

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057119.D
 Acq On : 22 Sep 2015 22:27
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5.01g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 23 04:40:57 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	890159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.56	114	1563955	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.72	117	1220012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	348535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.80	65	717878	45.16	ug/l	-0.01
Spiked Amount	50.000	Range	66 - 150	Recovery	=	90.32%
35) Dibromofluoromethane	4.07	113	642554	51.60	ug/l	-0.01
Spiked Amount	50.000	Range	76 - 130	Recovery	=	103.20%
48) Toluene-d8	7.51	98	1854750	51.80	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 121	Recovery	=	103.60%
62) 4-Bromofluorobenzene	11.35	95	615252	50.95	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	101.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	514717	45.75	ug/l	97
3) Chloromethane	1.02	50	623762	44.04	ug/l	95
4) Vinyl Chloride	1.09	62	519040	44.33	ug/l	99
5) Bromomethane	1.27	94	255649	49.81	ug/l	97
6) Chloroethane	1.35	64	243545	51.21	ug/l	98
7) Trichlorofluoromethane	1.40	101	178424	16.29	ug/l	92
8) Tert butyl alcohol	2.54	59	648366	227.17	ug/l	# 96
9) Diethyl Ether	1.60	74	306229	56.56	ug/l	82
10) Diisopropyl ether	2.77	45	1739762	43.84	ug/l	98
11) 1,1-Dichloroethene	1.76	96	456010	55.53	ug/l	83
12) Methyl Iodide	1.86	142	569519	39.35	ug/l	89
13) Acrolein	1.97	56	269893	158.13	ug/l	93
14) 1,1,2-Trichlorotrifluoroet	1.79	101	418014	52.26	ug/l	96
15) Acrylonitrile	2.90	53	1238389	237.92	ug/l	97
16) Allyl Chloride	2.07	41	877320	51.83	ug/l	95
17) Acetone	2.20	43	1450153	217.40	ug/l	97
18) Carbon Disulfide	1.77	76	1254644	51.81	ug/l	98
19) Methyl Acetate	2.32	43	1924233	46.51	ug/l	94
20) Methyl tert-butyl Ether	2.40	73	1664115	50.61	ug/l	99
21) Methylene Chloride	2.19	84	222862	24.80	ug/l	86
22) trans-1,2-Dichloroethene	2.28	96	487562	54.01	ug/l	93
23) Vinyl Acetate	3.15	43	4212542	224.29	ug/l	96
24) 1,1-Dichloroethane	2.84	63	889222	45.50	ug/l	100
25) 2-Butanone	4.29	43	3168007	214.54	ug/l	96
26) 2,2-Dichloropropane	3.56	77	544962	44.42	ug/l	98
27) cis-1,2-Dichloroethene	3.44	96	667381	52.93	ug/l	91
28) Bromochloromethane	3.68	128	209164	49.66	ug/l	83
29) Chloroform	3.83	83	1129620	48.90	ug/l	96
30) Cyclohexane	3.66	56	694395	44.35	ug/l	92
31) Tetrahydrofuran	4.04	42	1850620	223.28	ug/l	# 88
32) 1,1,1-Trichloroethane	4.06	97	706868	42.51	ug/l	97
36) 1,1-Dichloropropene	4.25	75	840329	48.90	ug/l	95
37) Ethyl acetate	4.08	43	1489453	46.17	ug/l	# 54
38) Carbon Tetrachloride	3.95	117	624346	46.67	ug/l	95

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057119.D
 Acq On : 22 Sep 2015 22:27
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5.01g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Sep 23 04:40:57 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.60	78	2077539	50.77	ug/l	96
40) Methacrylonitrile	4.70	41	669720	46.91	ug/l	91
41) 1,2-Dichloroethane	4.90	62	852612	47.21	ug/l	99
42) Isopropyl Acetate	5.45	43	1939947	46.06	ug/l #	93
43) Trichloroethene	5.47	130	572785	55.08	ug/l	97
44) Methylcyclohexane	5.43	83	475840	48.04	ug/l	88
45) 1,2-Dichloropropane	6.19	63	649603	50.07	ug/l	95
46) Dibromomethane	6.04	93	425443	50.43	ug/l	98
47) Bromodichloromethane	6.34	83	860751	49.81	ug/l	93
49) 4-Methyl-2-Pentanone	8.21	43	5706155	223.64	ug/l	98
50) Toluene	7.58	92	1388075	52.98	ug/l	97
51) t-1,3-Dichloropropene	8.22	75	946704	47.78	ug/l	99
52) Methyl Methacrylate	6.67	69	684136	53.29	ug/l	96
53) 1,4-Dioxane	6.66	88	159142	1056.88	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	1063339	50.54	ug/l	94
55) 1,1,2-Trichloroethane	8.43	97	569304	51.18	ug/l	93
56) Ethyl Methacrylate	8.57	69	1141566	51.97	ug/l	92
57) 1,3-Dichloropropane	8.79	76	1152774	50.96	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.25	63	2883230	265.46	ug/l #	89
59) 2-Hexanone	9.43	43	4450103	223.22	ug/l	97
60) Dibromochloromethane	8.65	129	675270	53.55	ug/l	99
61) 1,2-Dibromoethane	8.93	107	702549	54.89	ug/l	96
64) Tetrachloroethene	8.10	164	385195	55.72	ug/l	95
65) Chlorobenzene	9.74	112	1436259	54.10	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.86	131	487461	53.21	ug/l	98
67) Ethyl Benzene	9.83	106	669057	52.65	ug/l	97
68) m/p-Xylenes	10.06	106	1655132	107.08	ug/l	98
69) o-Xylene	10.65	106	809103	54.51	ug/l	97
70) Styrene	10.73	104	1391768	53.69	ug/l	99
71) Bromoform	10.71	173	429502	54.80	ug/l	99
73) Isopropylbenzene	11.06	105	1639440	51.51	ug/l	98
74) n-Amyl Acetate	11.32	43	1678846	49.64	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.63	83	876857	52.55	ug/l	99
76) 1,2,3-Trichloropropane	11.72	75	686626	52.44	ug/l	94
77) Bromobenzene	11.43	156	506696	55.93	ug/l	88
78) n-propylbenzene	11.53	91	1688197	49.61	ug/l	96
79) 2-Chlorotoluene	11.66	91	1038891	50.61	ug/l	98
80) 1,3,5-Trimethylbenzene	11.77	105	1075329	51.70	ug/l	94
81) trans-1,4-Dichloro-2-Buten	11.81	75	485995	50.93	ug/l	96
82) 4-Chlorotoluene	11.83	91	1270479	51.23	ug/l	93
83) tert-Butylbenzene	12.06	119	966119	49.20	ug/l	97
84) 1,2,4-Trimethylbenzene	12.14	105	1066905	49.70	ug/l	100
85) sec-Butylbenzene	12.24	105	1018066	48.48	ug/l	100
86) p-Isopropyltoluene	12.39	119	819703	51.41	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	575871	53.27	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	605586	54.10	ug/l	99
89) n-Butylbenzene	12.77	91	650391	51.03	ug/l	99
90) Hexachloroethane	12.84	117	157039	46.53	ug/l	83
91) 1,2-Dichlorobenzene	12.88	146	511734	52.54	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.57	75	93861	50.16	ug/l	92

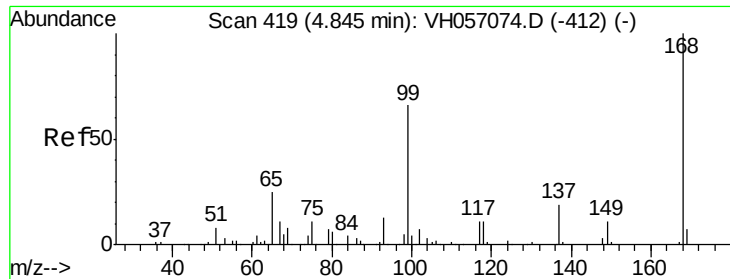
Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057119.D
Acq On : 22 Sep 2015 22:27
Operator : SY/FY
Sample : VSTDCCC050
Misc : 5.01g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 23 04:40:57 2015
Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:34:01 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	107174	49.15	ug/l	82
94) Hexachlorobutadiene	14.12	225	56927	56.49	ug/l	97
95) Naphthalene	14.38	128	442102	49.93	ug/l	98
96) 1,2,3-Trichlorobenzene	14.53	180	75127	50.33	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.84 min Scan# 419

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

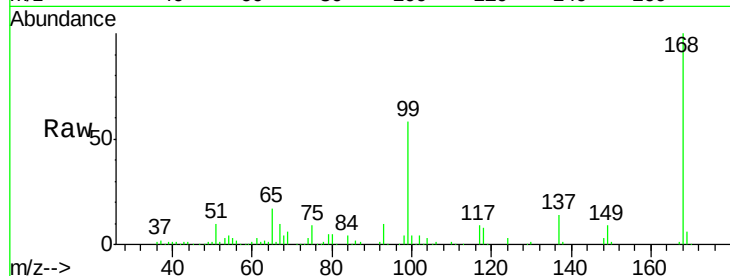
VSTDCCC050EC

Tgt Ion:168 Resp: 890159

Ion Ratio Lower Upper

168 100

99 57.8 55.8 83.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VHO

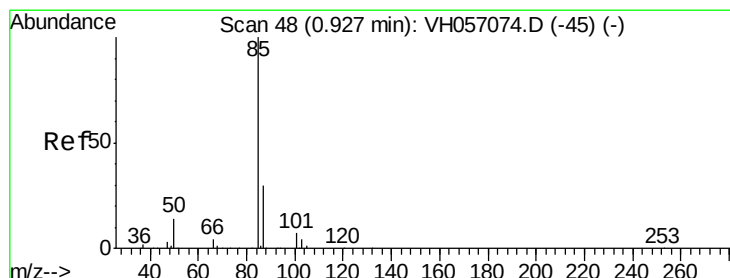
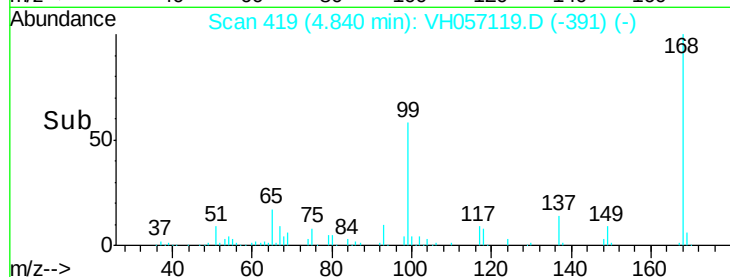
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.75 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057119.D

