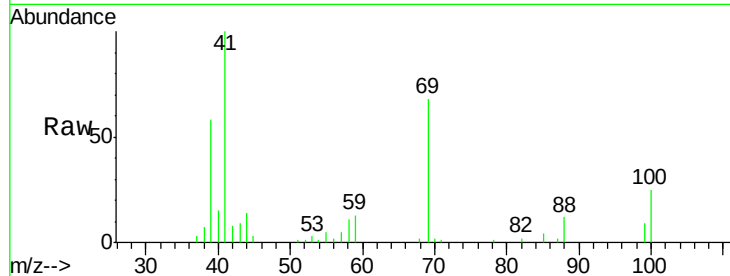
Tgt Ion: 69 Resp: 52317

Ion Ratio Lower Upper

69 100

41 147.7 70.0 209.8

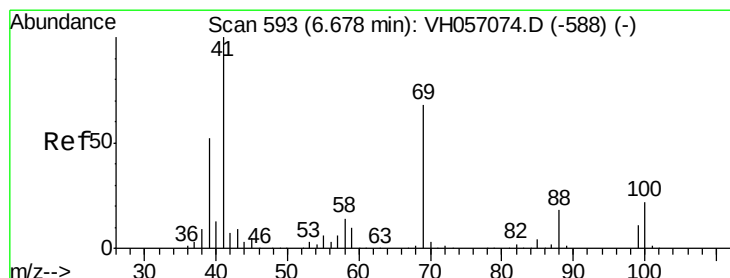
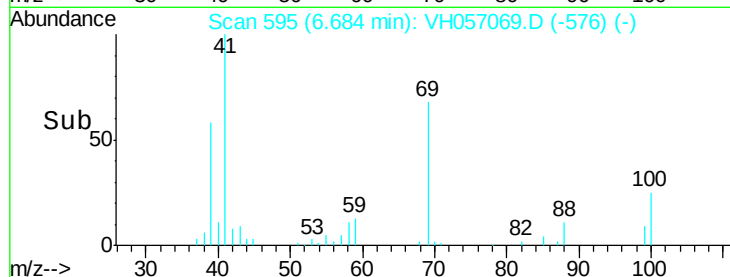
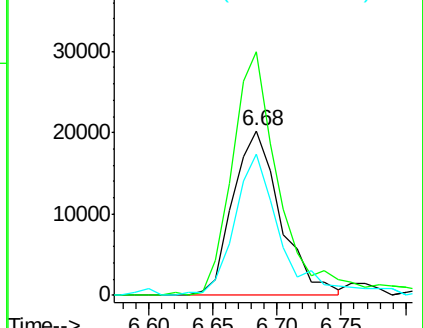
39 85.8 37.5 112.5



Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0



#53

1,4-Dioxane

Concen: 108.91 ug/l

RT: 6.67 min Scan# 594

Delta R.T. -0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

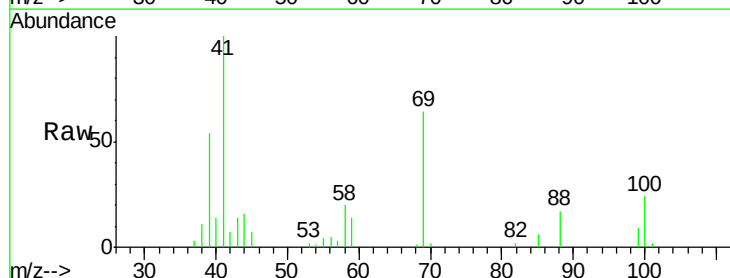
Tgt Ion: 88 Resp: 12475

Ion Ratio Lower Upper

88 100

43 82.6 39.6 59.4#

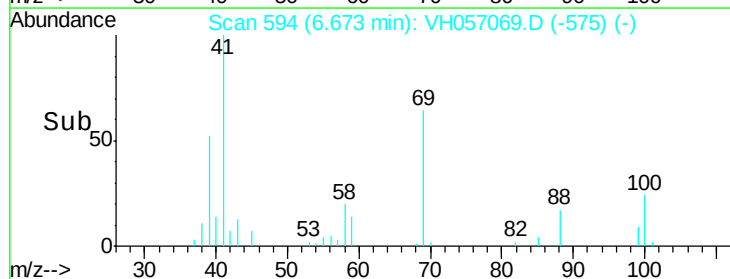
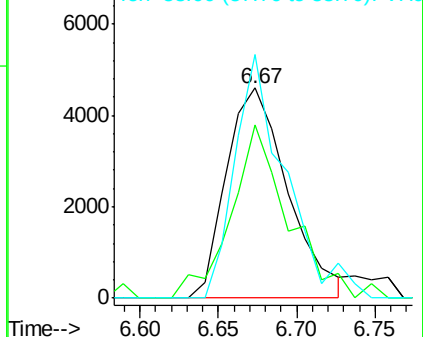
58 116.0 61.4 92.2#

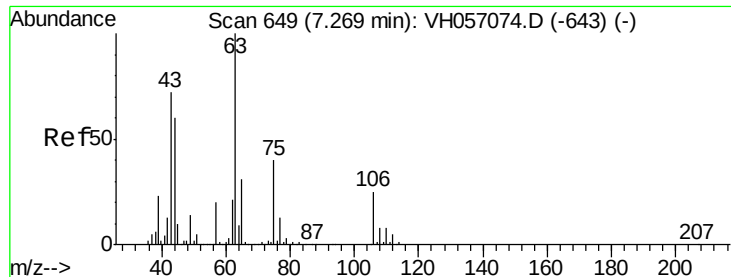


Abundance Ion 88.00 (87.70 to 88.70): VH0

Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0





#54

cis-1,3-Dichloropropene

Concen: 4.90 ug/l

RT: 7.25 min Scan# 649

Delta R.T. -0.02 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

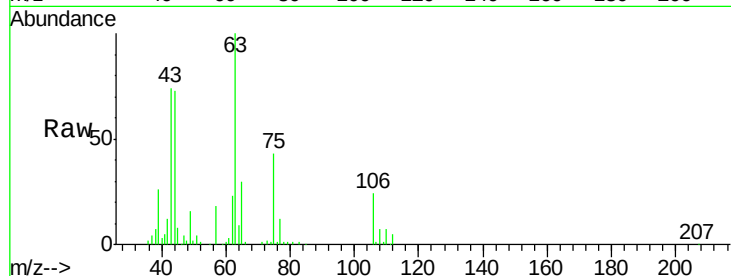
Tgt Ion: 75 Resp: 91358

Ion Ratio Lower Upper

75 100

77 28.6 25.2 37.8

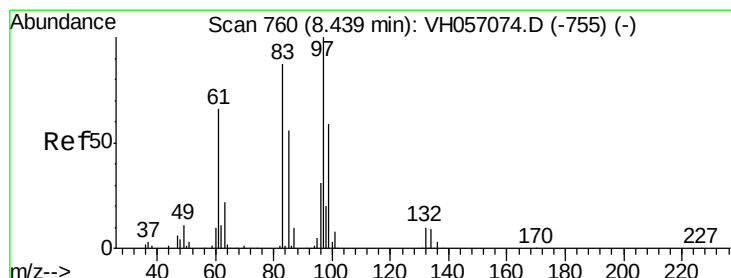
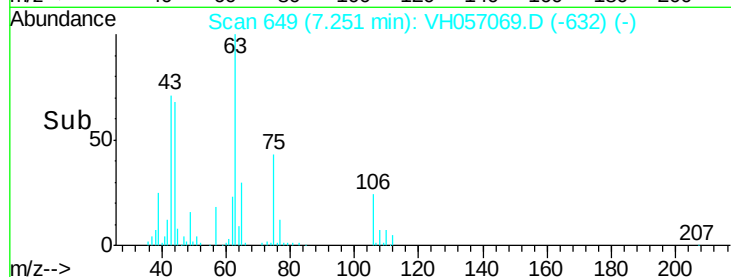
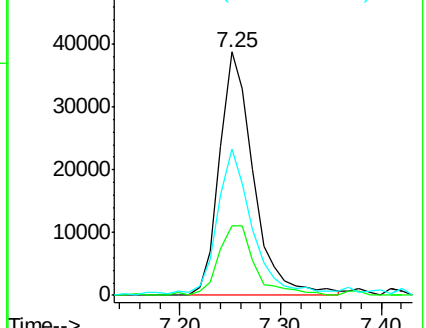
39 60.1 50.7 76.1



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: 4.72 ug/l

RT: 8.43 min Scan# 761

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Tgt Ion: 97 Resp: 44240

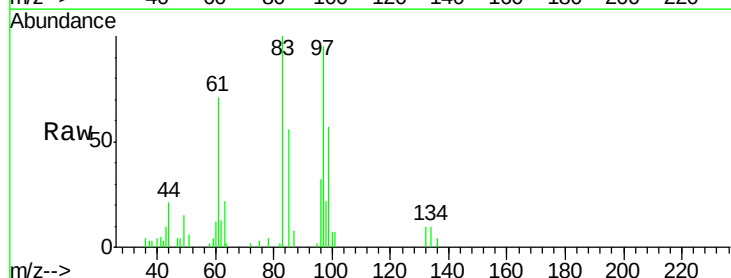
Ion Ratio Lower Upper

97 100

83 104.7 72.7 109.1

85 59.1 45.5 68.3

99 59.4 46.2 69.2

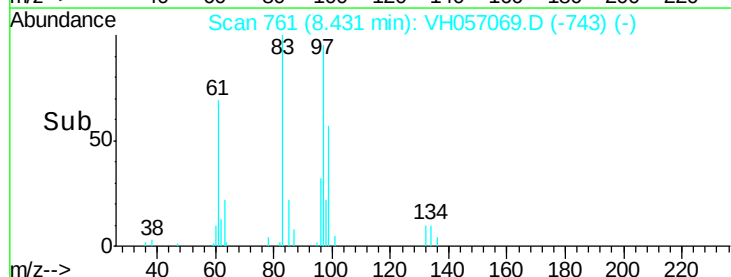
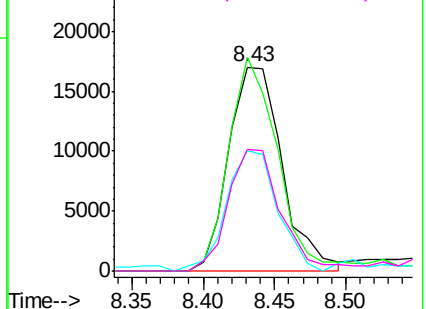


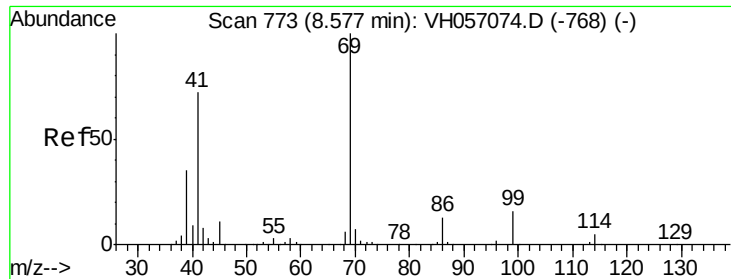
Abundance Ion 97.00 (96.70 to 97.70): VH0

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: 4.38 ug/l

RT: 8.57 min Scan# 774

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

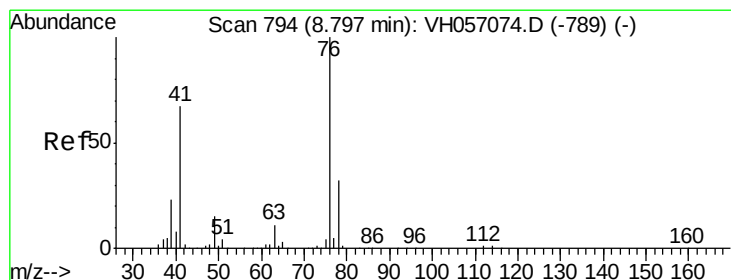
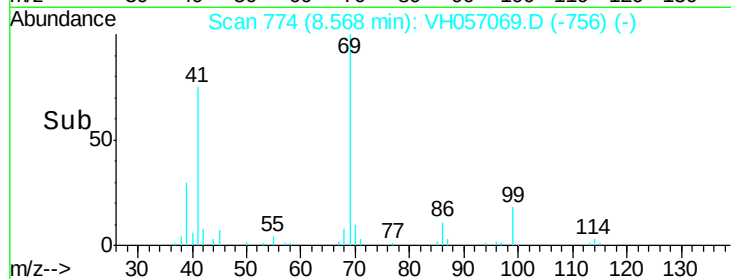
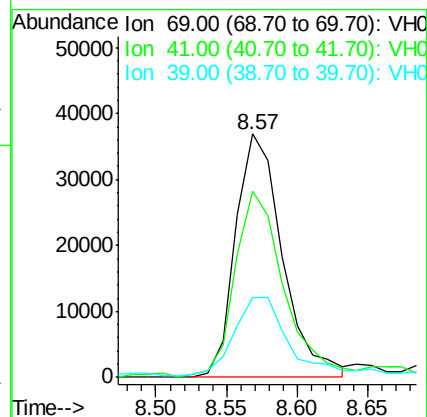
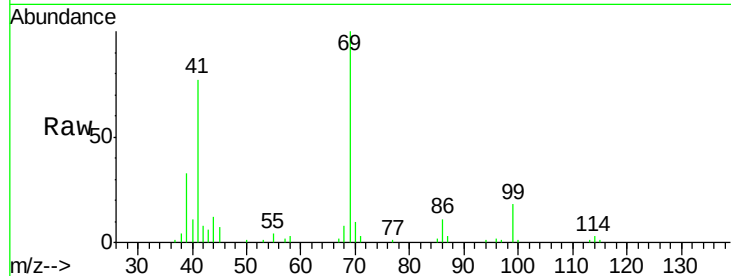
Tgt Ion: 69 Resp: 85165

Ion Ratio Lower Upper

69 100

41 76.6 39.1 117.3

39 32.9 19.2 57.6



#57

1,3-Dichloropropane

Concen: 4.62 ug/l

RT: 8.80 min Scan# 796

Delta R.T. 0.00 min

Lab File: VH057069.D

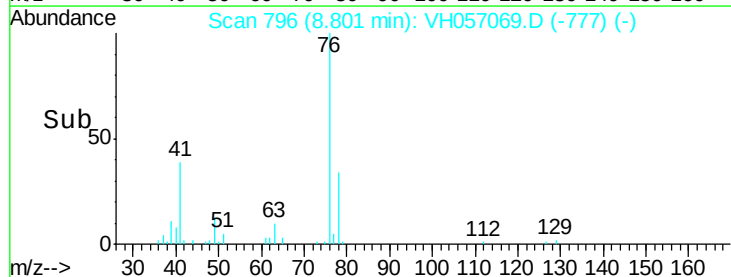
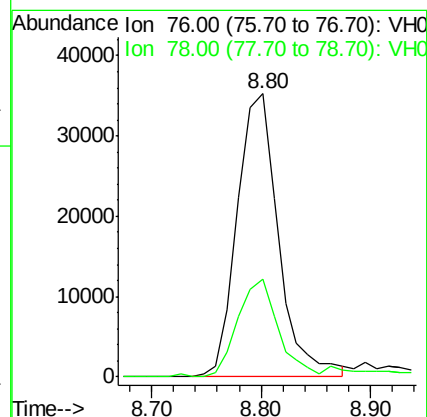
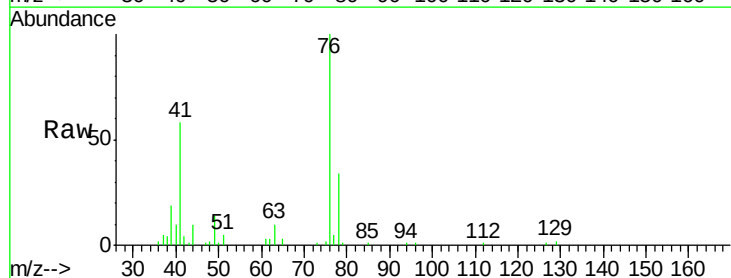
Acq: 17 Sep 2015 16:46