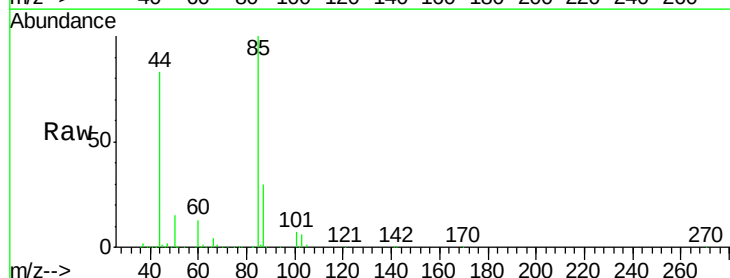
Acq: 22 Sep 2015 22:27

Tgt Ion: 85 Resp: 514717

Ion Ratio Lower Upper

85 100

87 30.3 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VHO

Ion 87.00 (86.70 to 87.70): VHO

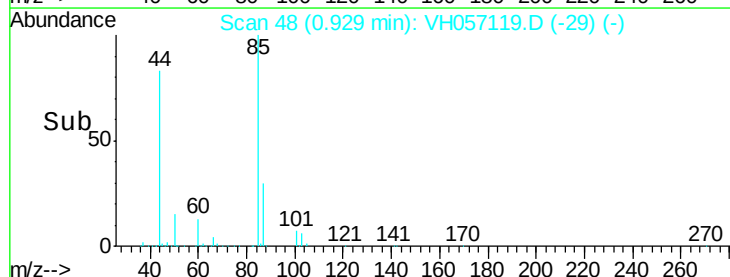
150000

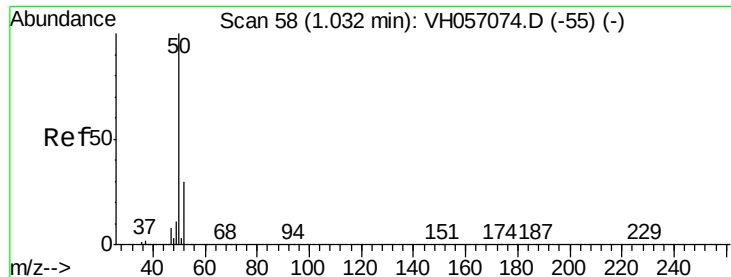
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.04 ug/l

RT: 1.02 min Scan# 57

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

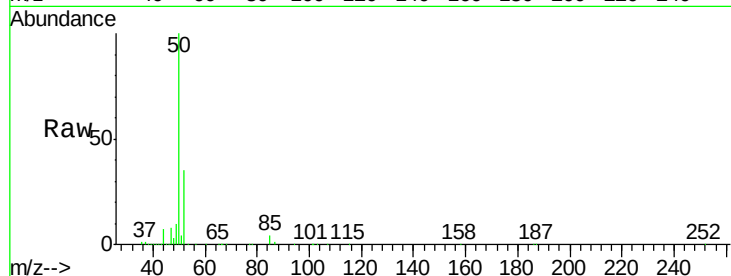
VSTDCCC050EC

Tgt Ion: 50 Resp: 623762

Ion Ratio Lower Upper

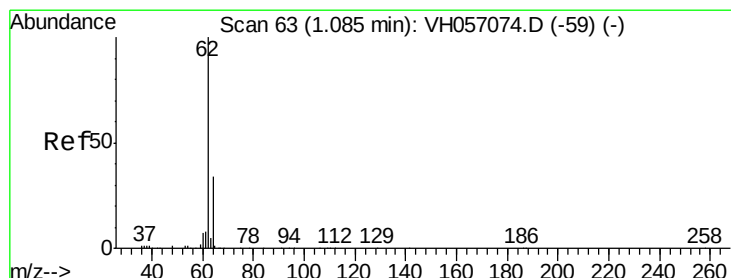
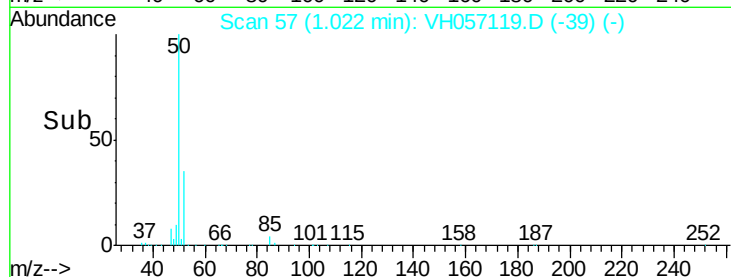
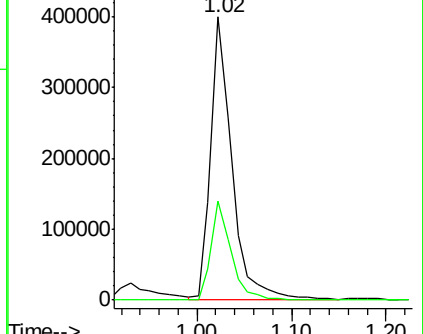
50 100

52 35.2 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0



#4

Vinyl Chloride

Concen: 44.33 ug/l

RT: 1.09 min Scan# 63

Delta R.T. 0.00 min

Lab File: VH057119.D

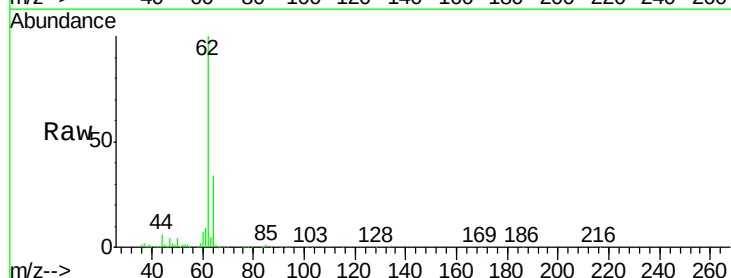
Acq: 22 Sep 2015 22:27

Tgt Ion: 62 Resp: 519040

Ion Ratio Lower Upper

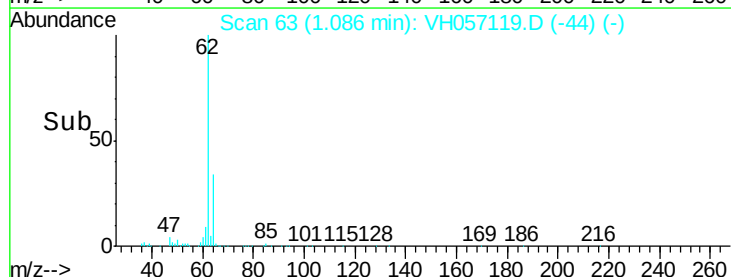
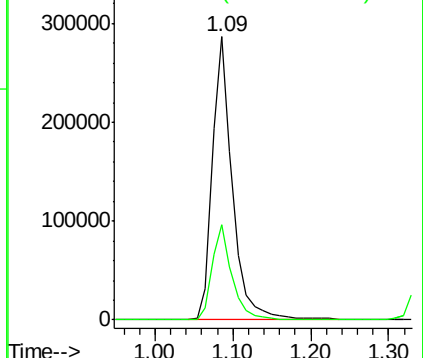
62 100

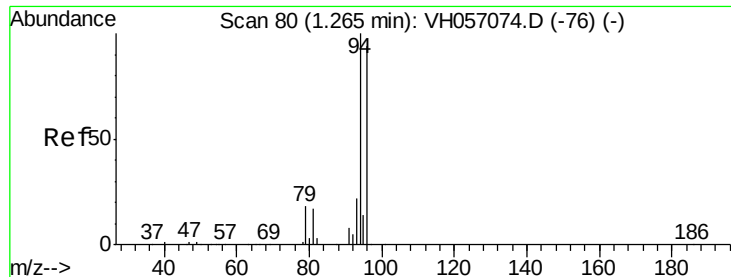
64 33.6 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VH0

Ion 64.00 (63.70 to 64.70): VH0





#5

Bromomethane

Concen: 49.81 ug/l

RT: 1.27 min Scan# 80

Delta R.T. 0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

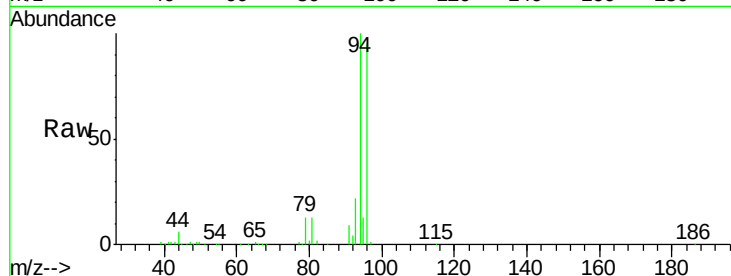
VSTDCCC050EC

Tgt Ion: 94 Resp: 255649

Ion Ratio Lower Upper

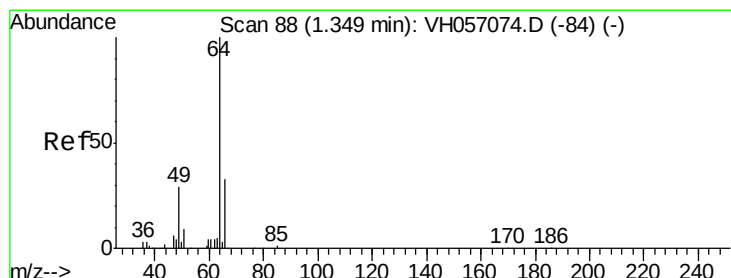
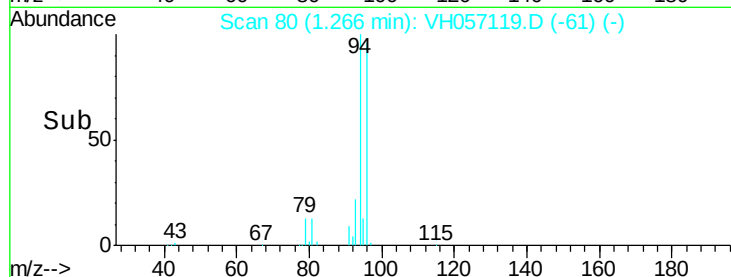
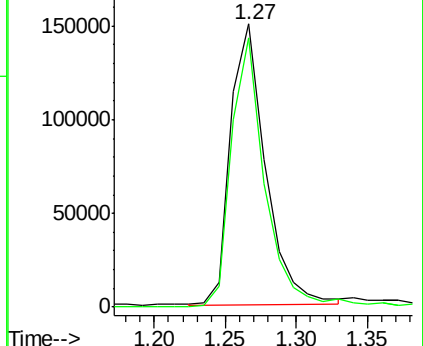
94 100

96 95.2 78.5 117.7



Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: 51.21 ug/l

RT: 1.35 min Scan# 88

Delta R.T. 0.00 min

Lab File: VH057119.D

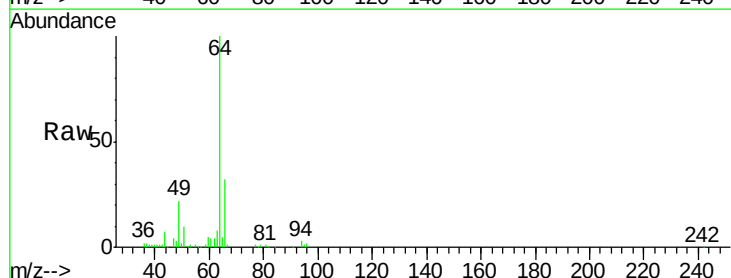
Acq: 22 Sep 2015 22:27

Tgt Ion: 64 Resp: 243545

Ion Ratio Lower Upper

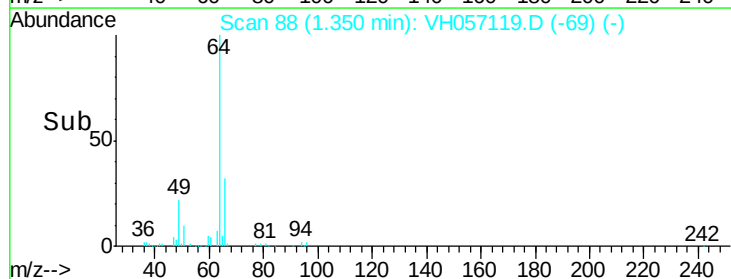
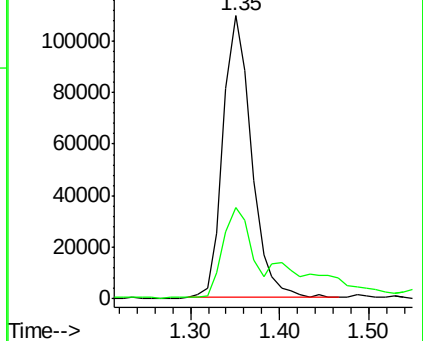
64 100

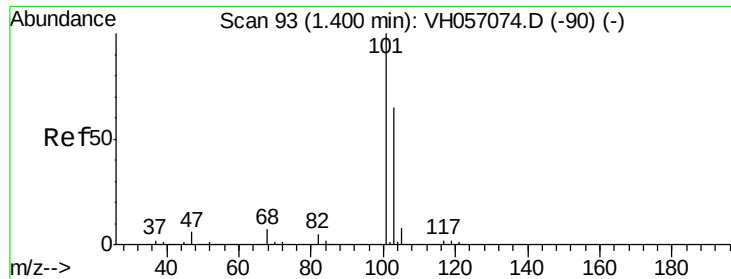
66 32.4 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0



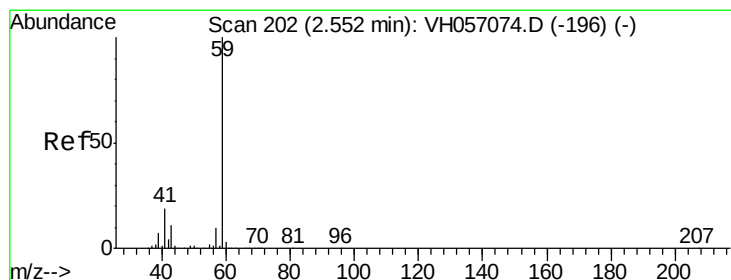
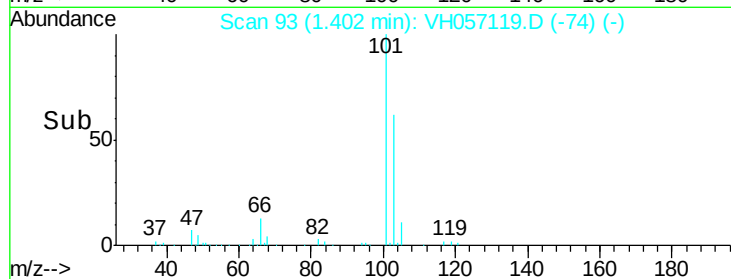
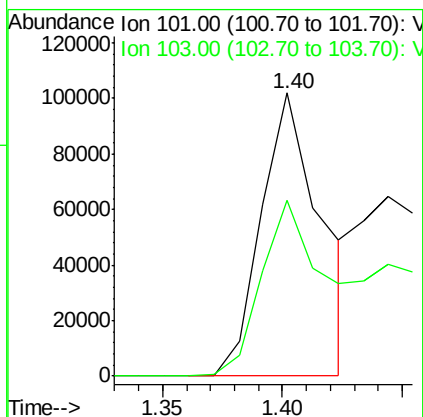
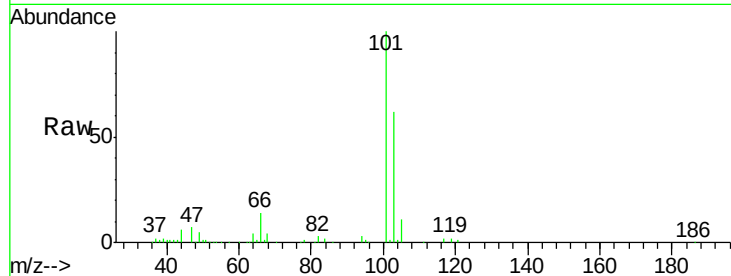


#7

Trichlorofluoromethane
 Concen: 16.29 ug/l
 RT: 1.40 min Scan# 93
 Delta R.T. 0.00 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

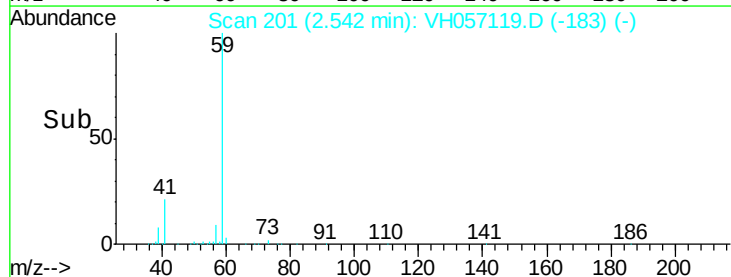
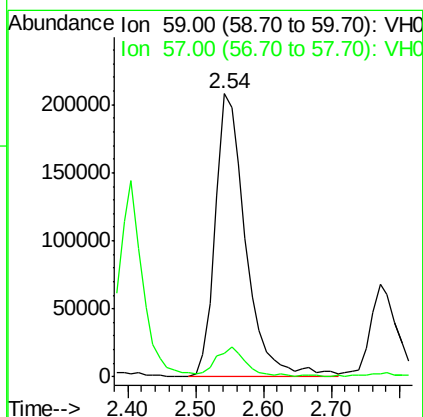
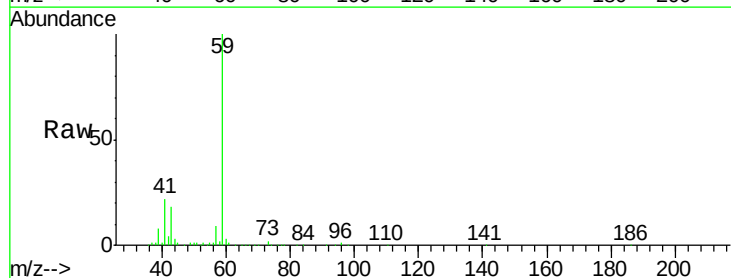
Tgt Ion: 101 Resp: 178424
 Ion Ratio Lower Upper
 101 100
 103 62.2 54.9 82.3

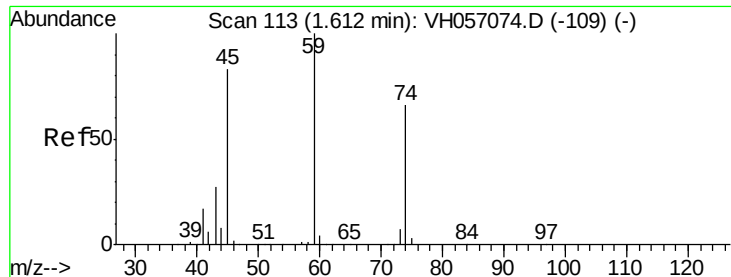


#8

Tert butyl alcohol
 Concen: 227.17 ug/l
 RT: 2.54 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion: 59 Resp: 648366
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.0 11.0#





#9

Diethyl Ether

Concen: 56.56 ug/l

RT: 1.60 min Scan# 112

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

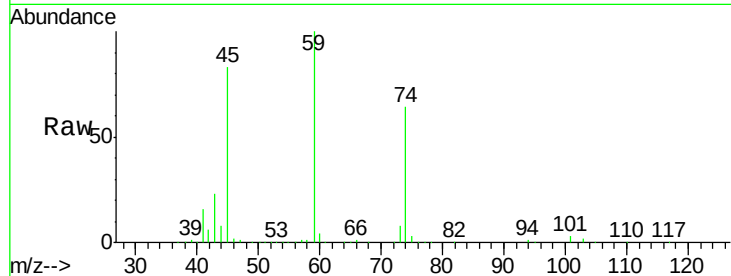
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 74 Resp: 306229

Ion Ratio Lower Upper

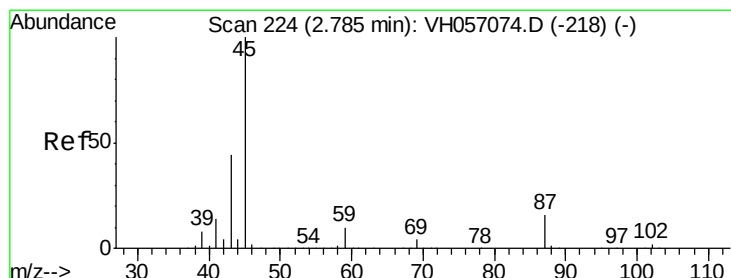
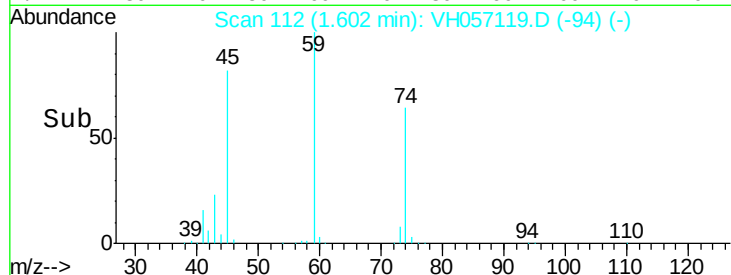
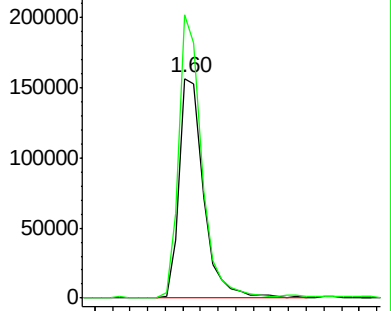
74 100