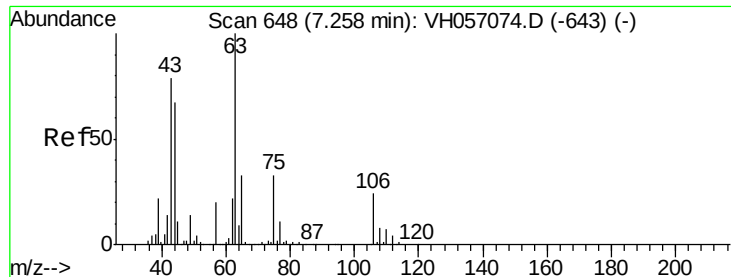
Tgt Ion: 76 Resp: 90774

Ion Ratio Lower Upper

76 100

78 34.4 25.7 38.5





#58

2-Chloroethyl Vinyl ether

Concen: 13.58 ug/l

RT: 7.25 min Scan# 649

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

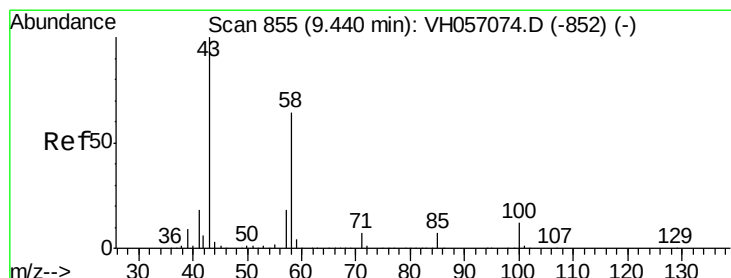
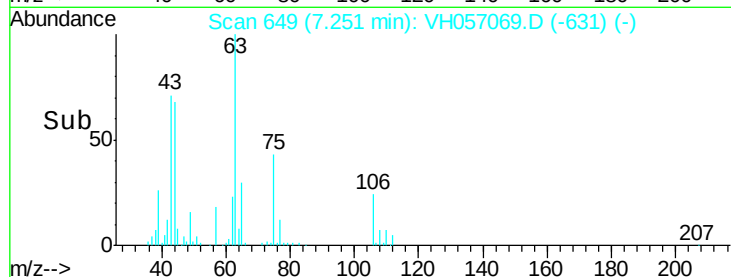
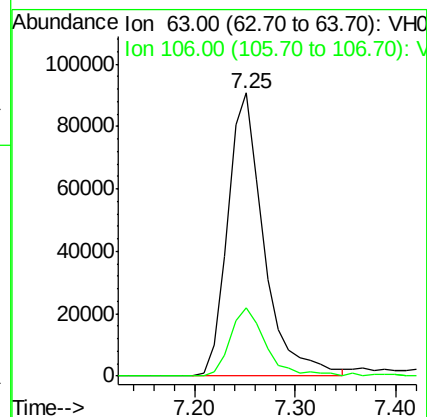
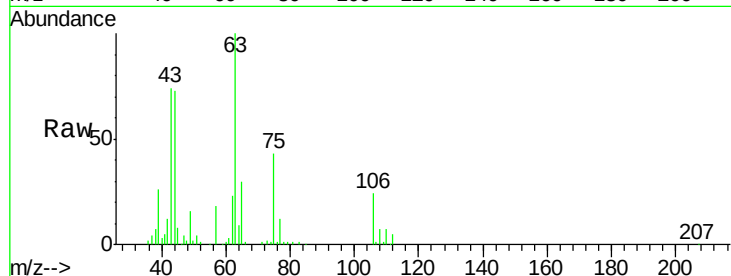
VSTDIC005

Tgt Ion: 63 Resp: 226605

Ion Ratio Lower Upper

63 100

106 24.1 18.0 27.0



#59

2-Hexanone

Concen: 26.89 ug/l

RT: 9.44 min Scan# 857

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

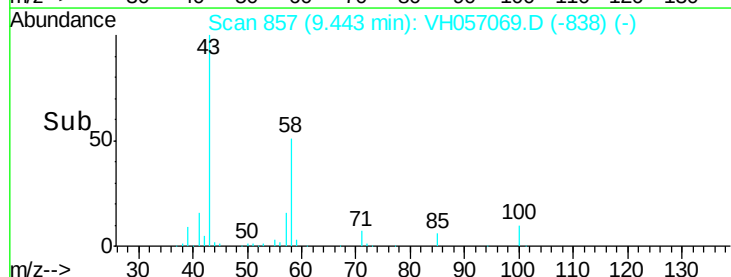
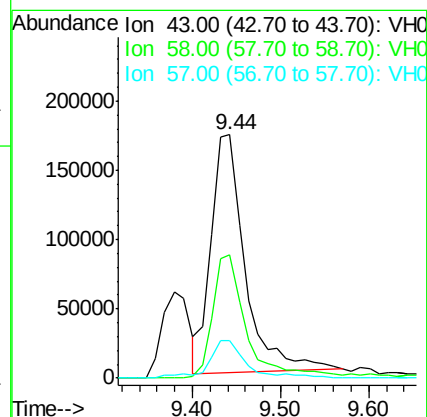
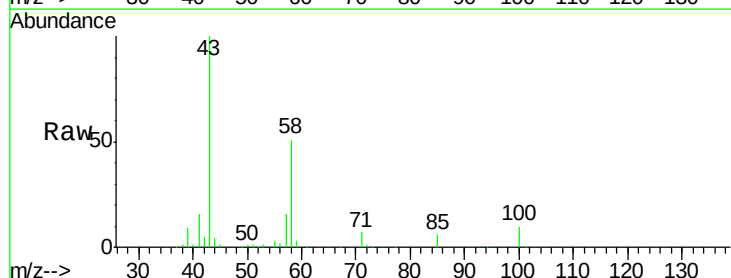
Tgt Ion: 43 Resp: 465490

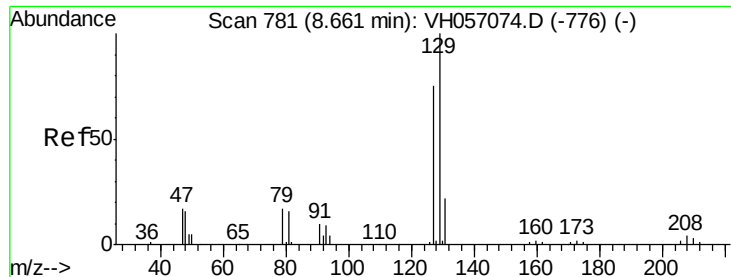
Ion Ratio Lower Upper

43 100

58 50.8 27.1 81.2

57 15.6 8.1 24.3





#60

Dibromochloromethane

Concen: 5.04 ug/l

RT: 8.66 min Scan# 783

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

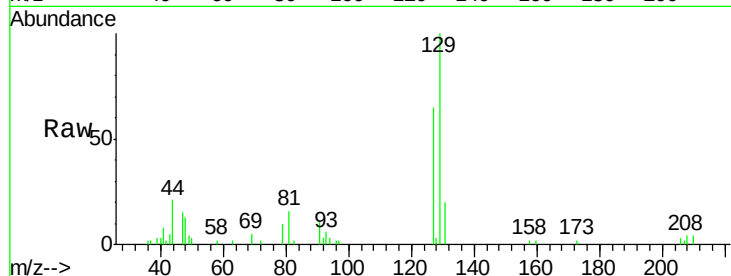
VSTDIC005

Tgt Ion:129 Resp: 53604

Ion Ratio Lower Upper

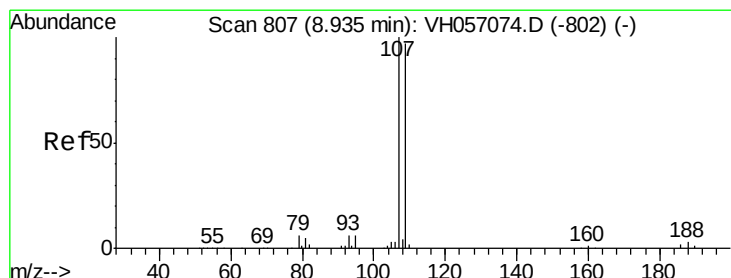
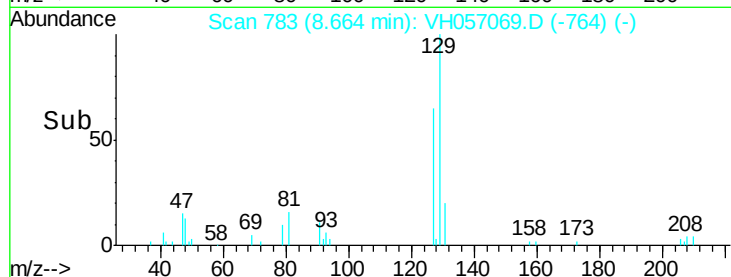
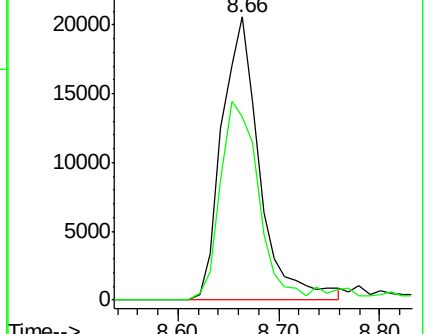
129 100

127 64.7 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 4.54 ug/l

RT: 8.93 min Scan# 808

Delta R.T. -0.01 min

Lab File: VH057069.D

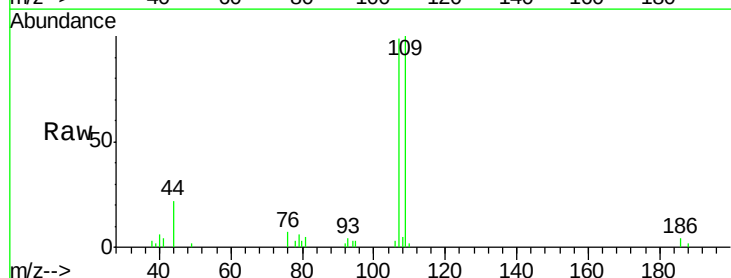
Acq: 17 Sep 2015 16:46

Tgt Ion:107 Resp: 49846

Ion Ratio Lower Upper

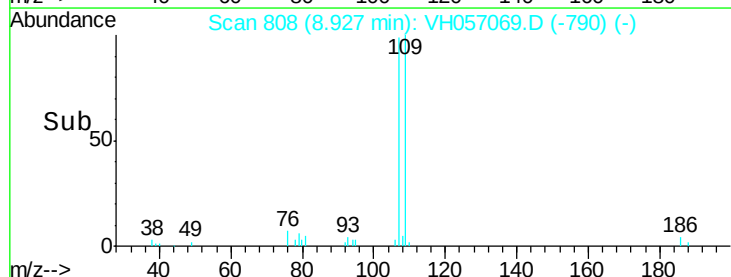
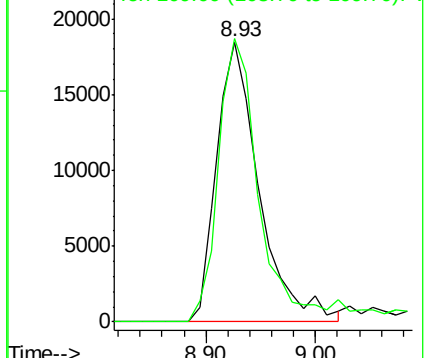
107 100

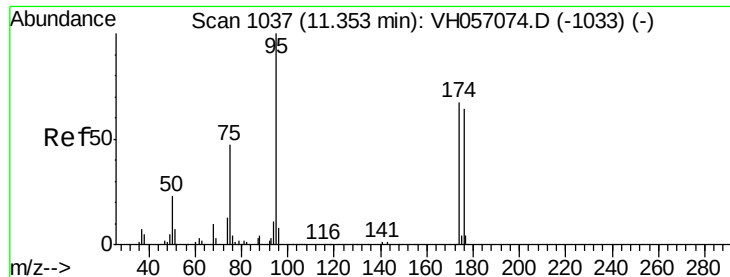
109 101.1 77.7 116.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

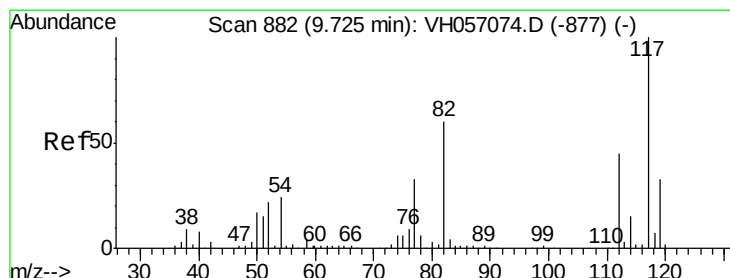
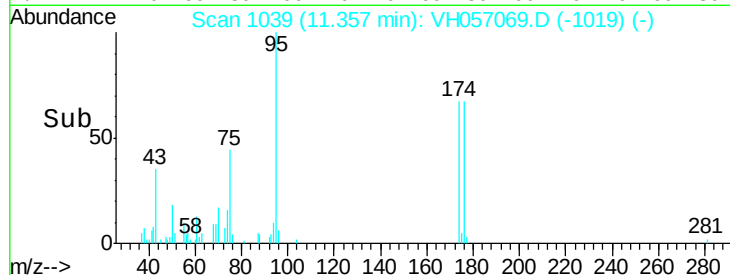
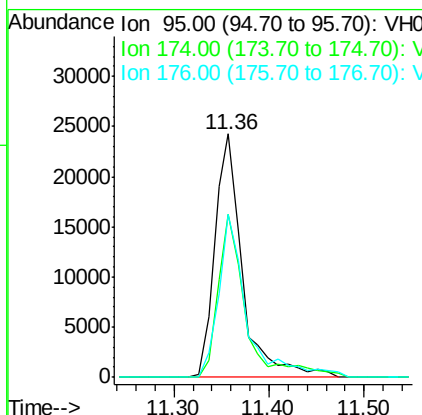
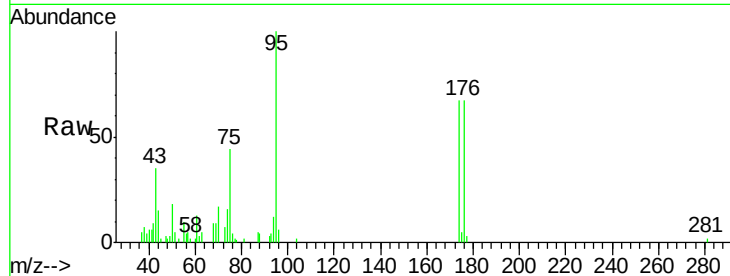




#62
4-Bromofluorobenzene
Concen: 5.07 ug/l
RT: 11.36 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