45 129.0 0.0 304.4



Abundance Ion 74.00 (73.70 to 74.70): VH0

Ion 45.00 (44.70 to 45.70): VH0



#10

Diisopropyl ether

Concen: 43.84 ug/l

RT: 2.77 min Scan# 223

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Tgt Ion: 45 Resp: 1739762

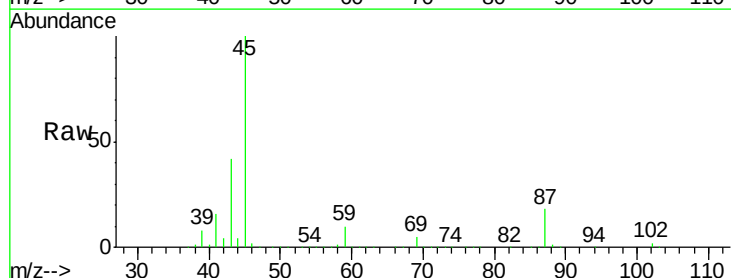
Ion Ratio Lower Upper

45 100

43 42.1 34.6 52.0

87 18.0 12.6 19.0

59 10.3 8.4 12.6

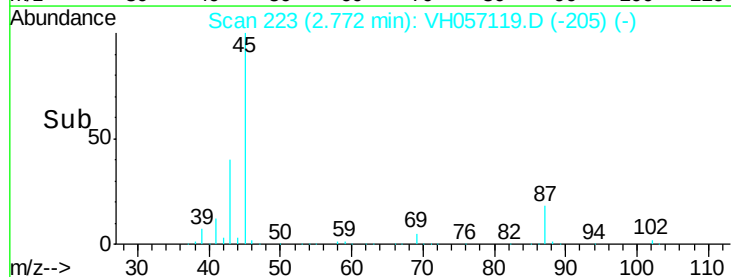
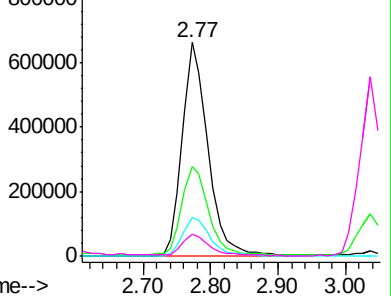


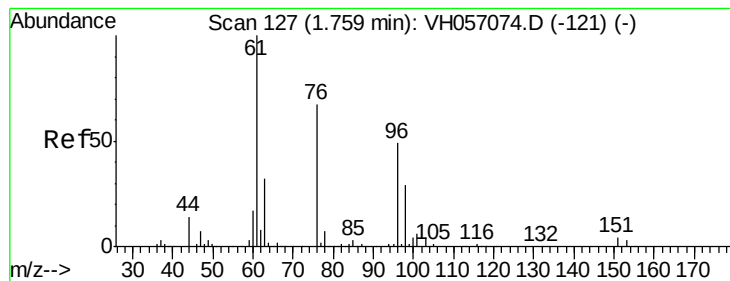
Abundance Ion 45.00 (44.70 to 45.70): VH0

Ion 43.00 (42.70 to 43.70): VH0

Ion 87.00 (86.70 to 87.70): VH0

Ion 59.00 (58.70 to 59.70): VH0





#11

1,1-Dichloroethene

Concen: 55.53 ug/l

RT: 1.76 min Scan# 127

Delta R.T. 0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

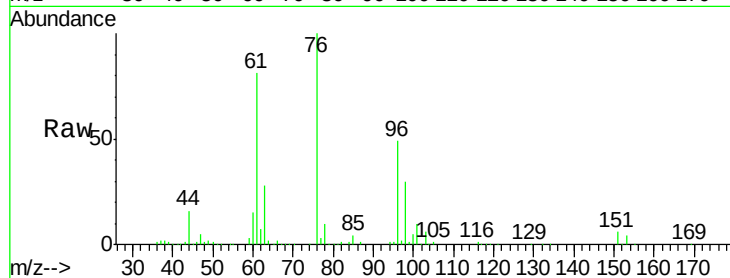
Tgt Ion: 96 Resp: 456010

Ion Ratio Lower Upper

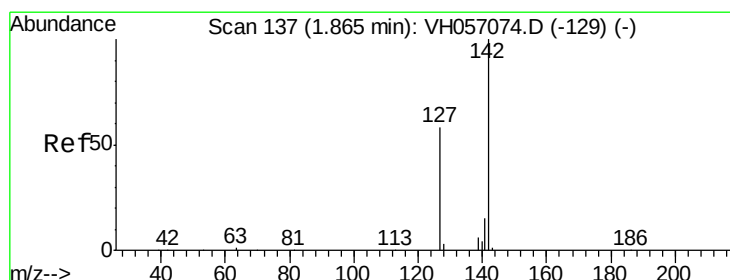
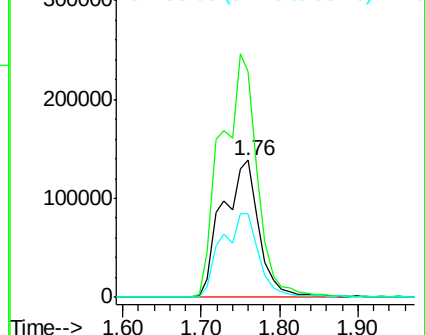
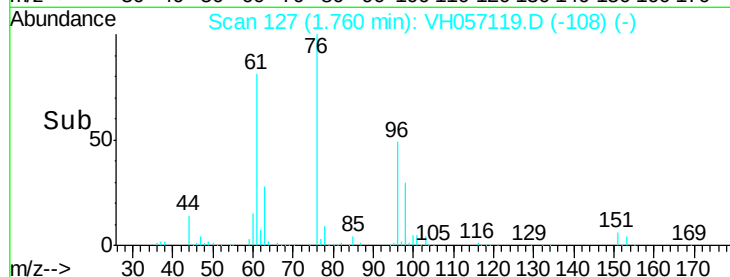
96 100

61 164.6 158.4 237.6

98 61.4 50.6 75.8



Abundance Ion 96.00 (95.70 to 96.70): VH057119.D (-108) (-)



#12

Methyl Iodide

Concen: 39.35 ug/l

RT: 1.86 min Scan# 136

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

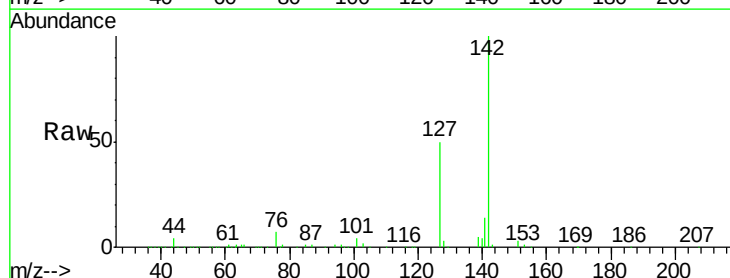
Tgt Ion: 142 Resp: 569519

Ion Ratio Lower Upper

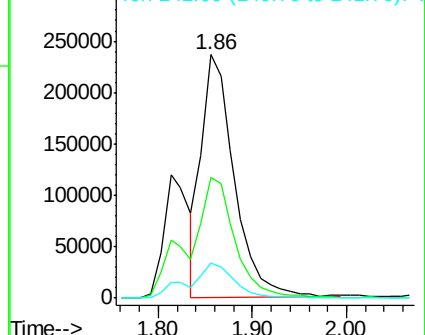
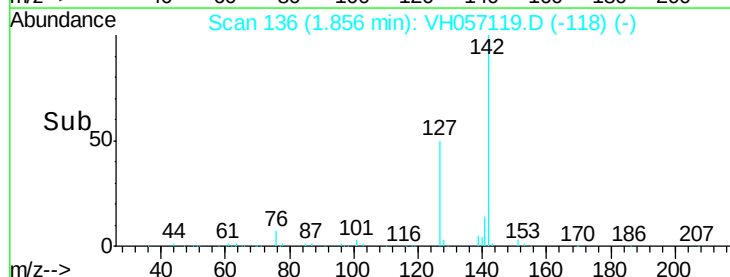
142 100

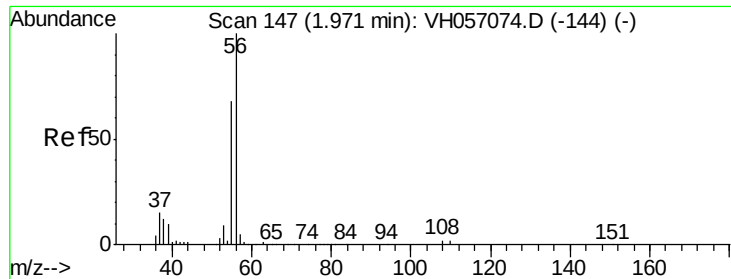
127 49.8 30.0 90.1

141 14.3 7.1 21.4



Abundance Ion 142.00 (141.70 to 142.70): VH057119.D (-118) (-)





#13

Acrolein

Concen: 158.13 ug/l

RT: 1.97 min Scan# 147

Delta R.T. 0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

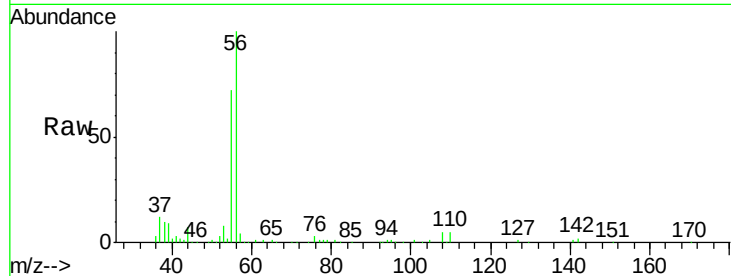
VSTDCCC050EC

Tgt Ion: 56 Resp: 269893

Ion Ratio Lower Upper

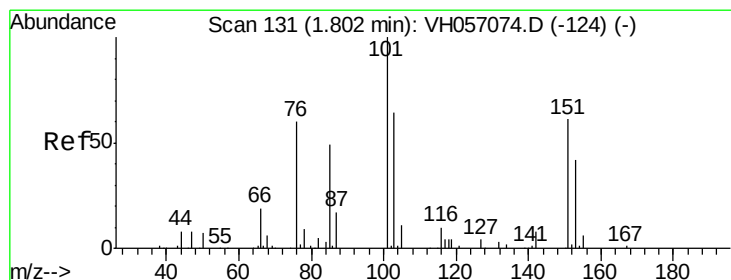
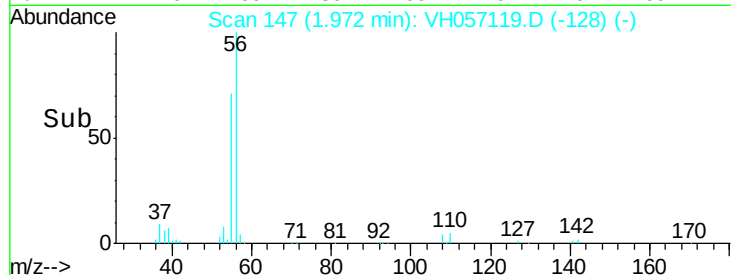
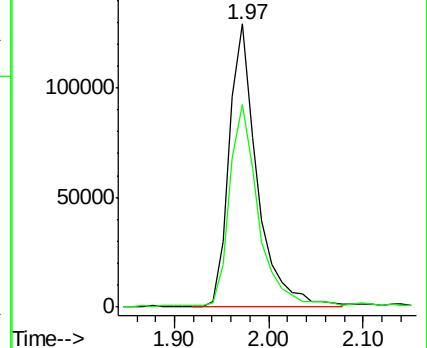
56 100

55 71.8 52.9 79.3



Abundance Ion 56.00 (55.70 to 56.70): VH057119.D (-128) (-)

Ion 55.00 (54.70 to 55.70): VH057119.D (-128) (-)



#14

1,1,2-Trichlorotrifluoroethane

Concen: 52.26 ug/l

RT: 1.79 min Scan# 130

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

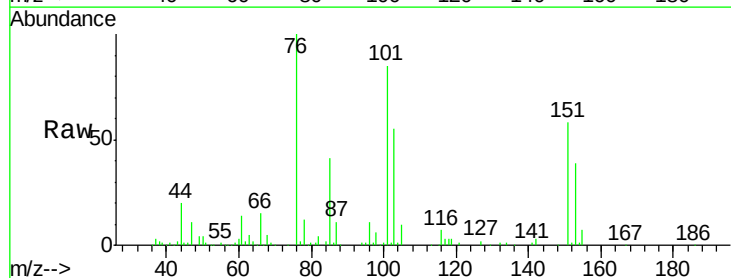
Tgt Ion: 101 Resp: 418014

Ion Ratio Lower Upper

101 100

85 48.8 37.9 56.9

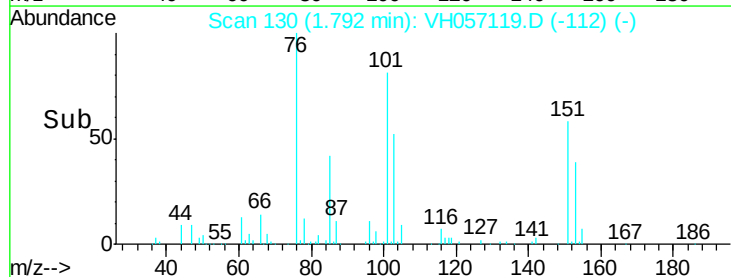
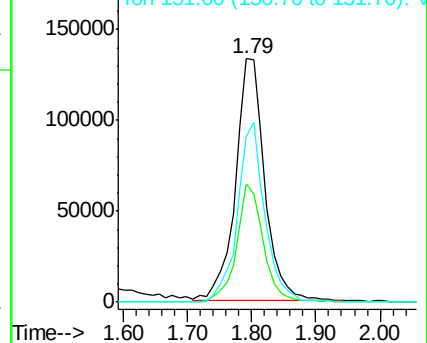
151 67.9 50.6 76.0

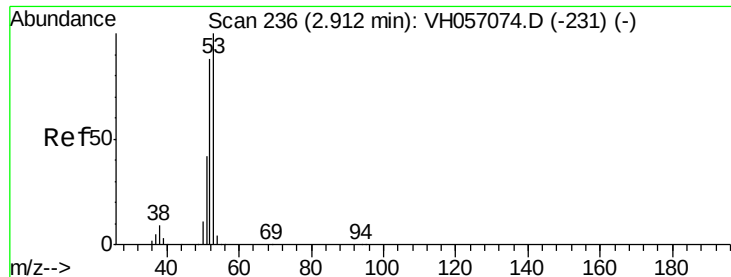


Abundance Ion 101.00 (100.70 to 101.70): VH057119.D (-112) (-)

Ion 85.00 (84.70 to 85.70): VH057119.D (-112) (-)

Ion 151.00 (150.70 to 151.70): VH057119.D (-112) (-)





#15

Acrylonitrile

Concen: 237.92 ug/l

RT: 2.90 min Scan# 235

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

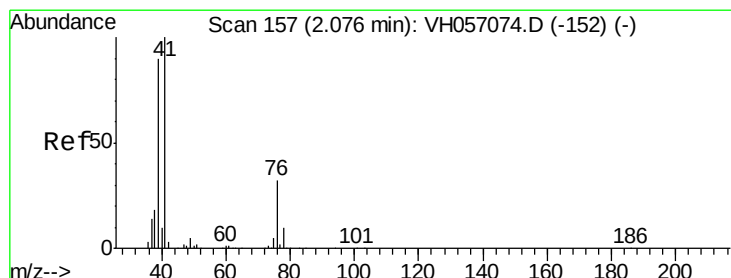
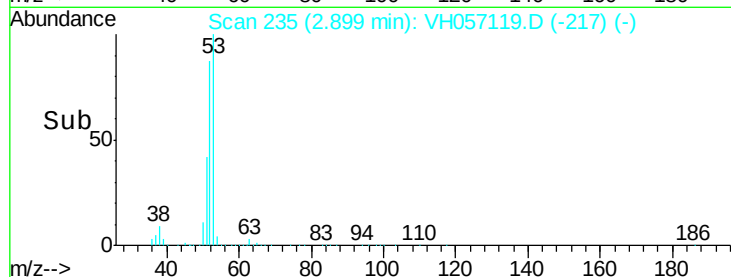
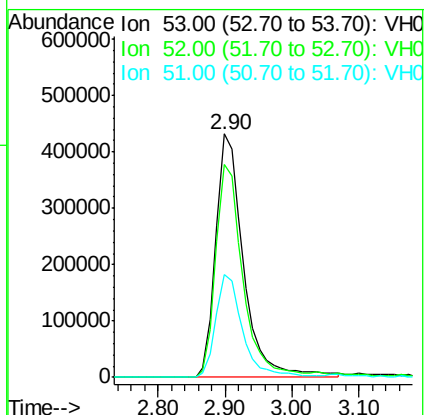
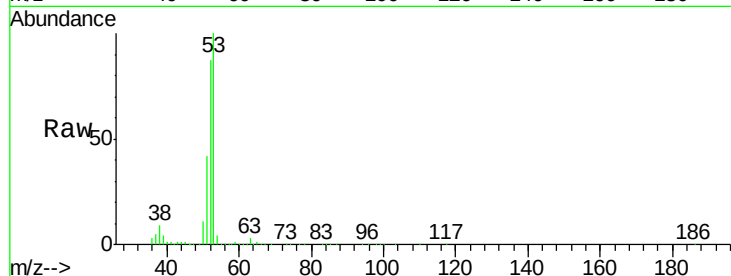
Tgt Ion: 53 Resp: 1238389

Ion Ratio Lower Upper

53 100

52 87.3 67.6 101.4

51 42.0 31.8 47.6



#16

Allyl Chloride

Concen: 51.83 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

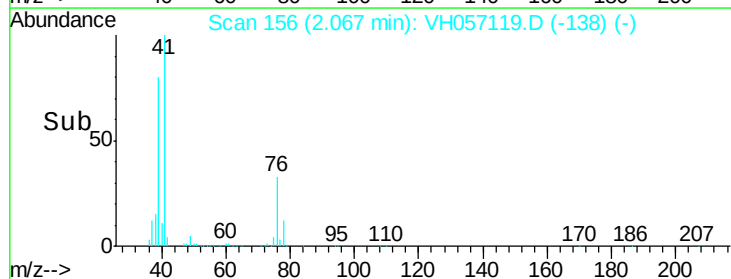
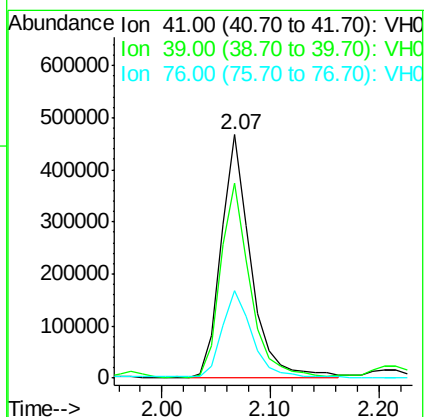
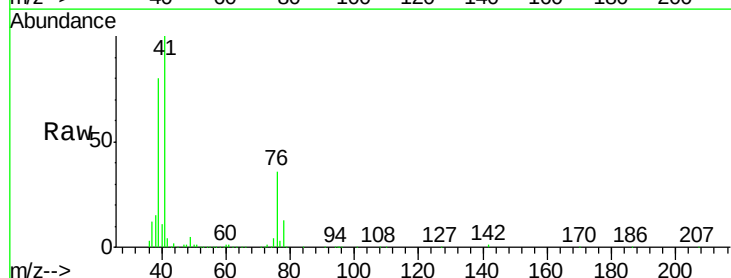
Tgt Ion: 41 Resp: 877320

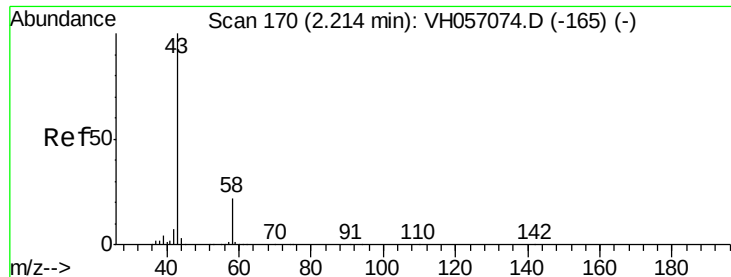
Ion Ratio Lower Upper

41 100

39 80.1 41.0 123.2

76 36.1 14.3 42.9





#17

Acetone

Concen: 217.40 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

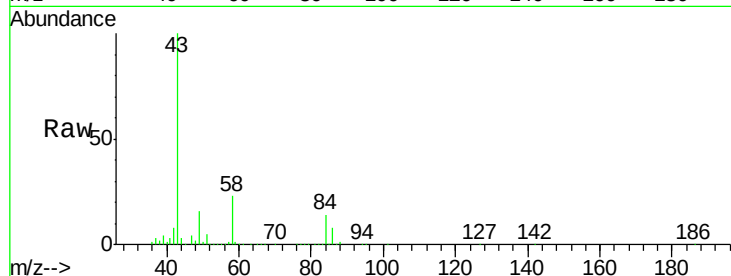
VSTDCCC050EC

Tgt Ion: 43 Resp: 1450153

Ion Ratio Lower Upper

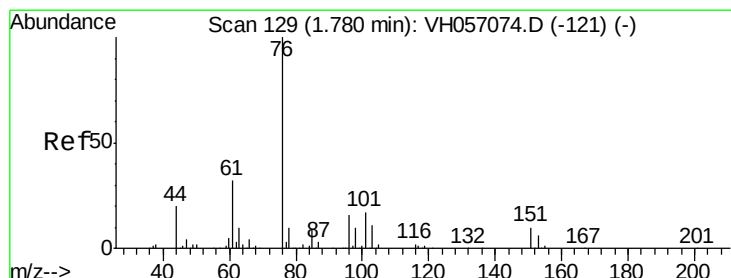
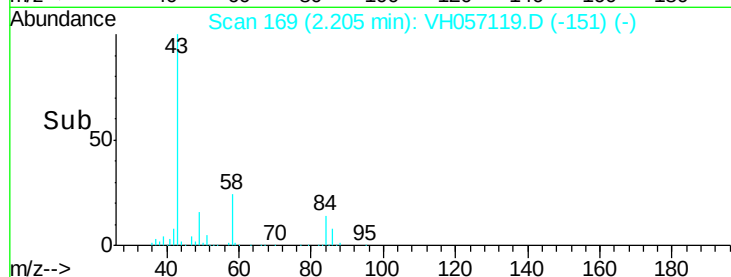
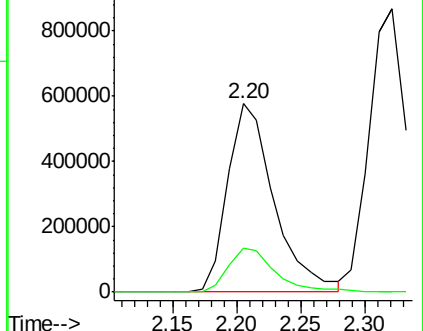
43 100