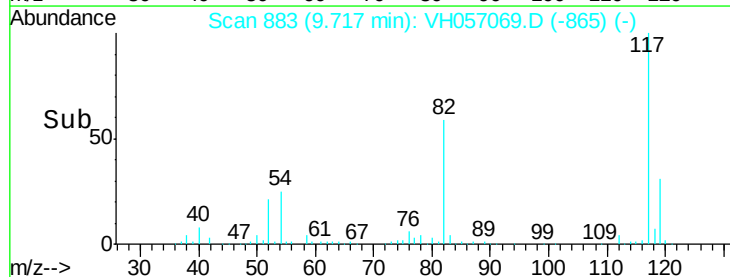
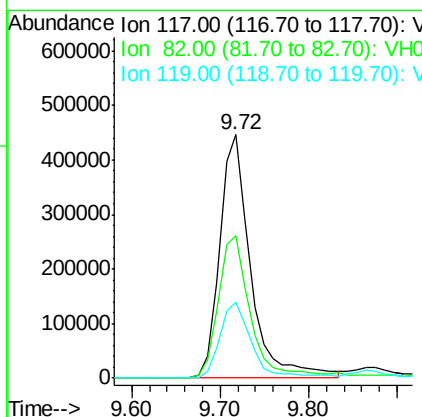
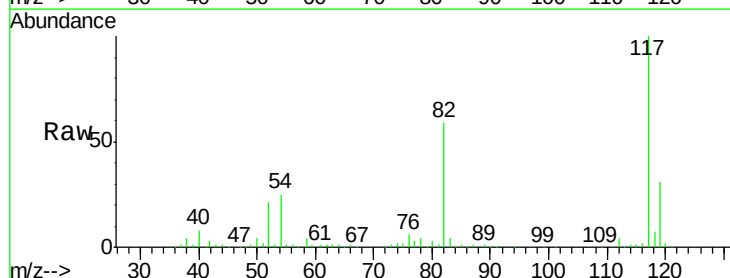
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

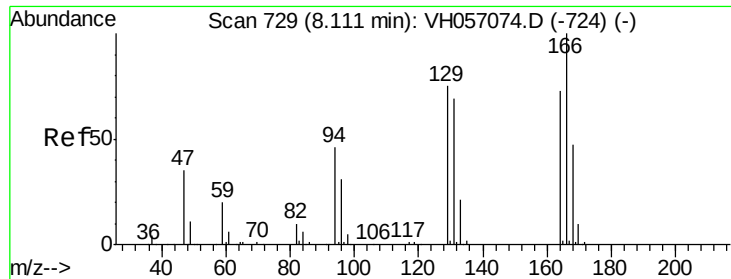
Tgt Ion: 95 Resp: 49619
Ion Ratio Lower Upper
95 100
174 66.8 58.4 87.6
176 67.1 54.3 81.5



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 883
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 117 Resp: 1081004
Ion Ratio Lower Upper
117 100
82 58.6 51.0 76.6
119 31.2 26.7 40.1





#64

Tetrachloroethene

Concen: 4.63 ug/l

RT: 8.11 min Scan# 730

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 28207

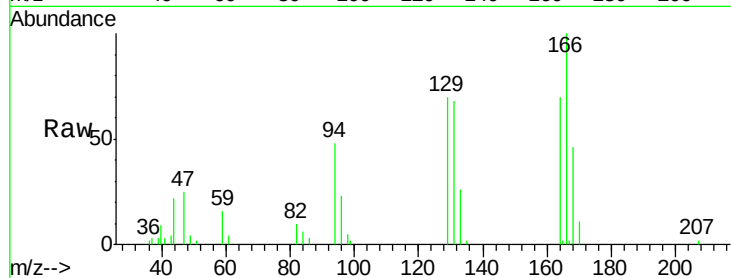
Ion Ratio Lower Upper

164 100

166 142.8 103.2 154.8

129 99.5 73.4 110.0

131 97.6 70.8 106.2

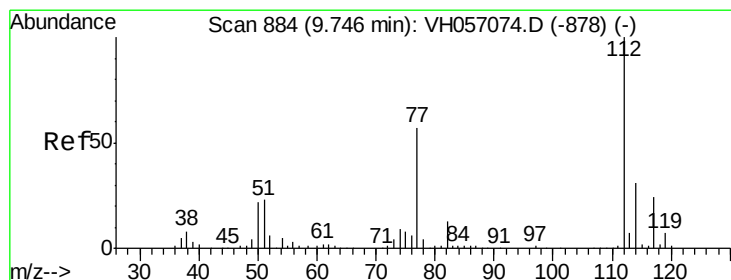
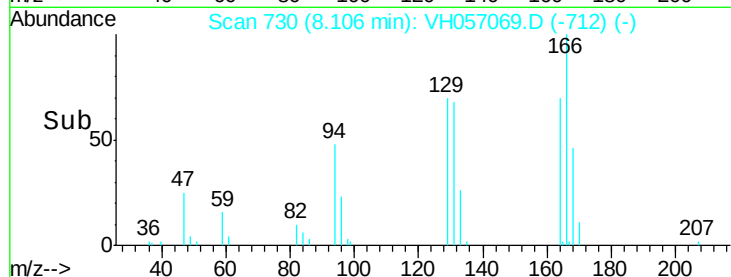
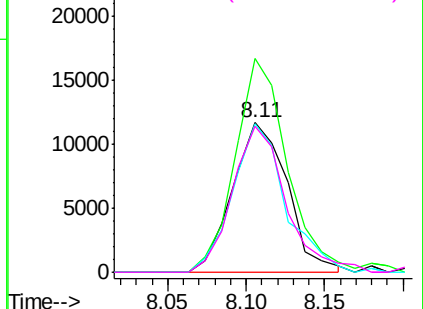


Abundance Ion 163.85 (163.55 to 164.55): V

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: 4.85 ug/l

RT: 9.74 min Scan# 885

Delta R.T. -0.01 min

Lab File: VH057069.D

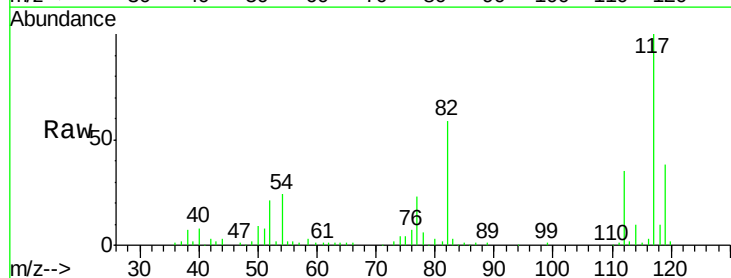
Acq: 17 Sep 2015 16:46

Tgt Ion:112 Resp: 109394

Ion Ratio Lower Upper

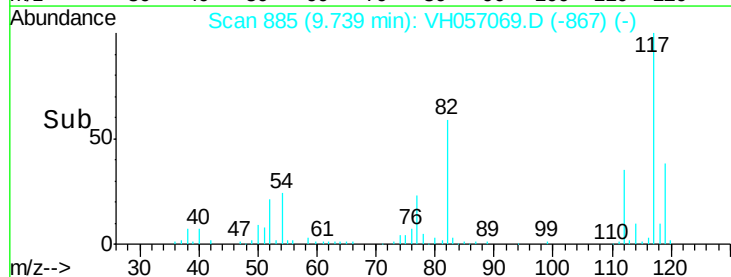
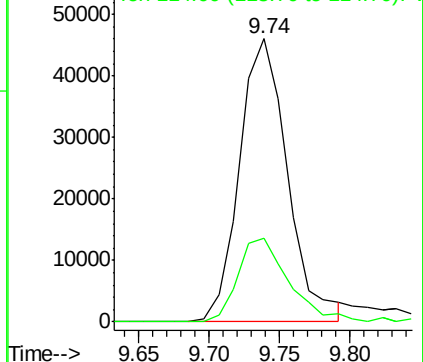
112 100

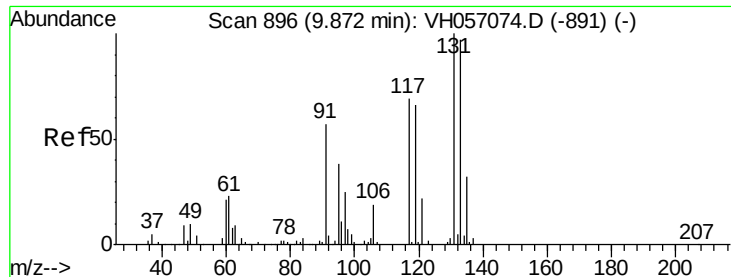
114 29.5 26.3 39.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 4.97 ug/l

RT: 9.86 min Scan# 897

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

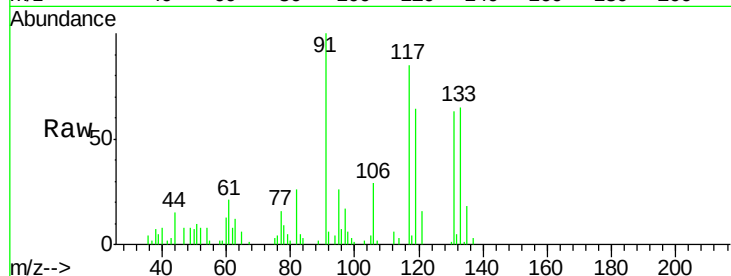
Tgt Ion:131 Resp: 39407

Ion Ratio Lower Upper

131 100

133 103.9 51.1 153.3

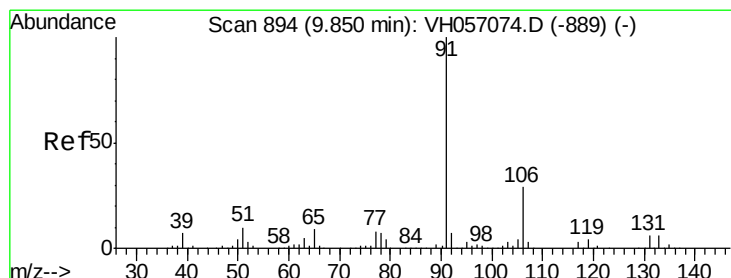
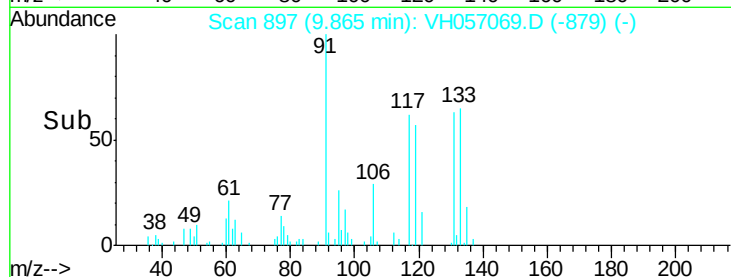
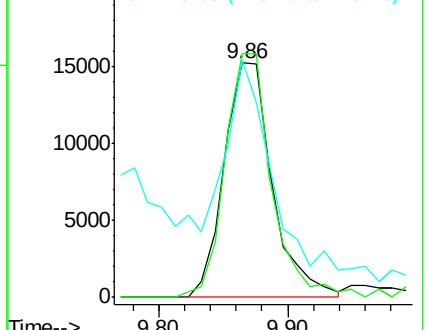
119 101.1 36.3 108.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 4.93 ug/l

RT: 9.84 min Scan# 895

Delta R.T. -0.01 min

Lab File: VH057069.D

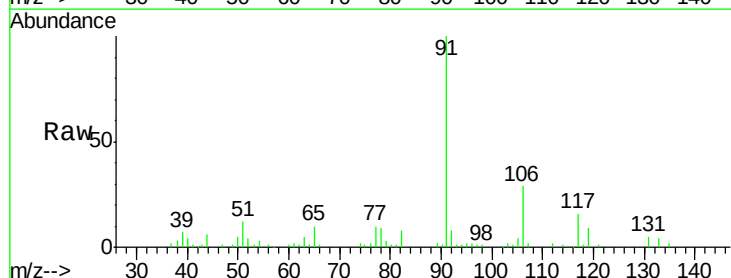
Acq: 17 Sep 2015 16:46

Tgt Ion:106 Resp: 55755

Ion Ratio Lower Upper

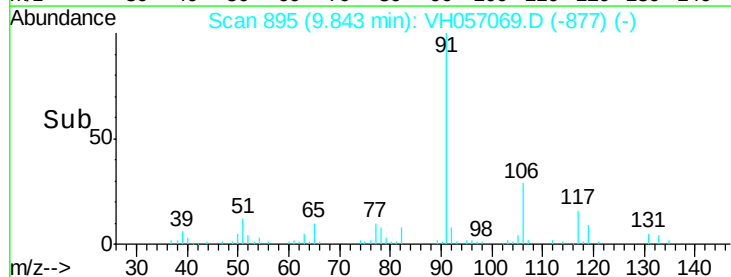
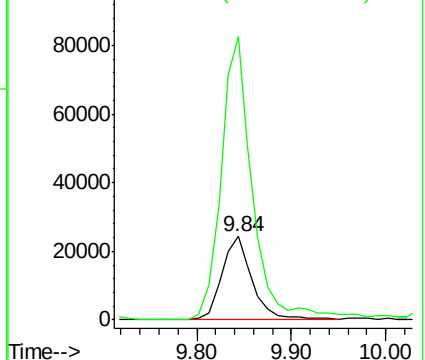
106 100

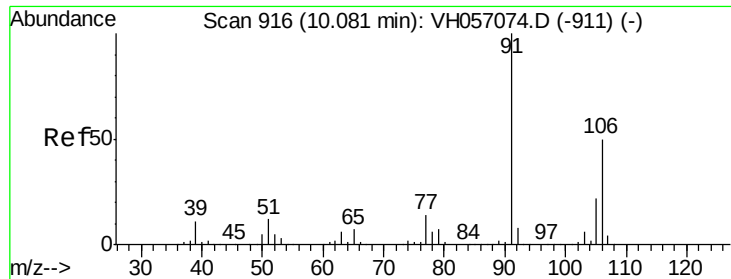
91 339.8 264.9 397.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

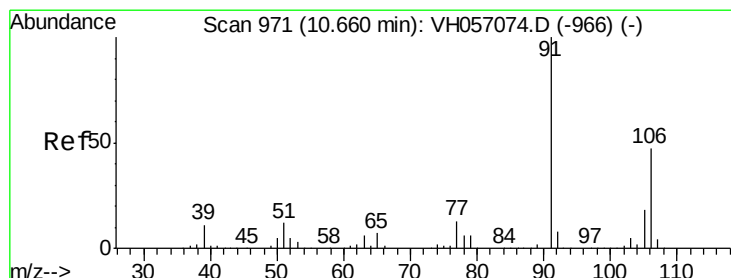
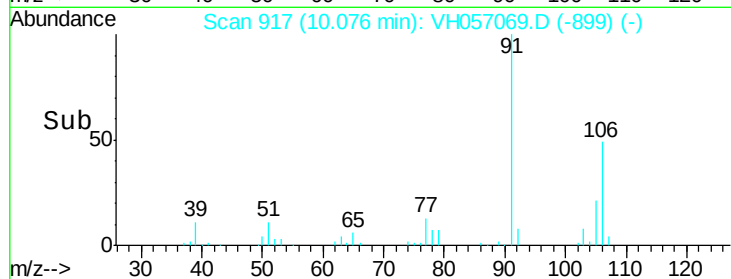
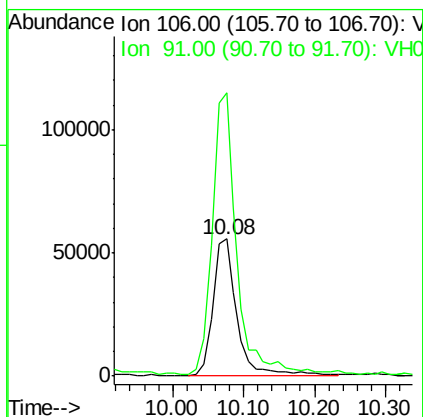
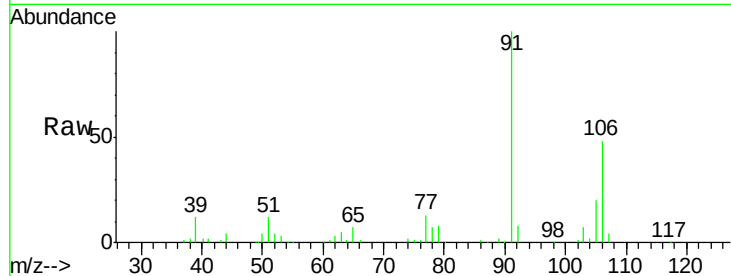




#68
m/p-Xylenes
Concen: 9.77 ug/l
RT: 10.08 min Scan# 917
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

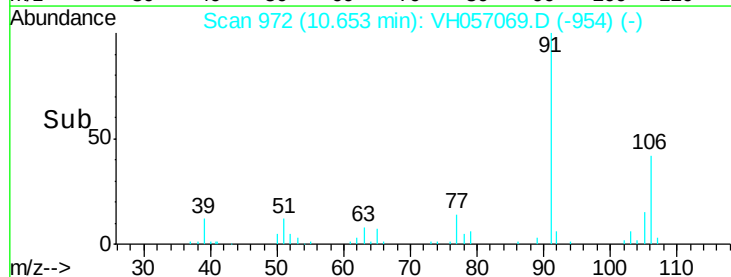
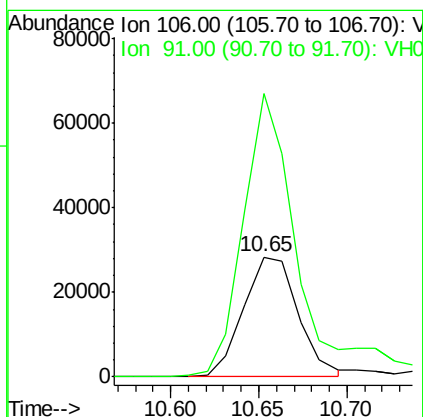
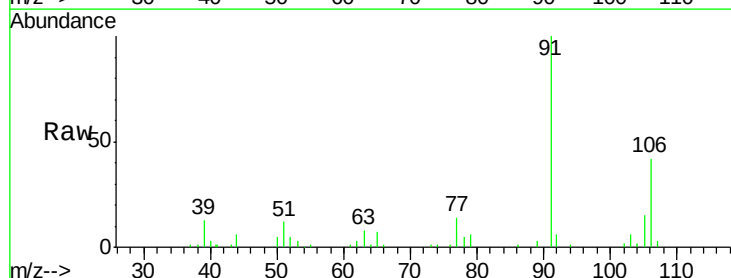
Instrument :
MSVOA_H
ClientSampled :
VSTDIC005

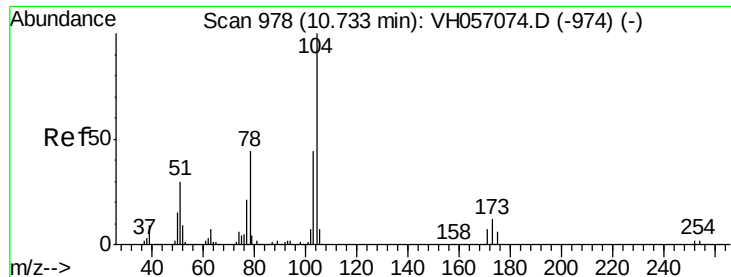
Tgt Ion:106 Resp: 132836
Ion Ratio Lower Upper
106 100
91 206.4 164.4 246.6



#69
o-Xylene
Concen: 4.68 ug/l
RT: 10.65 min Scan# 972
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion:106 Resp: 61407
Ion Ratio Lower Upper
106 100
91 236.1 104.2 312.6

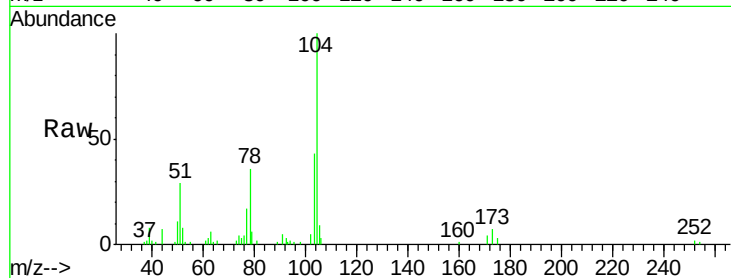




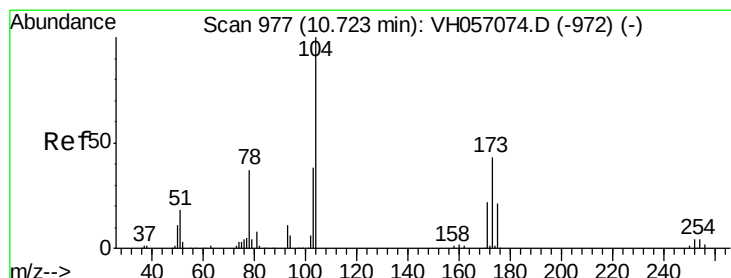
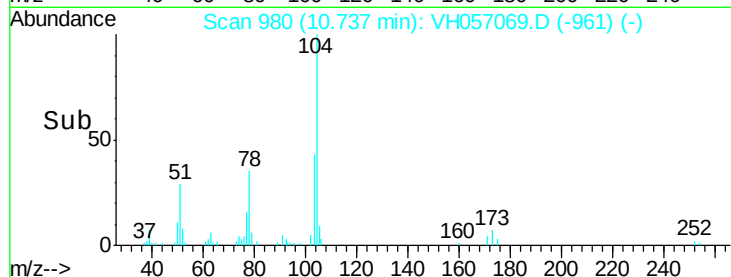
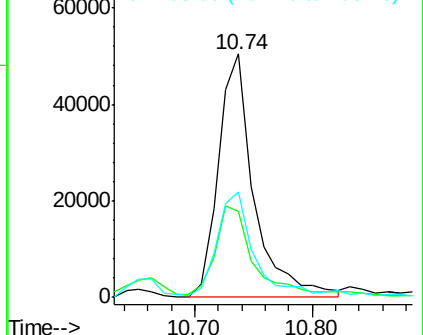
#70
Styrene
Concen: 4.80 ug/l
RT: 10.74 min Scan# 980
Delta R.T. 0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 106062
Ion Ratio Lower Upper
104 100
78 35.6 35.2 52.8
103 43.5 35.8 53.6

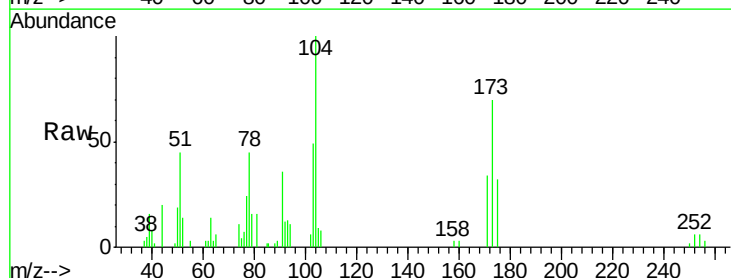


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

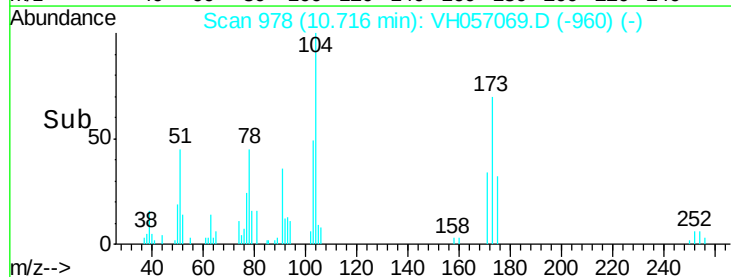
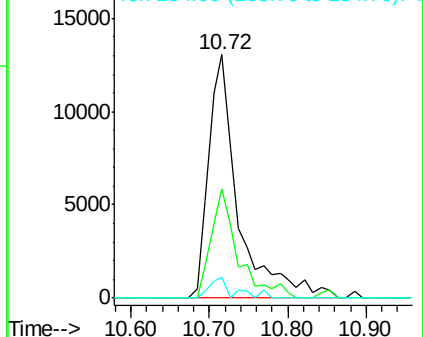


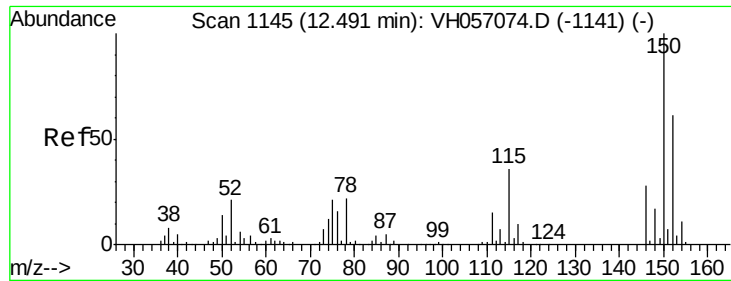
#71
Bromoform
Concen: 5.26 ug/l
RT: 10.72 min Scan# 978
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion:173 Resp: 34110
Ion Ratio Lower Upper
173 100
175 45.0 23.3 69.9
254 8.4 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: 12.48 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

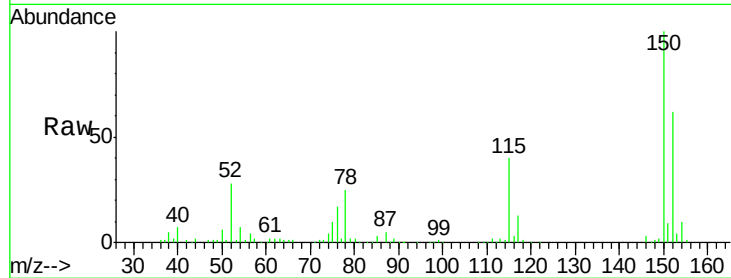
Tgt Ion:152 Resp: 308113

Ion Ratio Lower Upper

152 100

115 64.5 28.2 84.6

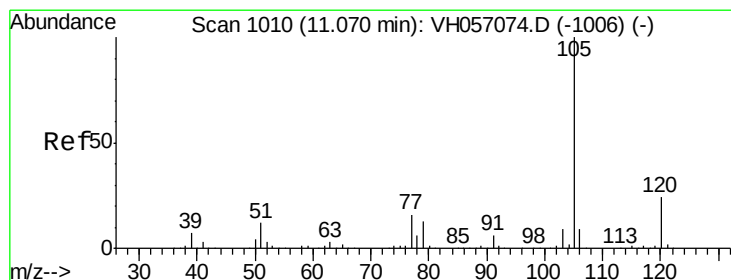
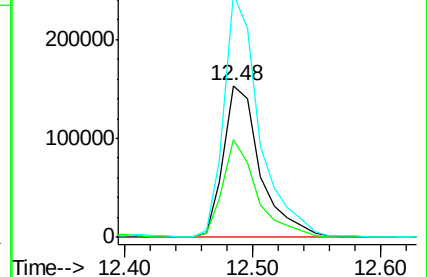
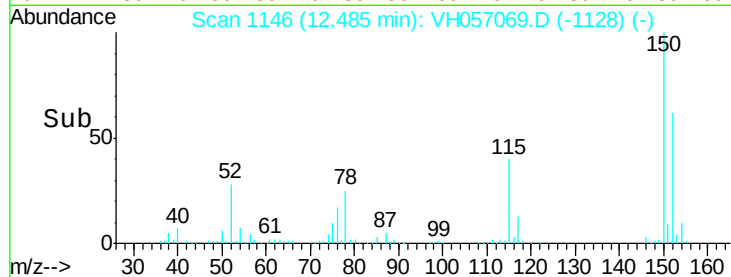
150 160.7 0.0 332.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 4.86 ug/l

RT: 11.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VH057069.D

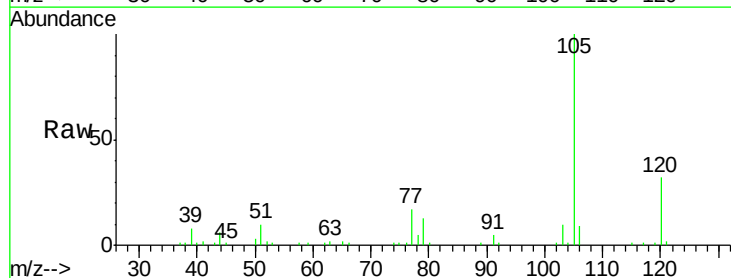
Acq: 17 Sep 2015 16:46

Tgt Ion:105 Resp: 140848

Ion Ratio Lower Upper

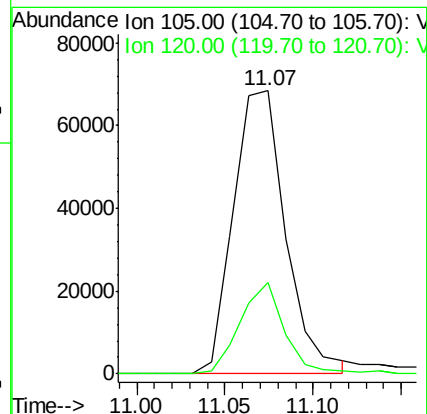
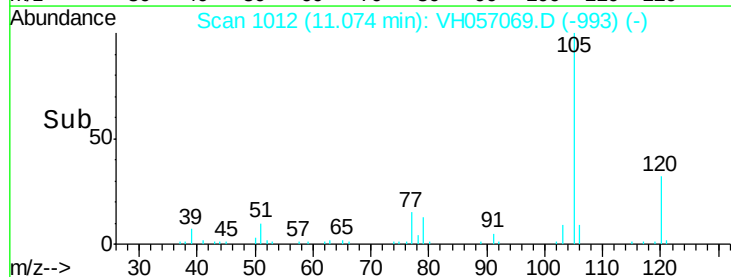
105 100

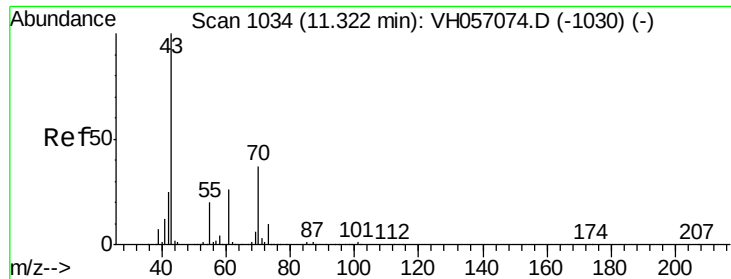
120 32.2 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