58 23.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VH057119.D (-165) (-)

Ion 58.00 (57.70 to 58.70): VH057119.D (-165) (-)



#18

Carbon Disulfide

Concen: 51.81 ug/l

RT: 1.77 min Scan# 128

Delta R.T. -0.01 min

Lab File: VH057119.D

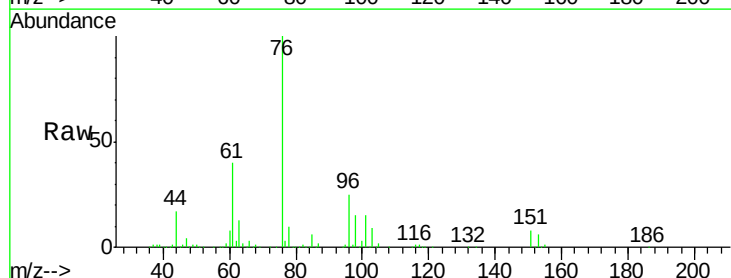
Acq: 22 Sep 2015 22:27

Tgt Ion: 76 Resp: 1254644

Ion Ratio Lower Upper

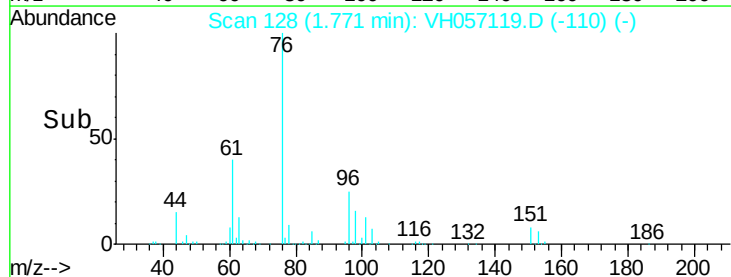
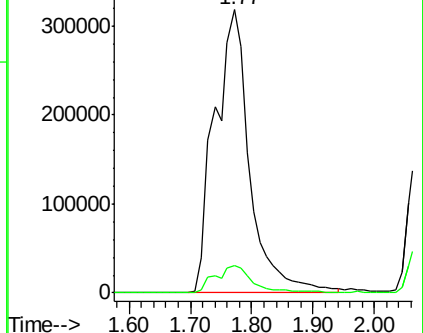
76 100

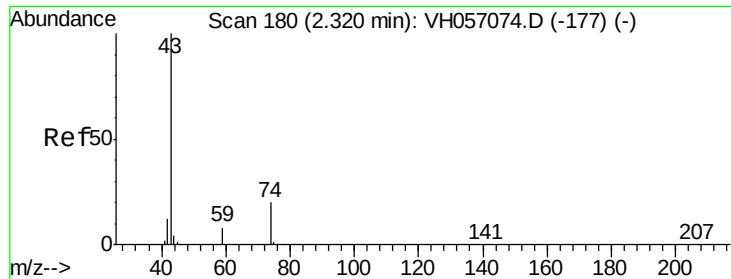
78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VH057119.D (-121) (-)

Ion 78.00 (77.70 to 78.70): VH057119.D (-121) (-)

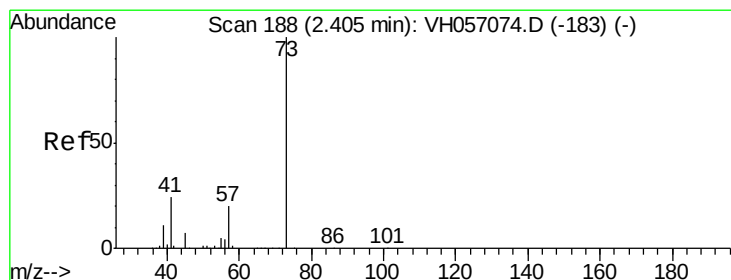
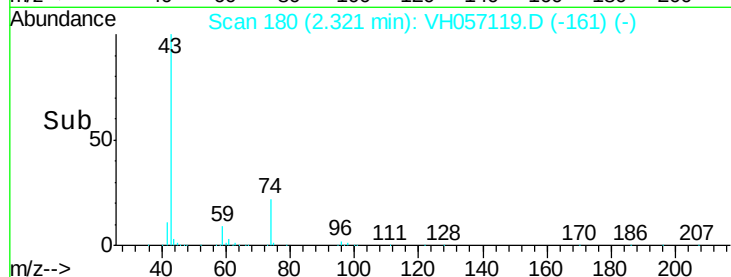
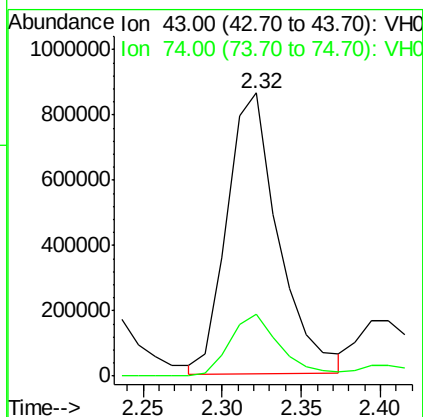
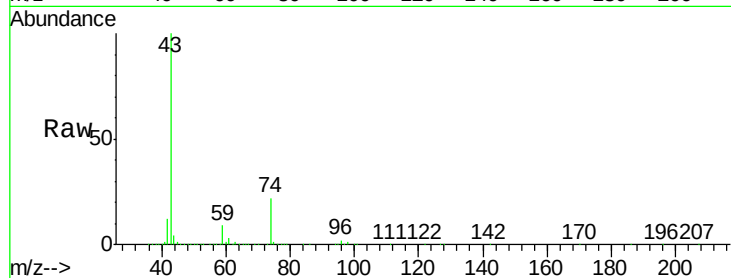




#19
Methyl Acetate
Concen: 46.51 ug/l
RT: 2.32 min Scan# 180
Delta R.T. 0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

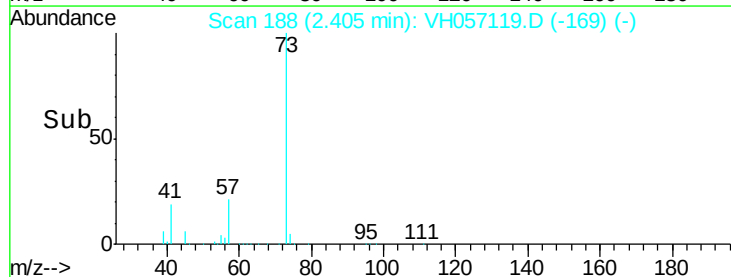
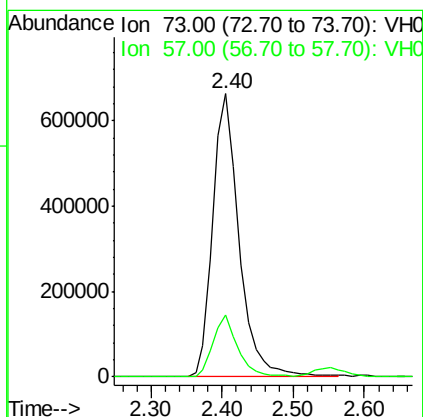
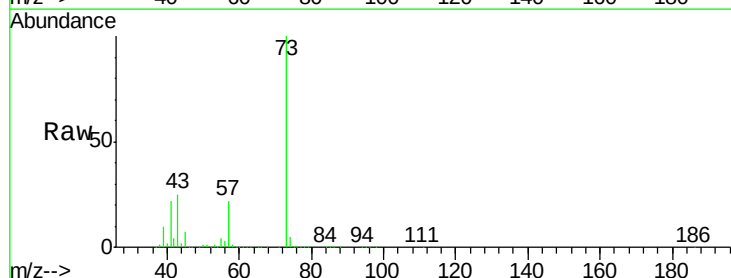
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

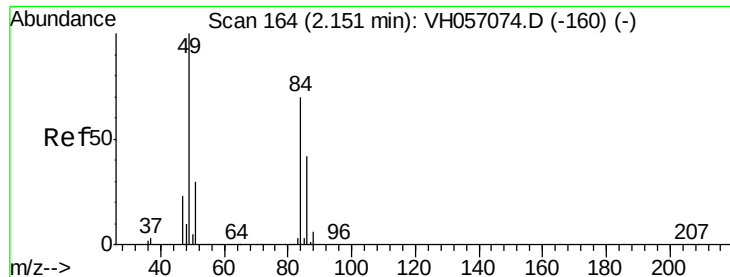
Tgt Ion: 43 Resp: 1924233
Ion Ratio Lower Upper
43 100
74 21.7 13.3 24.7



#20
Methyl tert-butyl Ether
Concen: 50.61 ug/l
RT: 2.40 min Scan# 188
Delta R.T. 0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion: 73 Resp: 1664115
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