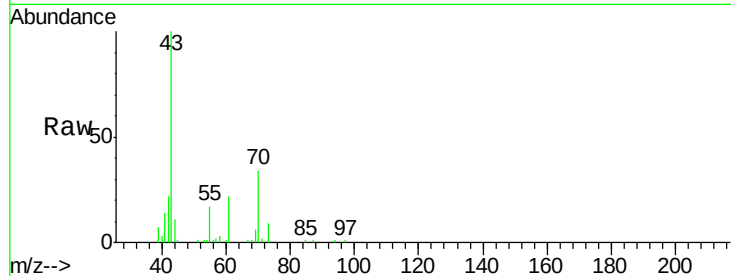




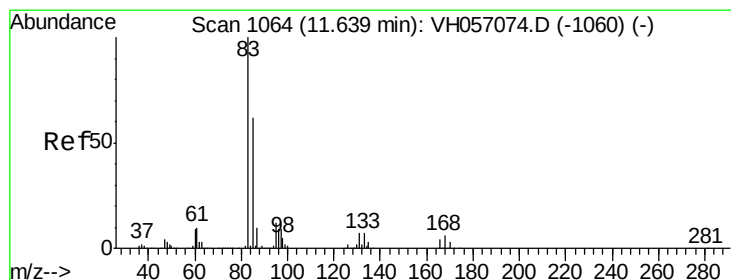
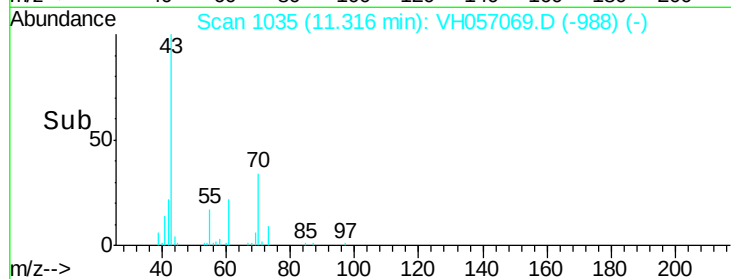
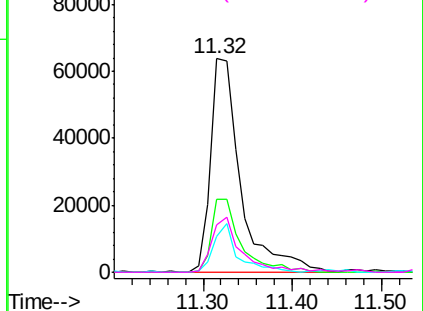
#74
n-Amyl Acetate
Concen: 4.78 ug/l
RT: 11.32 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

Tgt Ion:	43	Resp:	150383
Ion	Ratio	Lower	Upper
43	100		
70	34.1	27.3	40.9
55	16.8	15.3	22.9
61	22.1	19.4	29.0

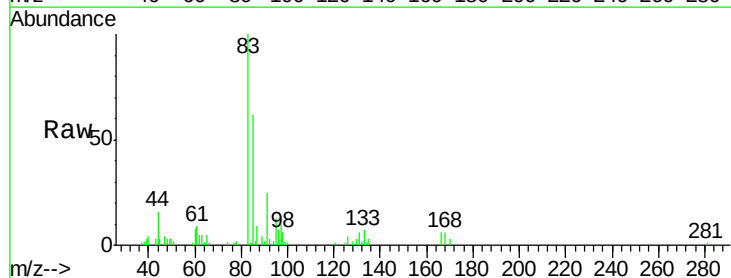


Abundance Ion 43.05 (42.75 to 43.75): VH0
Ion 70.05 (69.75 to 70.75): VH0
Ion 55.05 (54.75 to 55.75): VH0
Ion 61.00 (60.70 to 61.70): VH0

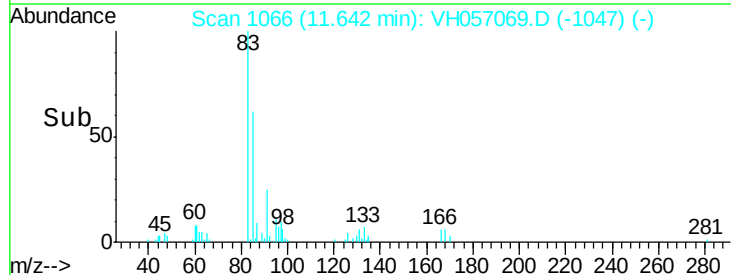
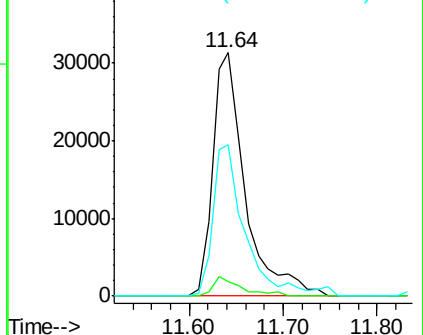


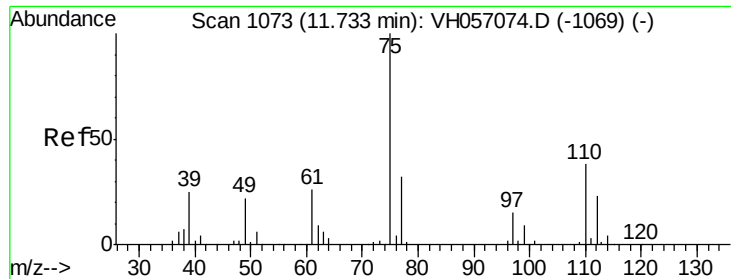
#75
1,1,2,2-Tetrachloroethane
Concen: 5.05 ug/l
RT: 11.64 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion:	83	Resp:	75601
Ion	Ratio	Lower	Upper
83	100		
131	6.2	3.1	9.3
85	62.4	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: 4.89 ug/l

RT: 11.74 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

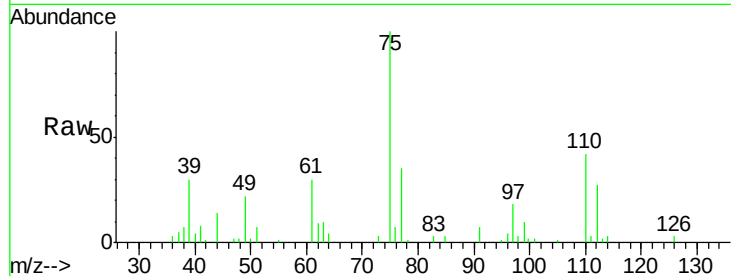
VSTDIC005

Tgt Ion: 75 Resp: 56948

Ion Ratio Lower Upper

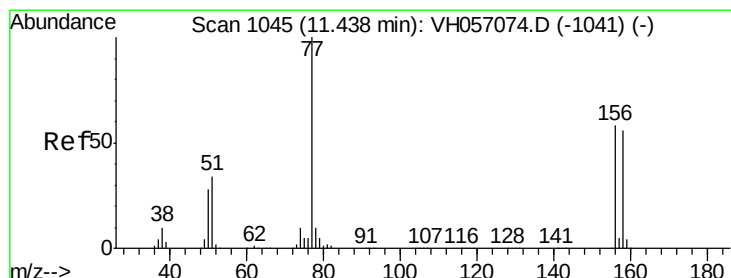
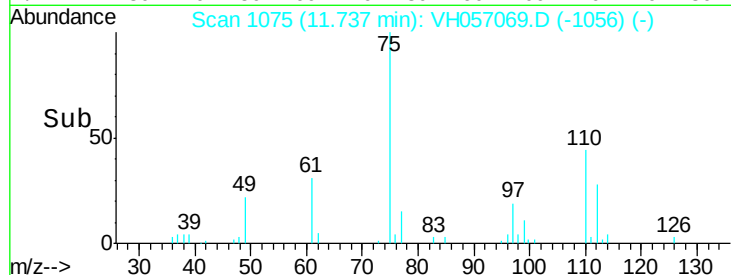
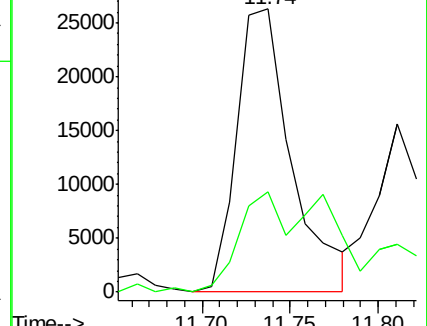
75 100

77 35.4 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: 4.35 ug/l

RT: 11.44 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

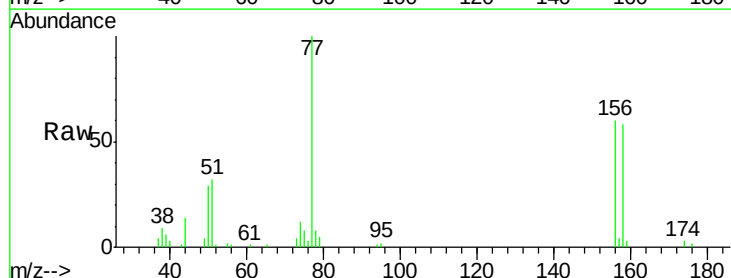
Tgt Ion: 156 Resp: 33959

Ion Ratio Lower Upper

156 100

77 167.0 73.5 220.5

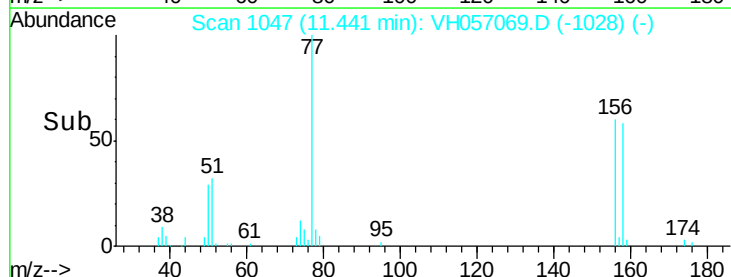
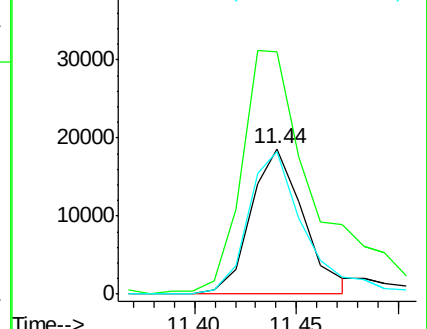
158 97.6 46.8 140.3

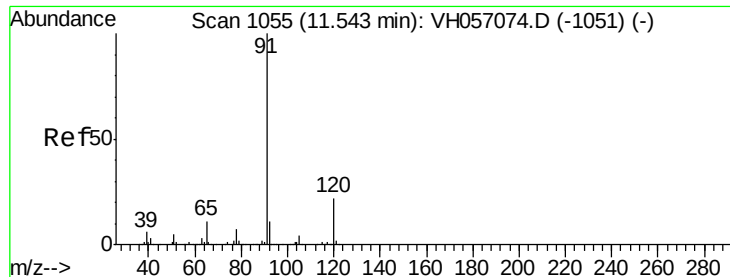


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VH0

Ion 158.00 (157.70 to 158.70): V





#78

n-propylbenzene

Concen: 4.69 ug/l

RT: 11.54 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

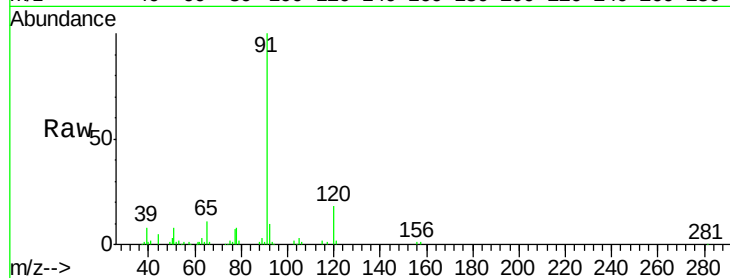
VSTDIC005

Tgt Ion: 91 Resp: 142819

Ion Ratio Lower Upper

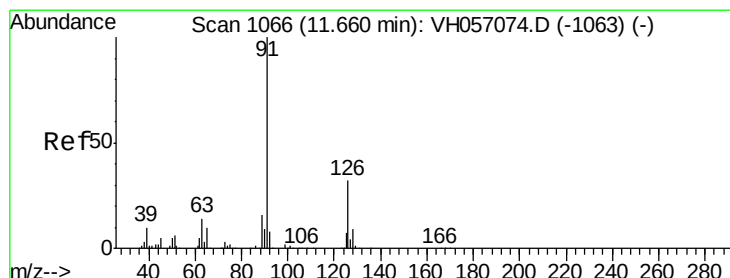
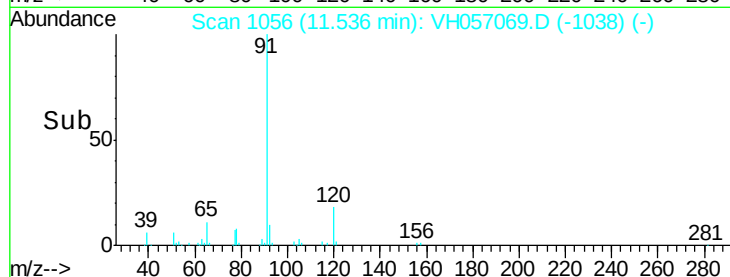
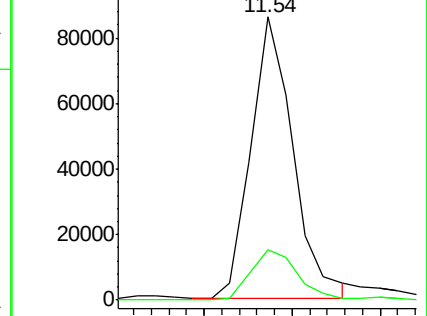
91 100

120 17.8 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: 4.64 ug/l

RT: 11.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VH057069.D

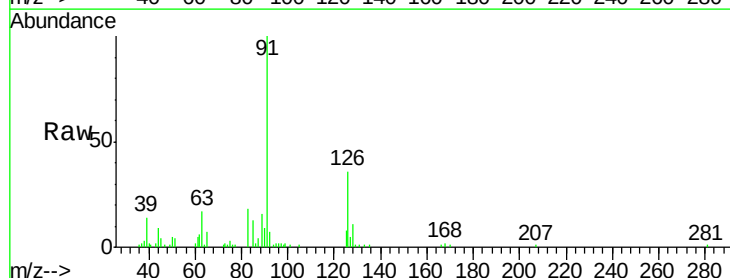
Acq: 17 Sep 2015 16:46

Tgt Ion: 91 Resp: 85519

Ion Ratio Lower Upper

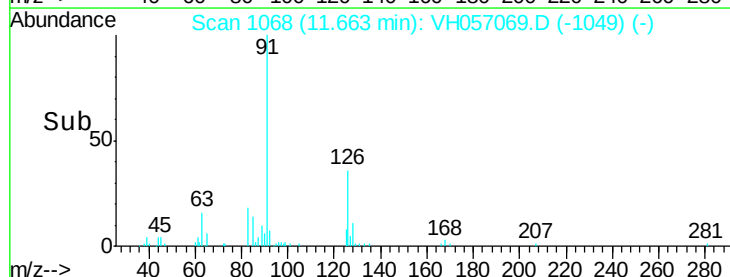
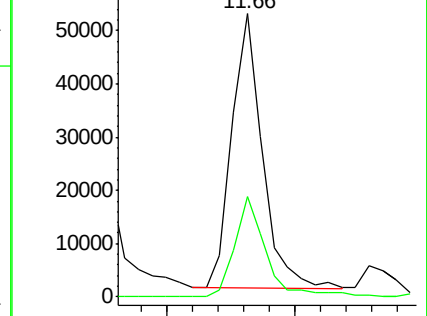
91 100