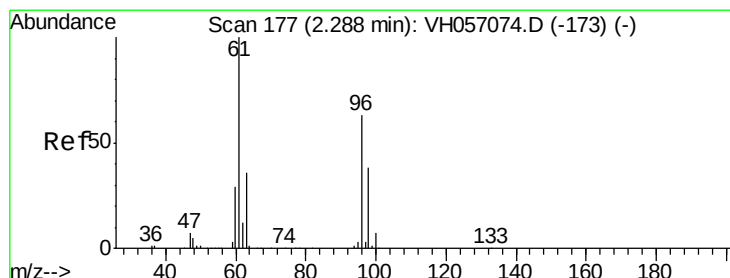
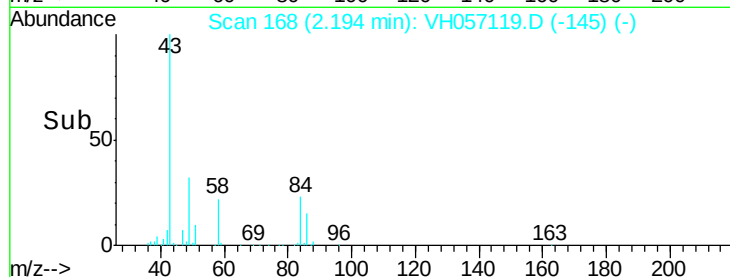
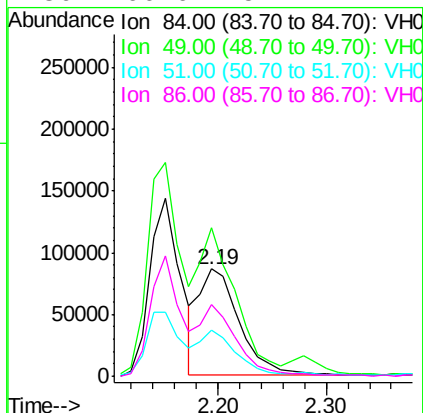
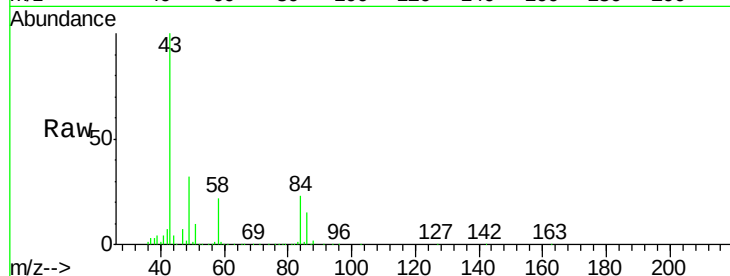




#21
Methylene Chloride
Concen: 24.80 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.04 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

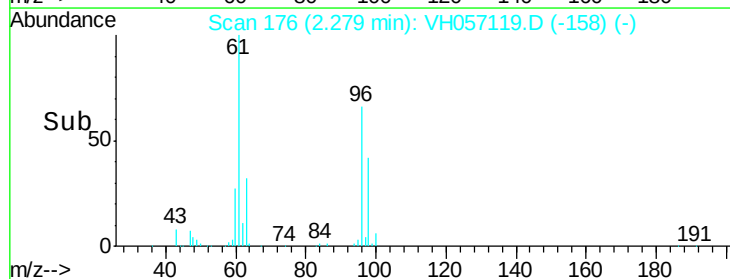
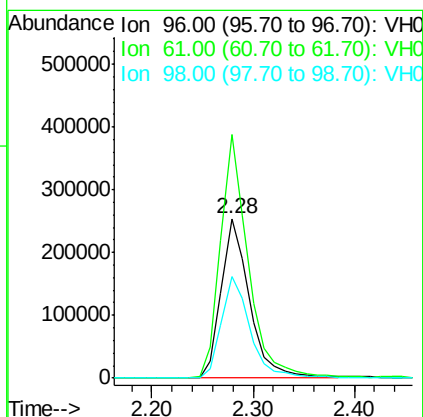
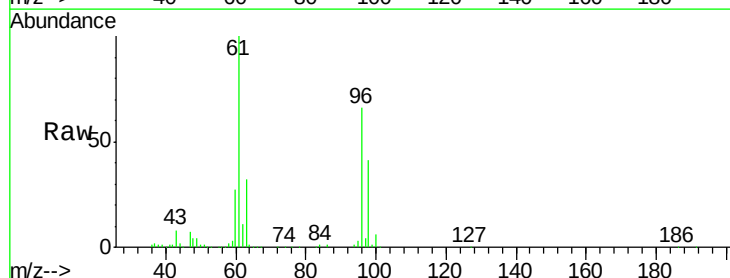
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

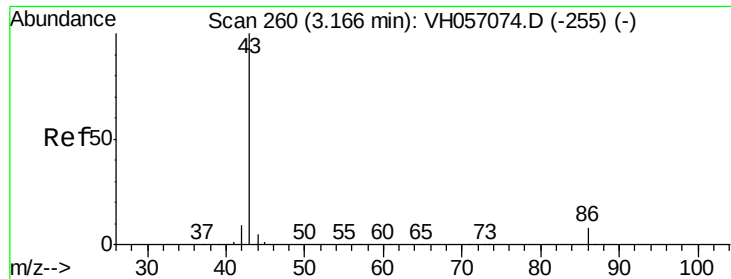
Tgt Ion: 84 Resp: 222862
Ion Ratio Lower Upper
84 100
49 138.5 132.8 199.2
51 43.3 39.5 59.3
86 66.6 51.4 77.2



#22
trans-1,2-Dichloroethene
Concen: 54.01 ug/l
RT: 2.28 min Scan# 176
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion: 96 Resp: 487562
Ion Ratio Lower Upper
96 100
61 152.6 131.7 197.5
98 63.3 49.5 74.3





#23

Vinyl Acetate

Concen: 224.29 ug/l

RT: 3.15 min Scan# 259

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

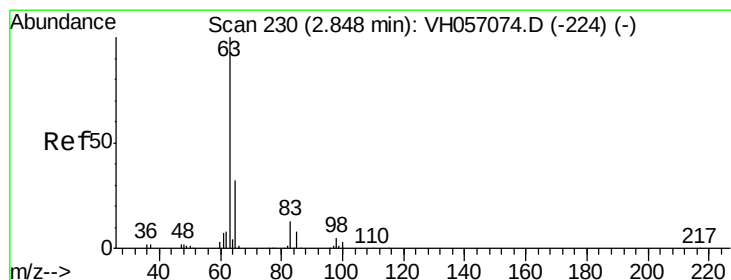
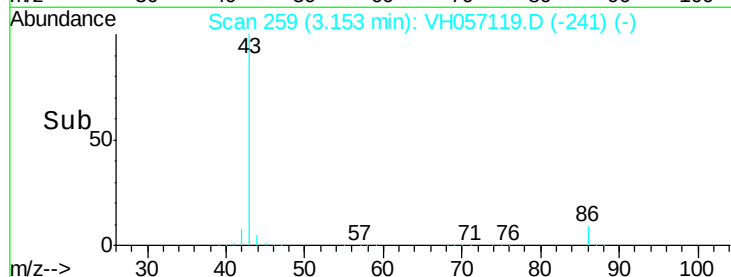
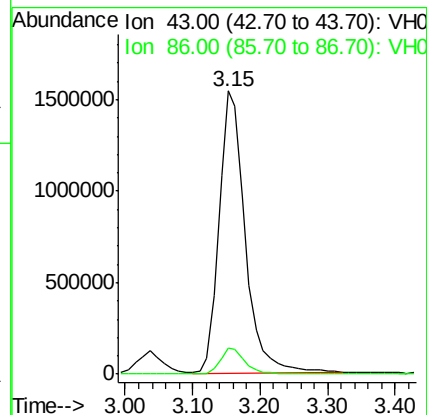
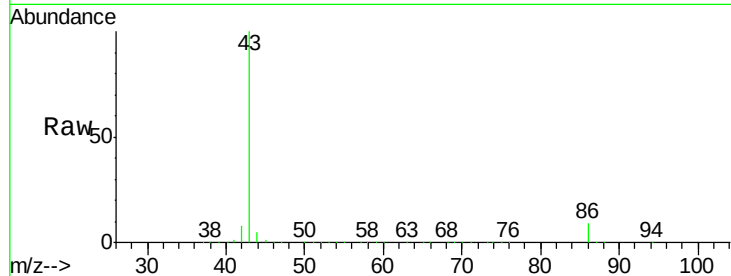
VSTDCCC050EC

Tgt Ion: 43 Resp: 4212542

Ion Ratio Lower Upper

43 100

86 9.1 6.2 9.2



#24

1,1-Dichloroethane

Concen: 45.50 ug/l

RT: 2.84 min Scan# 229

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

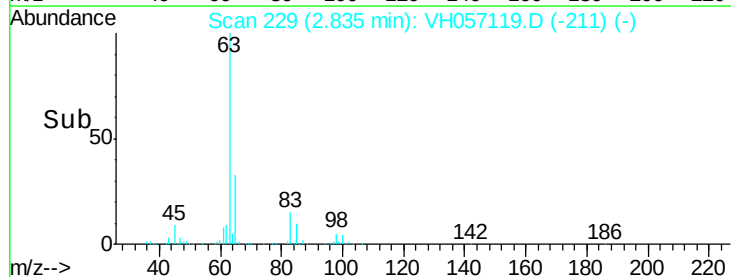
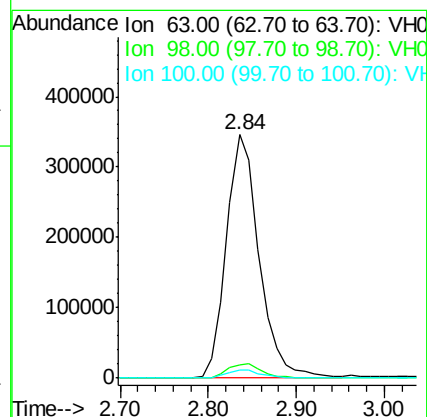
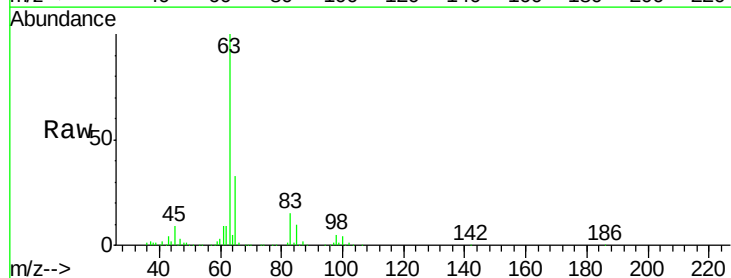
Tgt Ion: 63 Resp: 889222