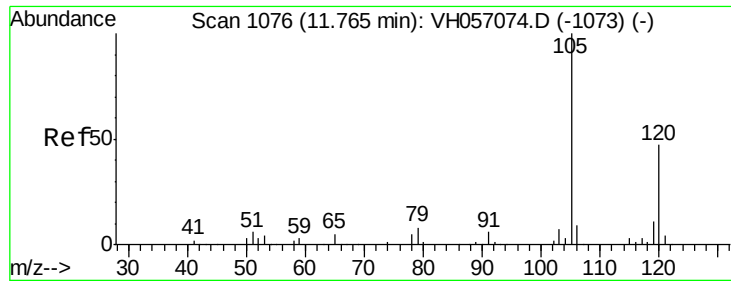
126 35.5 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 126.00 (125.70 to 126.70): V

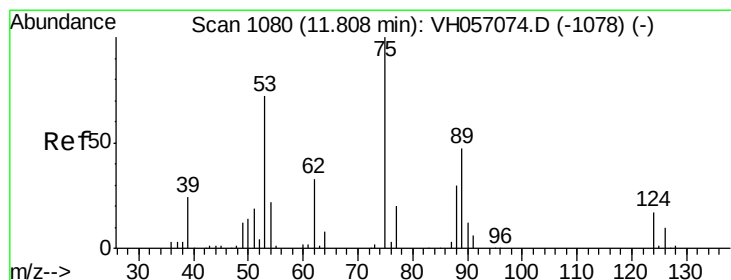
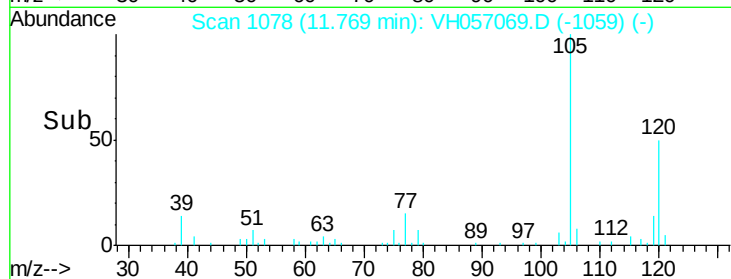
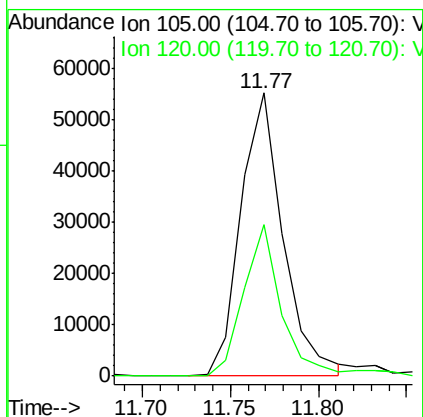
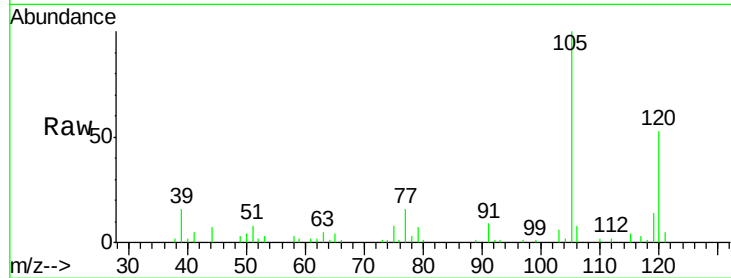




#80
 1,3,5-Trimethylbenzene
 Concen: 5.16 ug/l
 RT: 11.77 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

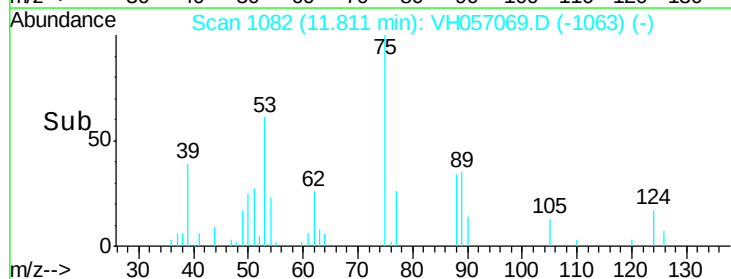
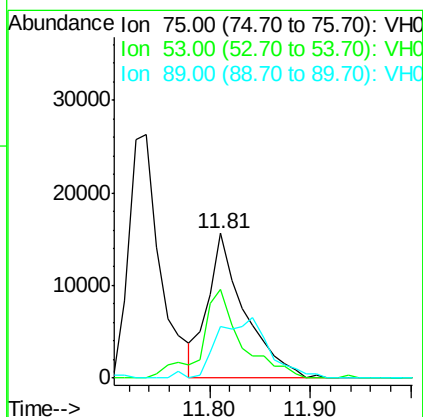
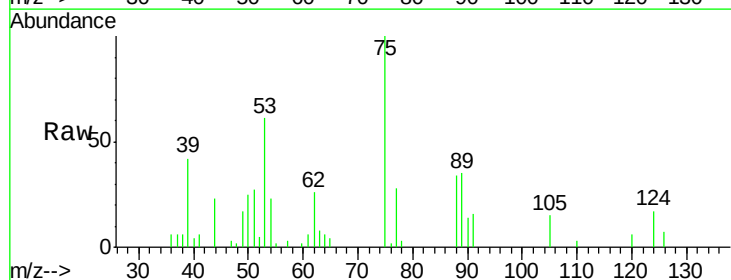
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

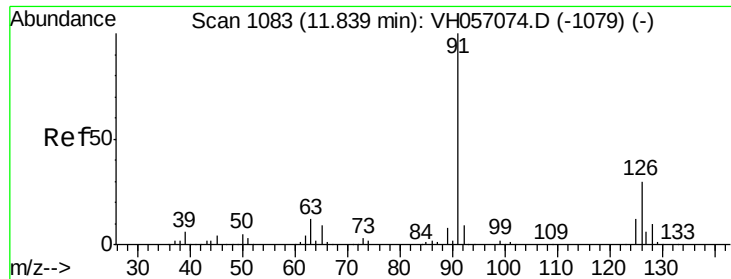
Tgt Ion: 105 Resp: 92394
 Ion Ratio Lower Upper
 105 100
 120 53.4 23.6 71.0



#81
 trans-1,4-Dichloro-2-Butene
 Concen: 4.47 ug/l
 RT: 11.81 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

Tgt Ion: 75 Resp: 39778
 Ion Ratio Lower Upper
 75 100
 53 61.0 32.0 96.2
 89 35.3 21.1 63.3

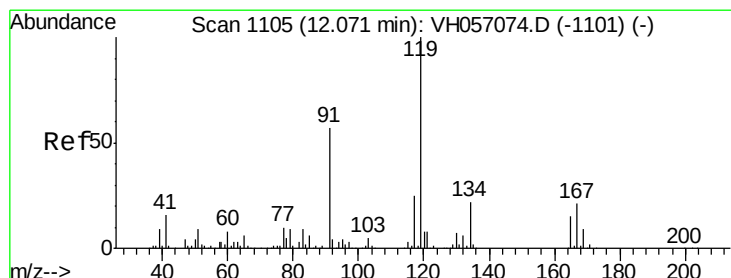
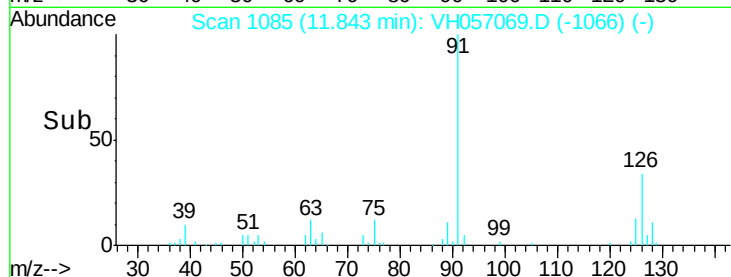
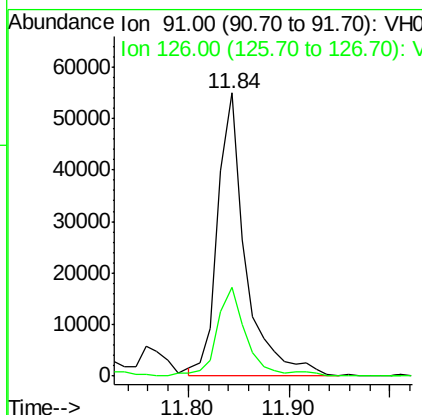
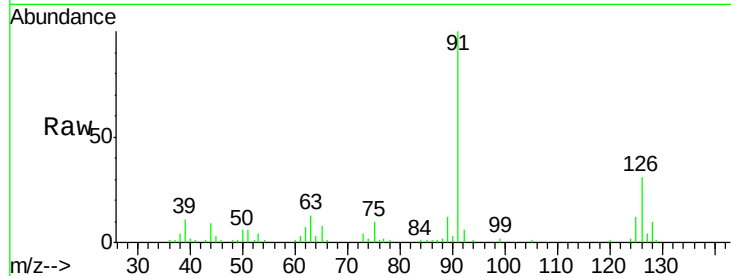




#82
4-Chlorotoluene
Concen: 4.79 ug/l
RT: 11.84 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

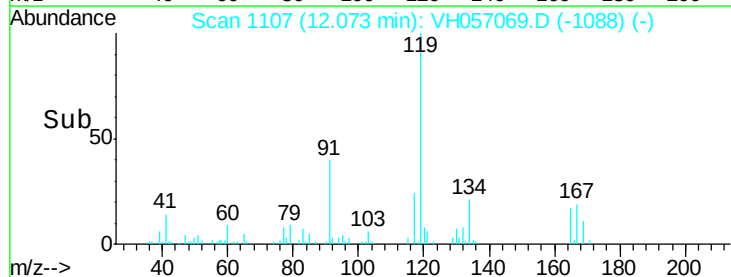
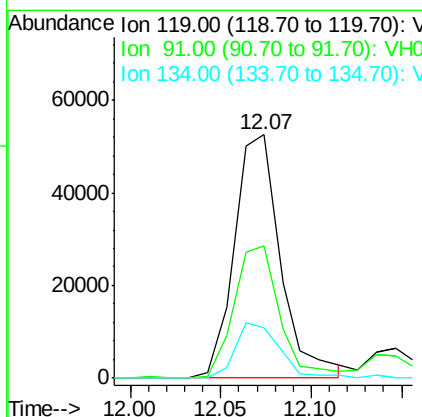
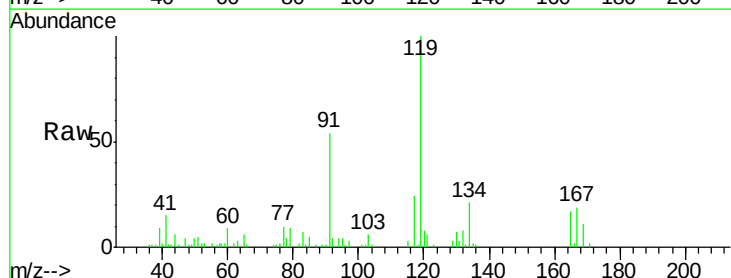
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

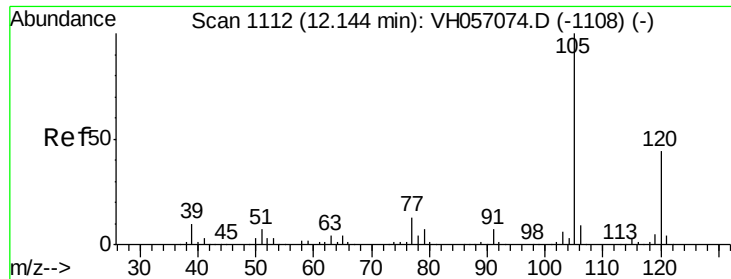
Tgt Ion: 91 Resp: 105499
Ion Ratio Lower Upper
91 100
126 31.4 17.0 51.0



#83
tert-Butylbenzene
Concen: 5.59 ug/l
RT: 12.07 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion: 119 Resp: 94187
Ion Ratio Lower Upper
119 100
91 54.1 28.5 85.6
134 20.7 11.5 34.5

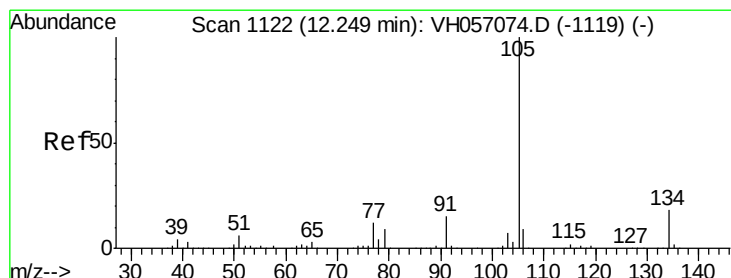
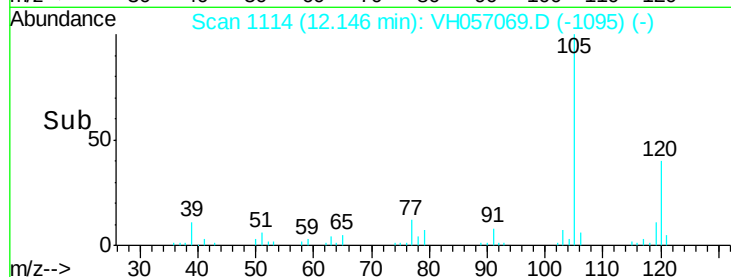
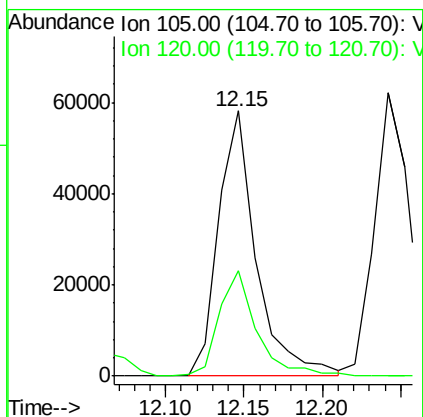
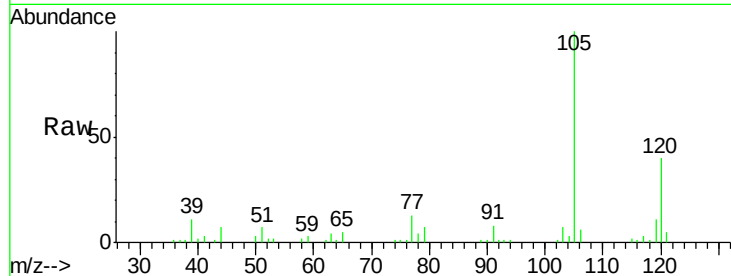




#84
1,2,4-Trimethylbenzene
Concen: 5.37 ug/l
RT: 12.15 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

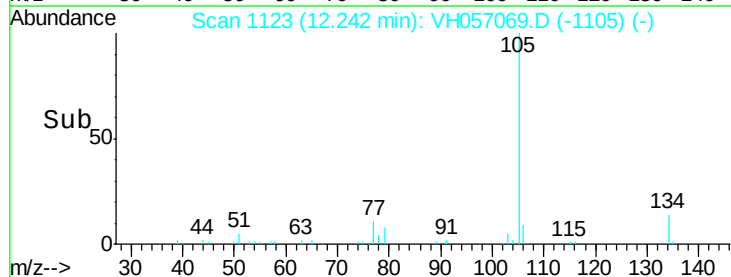
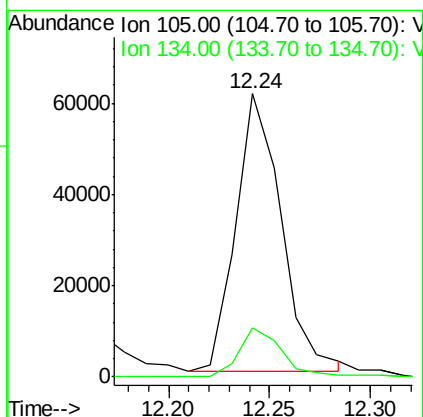
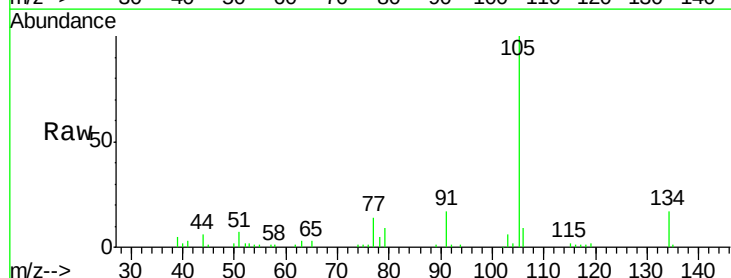
Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

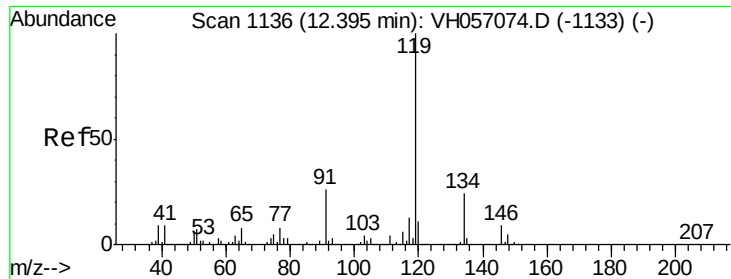
Tgt Ion:105 Resp: 97220
Ion Ratio Lower Upper
105 100
120 39.9 22.6 67.7



#85
sec-Butylbenzene
Concen: 5.29 ug/l
RT: 12.24 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion:105 Resp: 94833
Ion Ratio Lower Upper
105 100
134 17.5 9.1 27.3

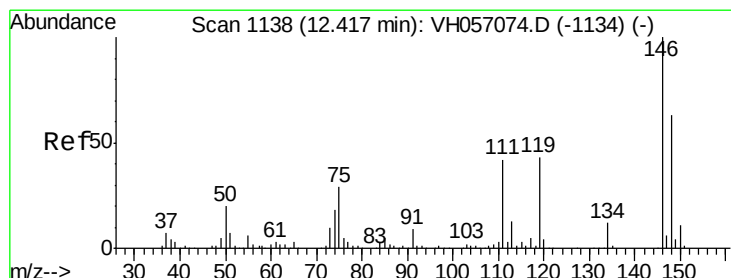
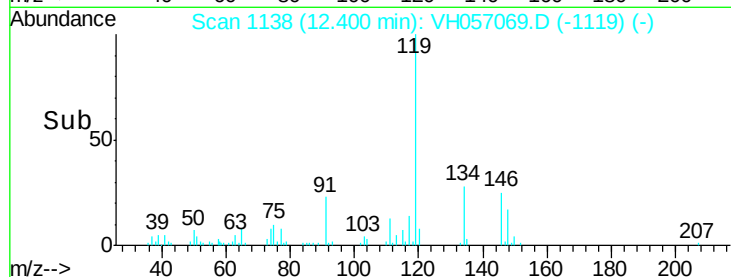
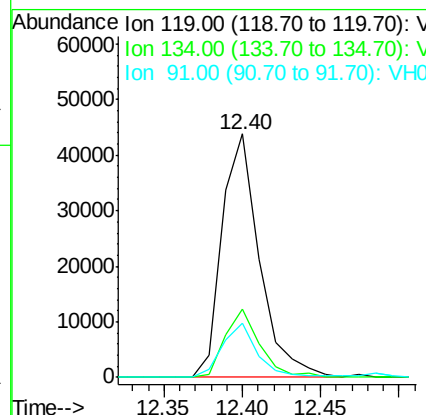
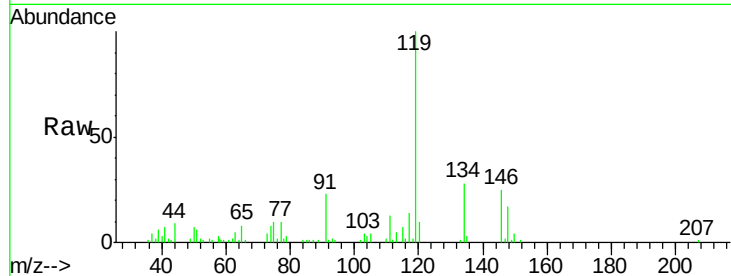




#86
 p-Isopropyltoluene
 Concen: 5.29 ug/l
 RT: 12.40 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

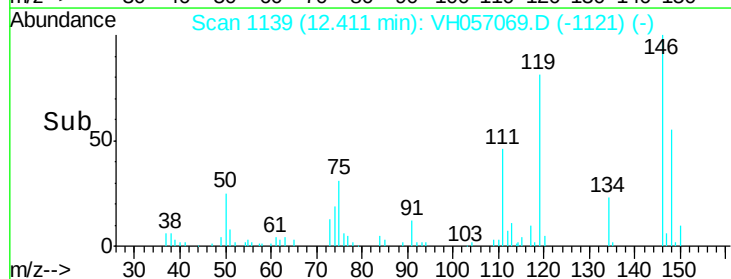
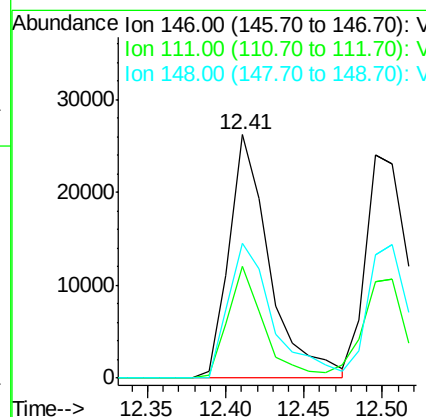
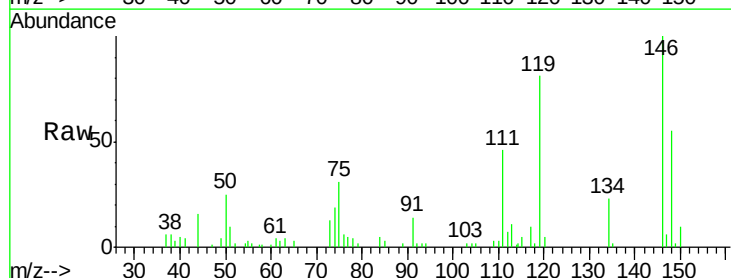
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

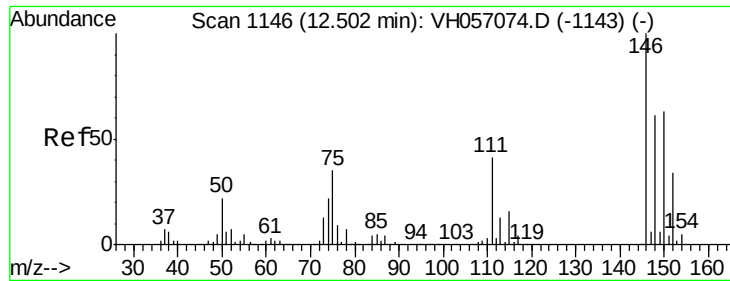
Tgt Ion:119 Resp: 72789
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.0 38.9
 91 22.5 12.5 37.5



#87
 1,3-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 12.41 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

Tgt Ion:146 Resp: 47114
 Ion Ratio Lower Upper
 146 100
 111 45.8 21.0 63.0
 148 55.1 31.6 94.7

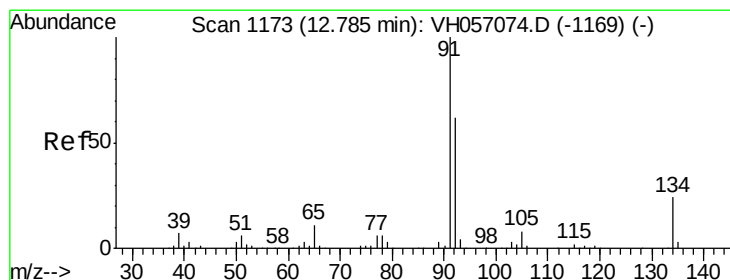
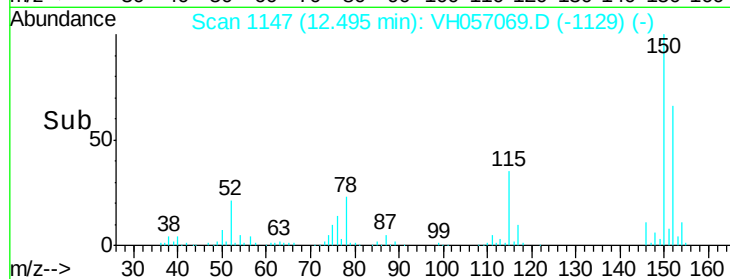
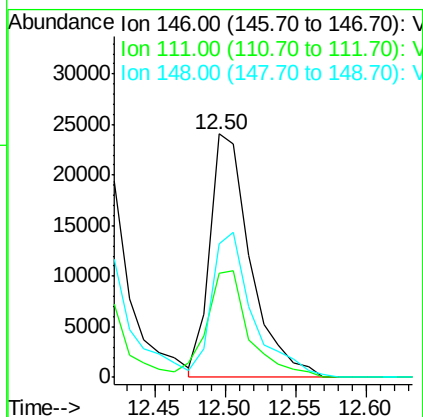
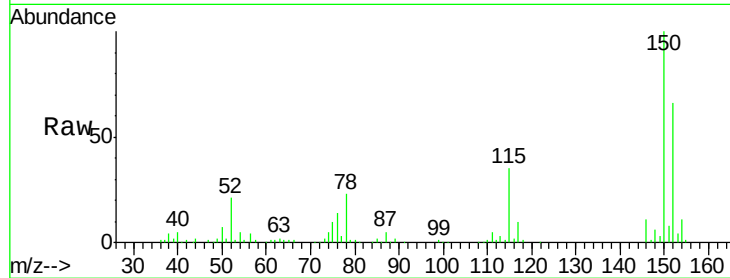




#88
 1,4-Dichlorobenzene
 Concen: 4.95 ug/l
 RT: 12.50 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

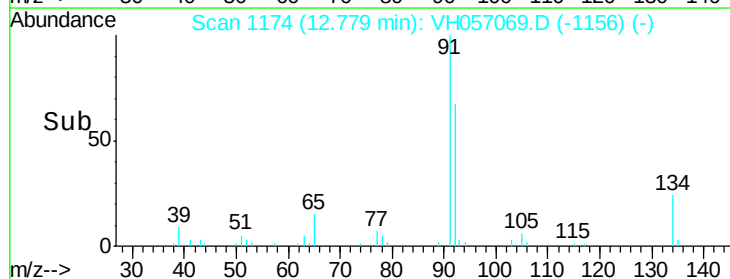
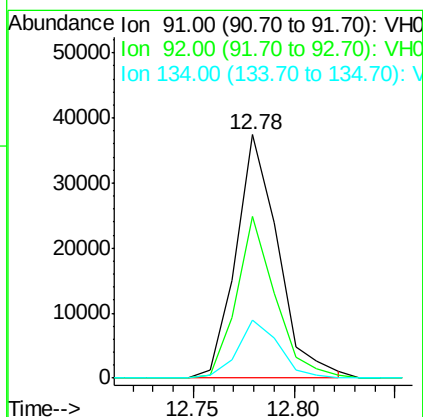
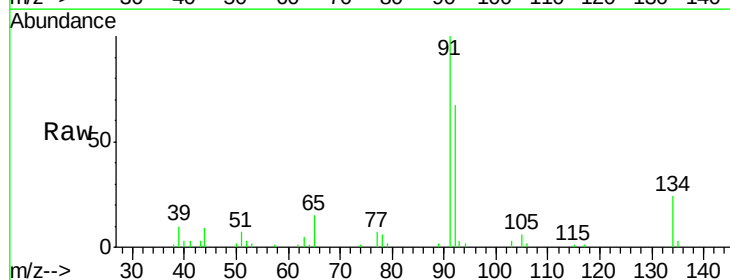
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

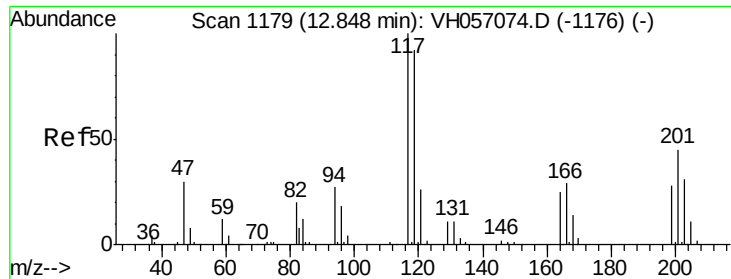
Tgt Ion: 146 Resp: 48564
 Ion Ratio Lower Upper
 146 100
 111 42.9 19.8 59.3
 148 55.0 30.3 90.9



#89
 n-Butylbenzene
 Concen: 5.06 ug/l
 RT: 12.78 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

Tgt Ion: 91 Resp: 54511
 Ion Ratio Lower Upper
 91 100
 92 66.7 31.3 93.9
 134 24.1 10.5 31.6

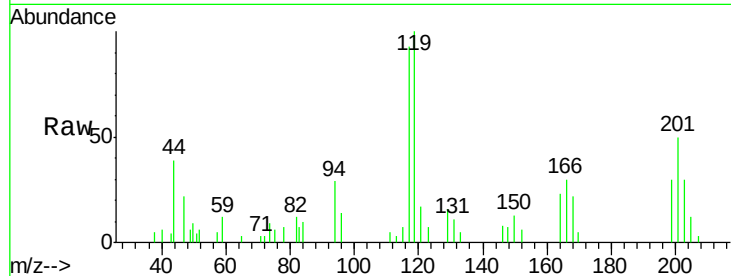




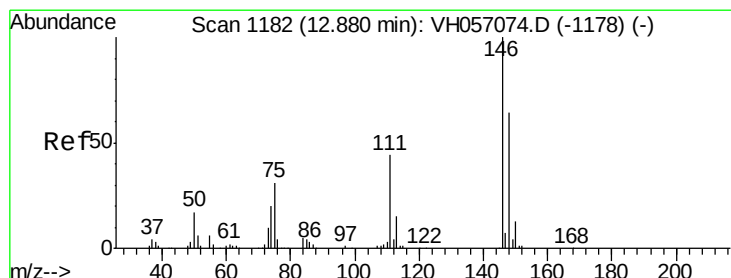
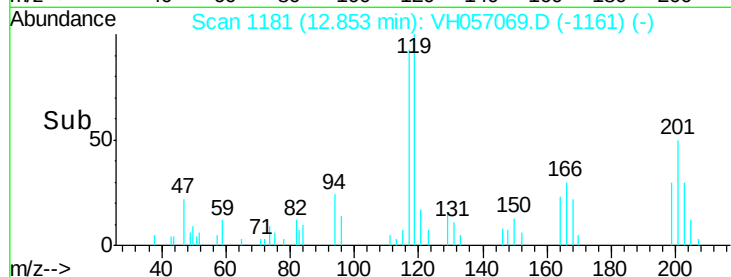
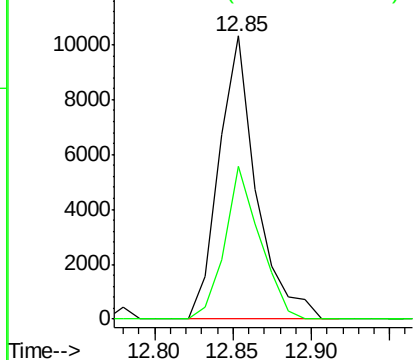
#90
Hexachloroethane
Concen: 5.81 ug/l
RT: 12.85 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Instrument :
MSVOA_H
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 16993
Ion Ratio Lower Upper
117 100
201 54.0 14.0 80.8

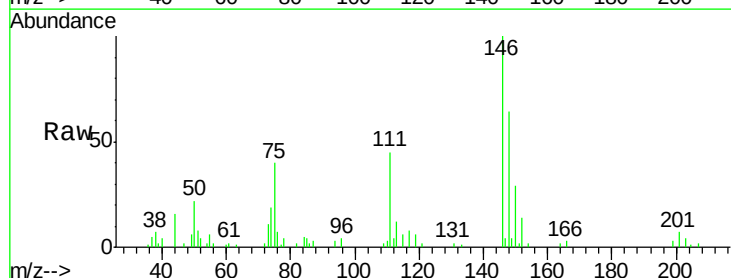


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

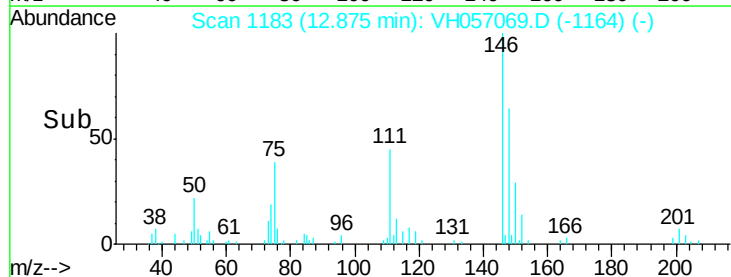
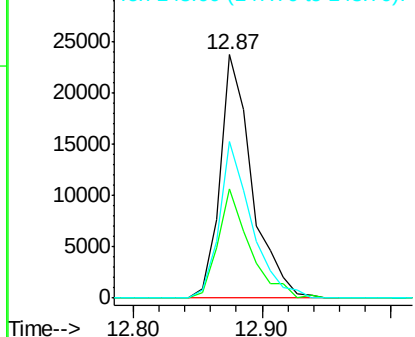


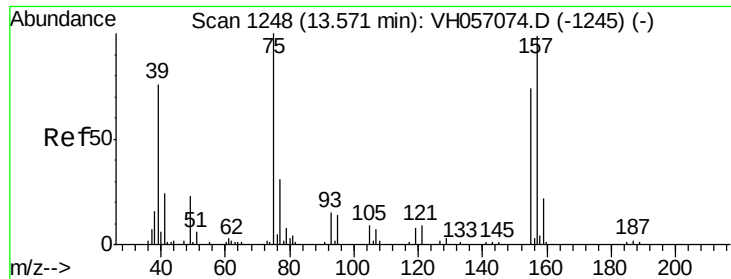
#91
1,2-Dichlorobenzene
Concen: 5.16 ug/l
RT: 12.87 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VH057069.D
Acq: 17 Sep 2015 16:46

Tgt Ion:146 Resp: 41401
Ion Ratio Lower Upper
146 100
111 45.0 22.1 66.1
148 64.4 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: 5.56 ug/l

RT: 13.57 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

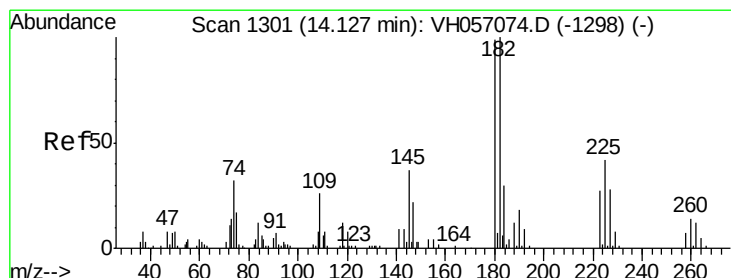
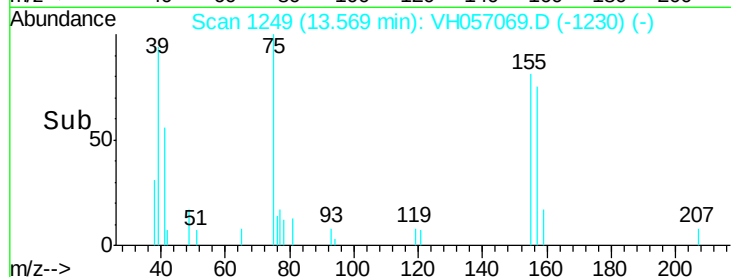
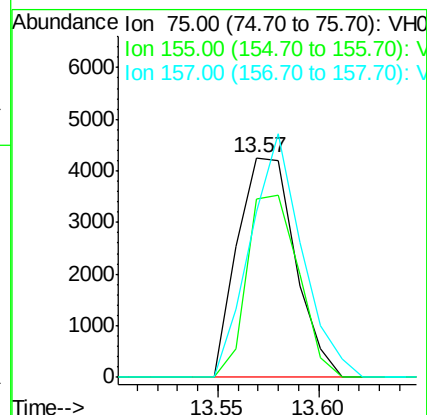
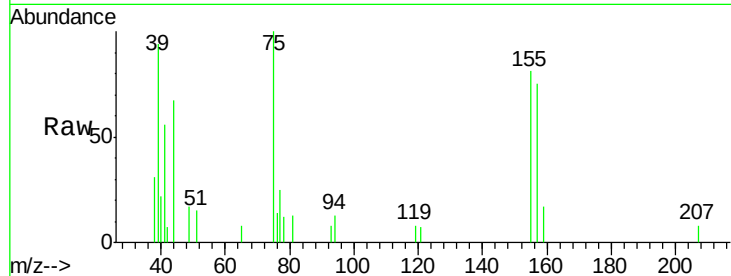
Tgt Ion: 75 Resp: 8431

Ion Ratio Lower Upper

75 100

155 81.1 43.4 130.2

157 75.4 62.8 188.4



#93

1,2,4-Trichlorobenzene

Concen: 7.14 ug/l

RT: 14.13 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

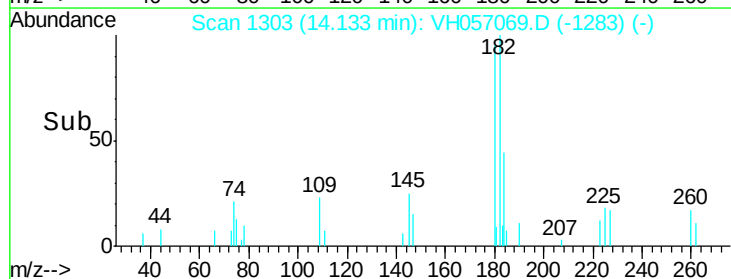
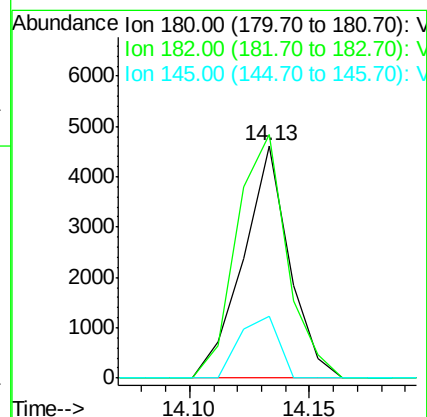
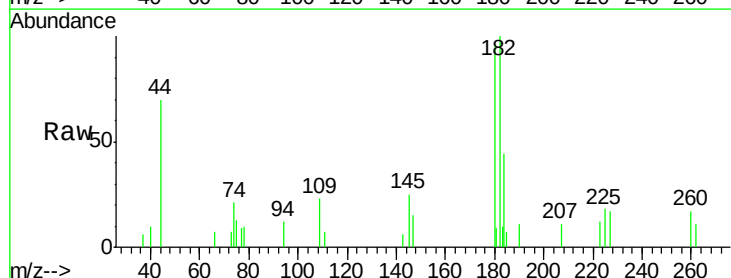
Tgt Ion: 180 Resp: 6196

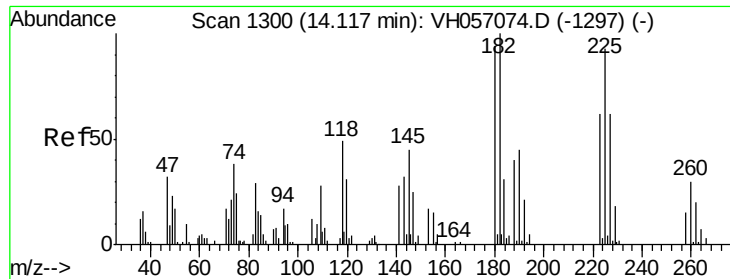
Ion Ratio Lower Upper

180 100

182 104.9 43.0 129.2

145 26.5 17.3 52.0





#94

Hexachlorobutadiene

Concen: 4.75 ug/l

RT: 14.12 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

Instrument :

MSVOA_H

ClientSampleId :

VSTDIC005

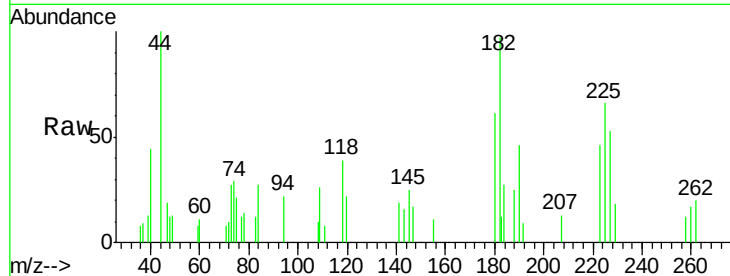
Tgt Ion: 225 Resp: 3454

Ion Ratio Lower Upper

225 100

223 69.8 30.3 90.8

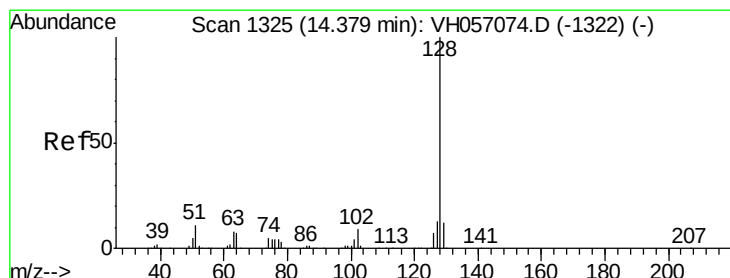
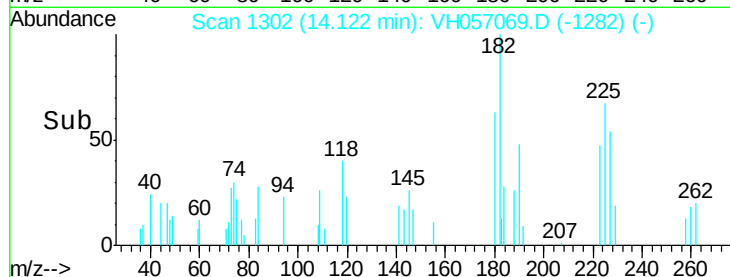
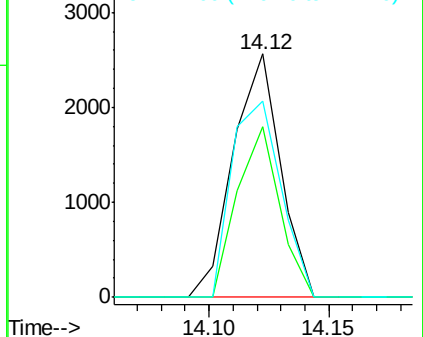
227 80.6 30.5 91.5



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 4.64 ug/l

RT: 14.38 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VH057069.D

Acq: 17 Sep 2015 16:46

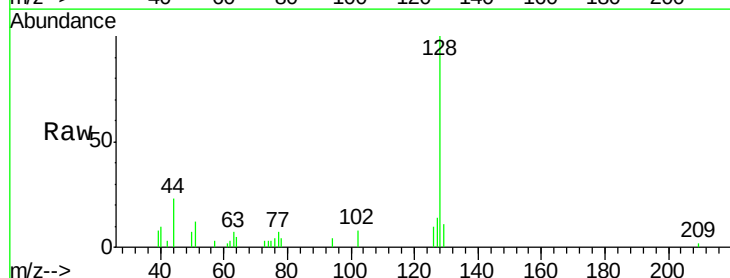
Tgt Ion: 128 Resp: 20069

Ion Ratio Lower Upper

128 100

127 13.6 9.6 14.4

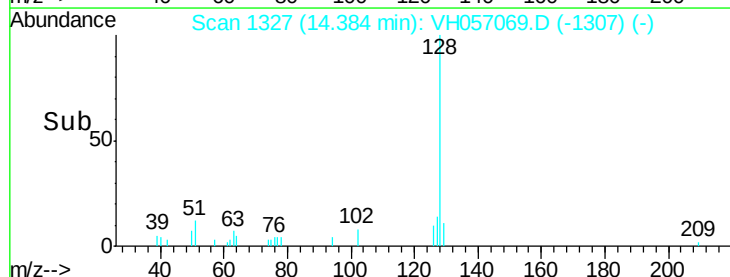
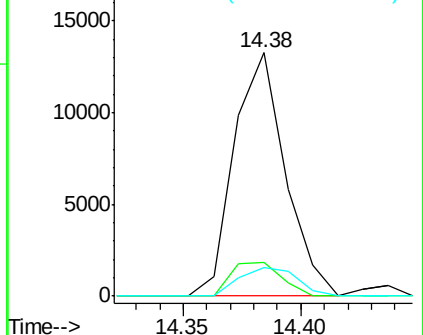
129 11.5 8.7 13.1

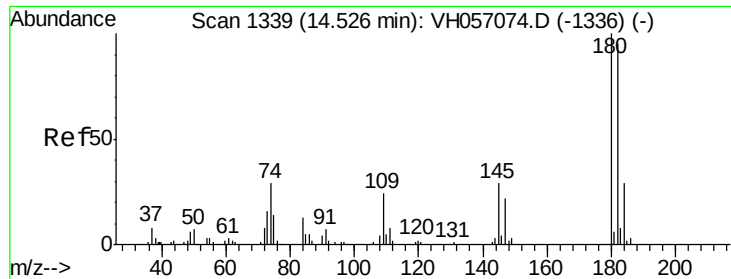


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 6.00 ug/l
 RT: 14.53 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VH057069.D
 Acq: 17 Sep 2015 16:46

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 3584
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.1 141.3
 145 19.1 12.5 37.5