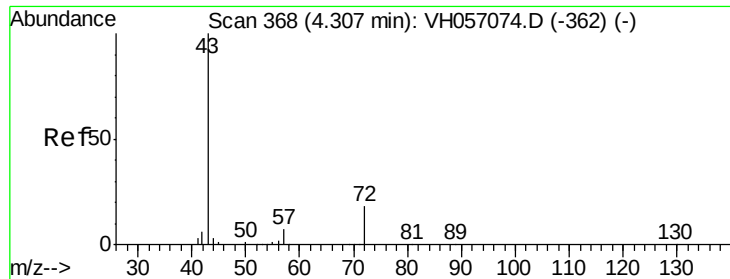
Ion Ratio Lower Upper

63 100

98 5.3 2.6 7.8

100 3.6 1.7 5.0





#25

2-Butanone

Concen: 214.54 ug/l

RT: 4.29 min Scan# 367

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

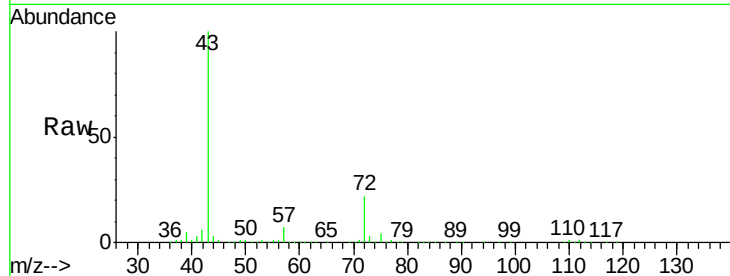
VSTDCCC050EC

Tgt Ion: 43 Resp: 3168007

Ion Ratio Lower Upper

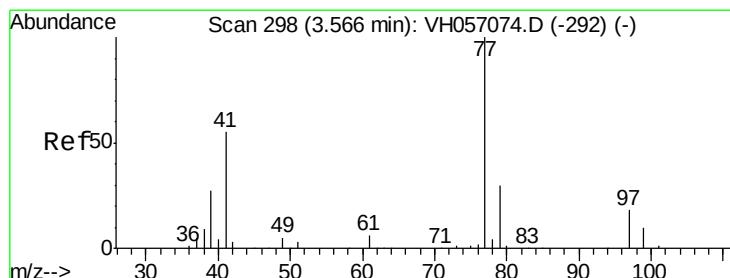
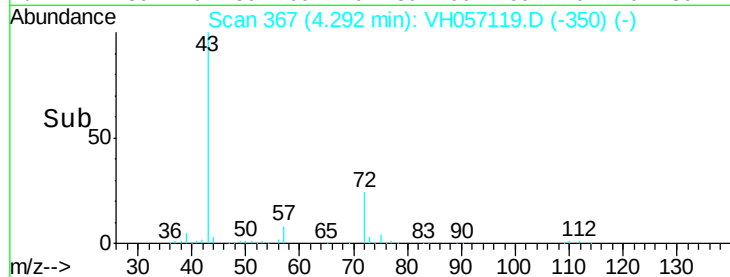
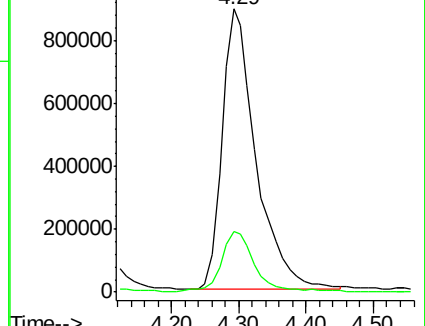
43 100

72 21.6 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH057119.D (-367) (-)

Ion 72.00 (71.70 to 72.70): VH057119.D (-367) (-)



#26

2,2-Dichloropropane

Concen: 44.42 ug/l

RT: 3.56 min Scan# 298

Delta R.T. -0.00 min

Lab File: VH057119.D

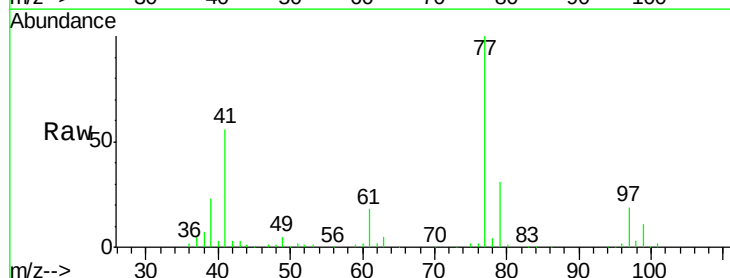
Acq: 22 Sep 2015 22:27

Tgt Ion: 77 Resp: 544962

Ion Ratio Lower Upper

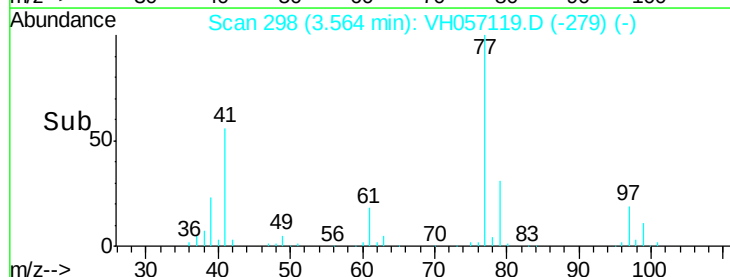
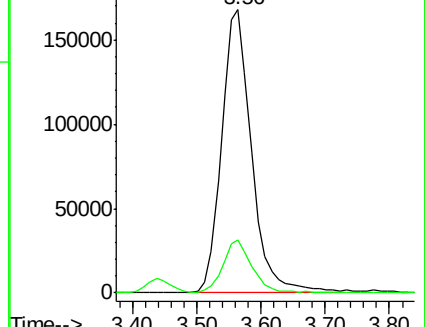
77 100

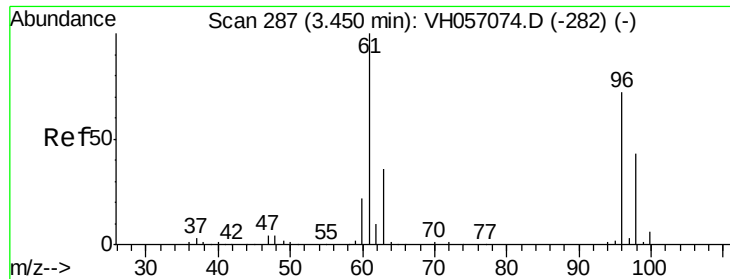
97 18.5 8.8 26.4



Abundance Ion 77.00 (76.70 to 77.70): VH057119.D (-298) (-)

Ion 97.00 (96.70 to 97.70): VH057119.D (-298) (-)



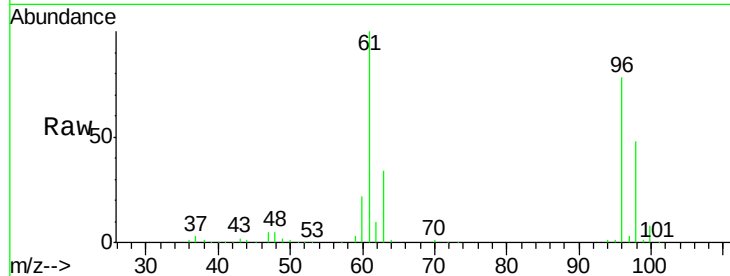


#27

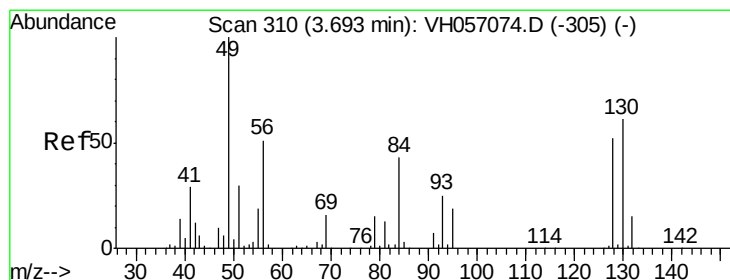
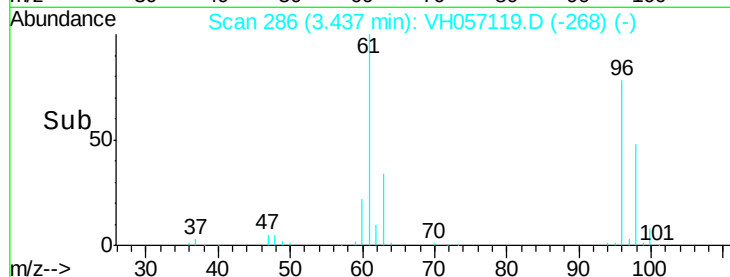
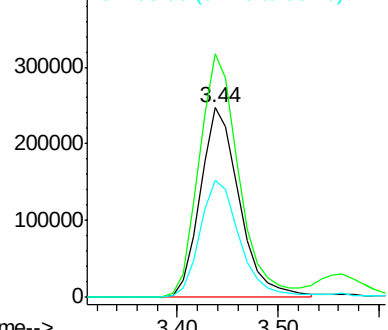
cis-1,2-Dichloroethene
Concen: 52.93 ug/l
RT: 3.44 min Scan# 286
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 667381
Ion Ratio Lower Upper
96 100
61 128.3 115.4 173.0
98 61.9 49.7 74.5



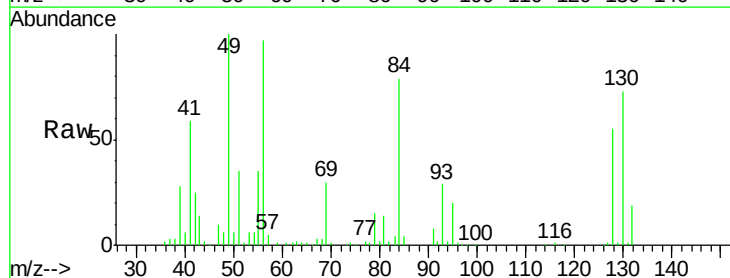
Abundance Ion 96.00 (95.70 to 96.70): VH0
Ion 61.00 (60.70 to 61.70): VH0
Ion 98.00 (97.70 to 98.70): VH0



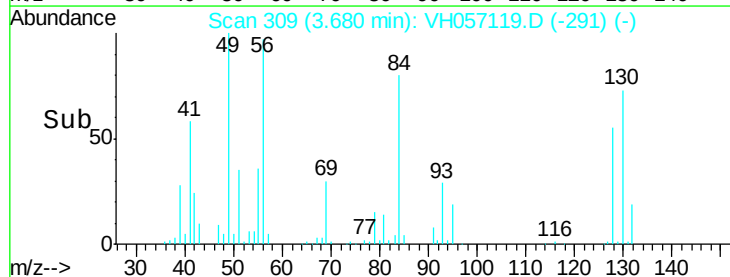
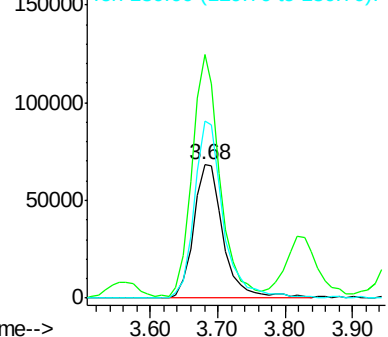
#28

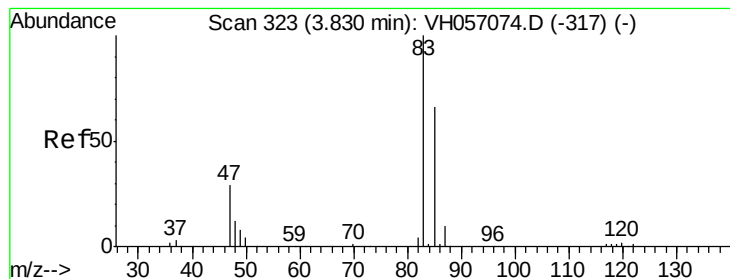
Bromochloromethane
Concen: 49.66 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion: 128 Resp: 209164
Ion Ratio Lower Upper
128 100
49 182.6 0.0 441.4
130 132.6 100.7 151.1



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





#29

Chloroform

Concen: 48.90 ug/l

RT: 3.83 min Scan# 323

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

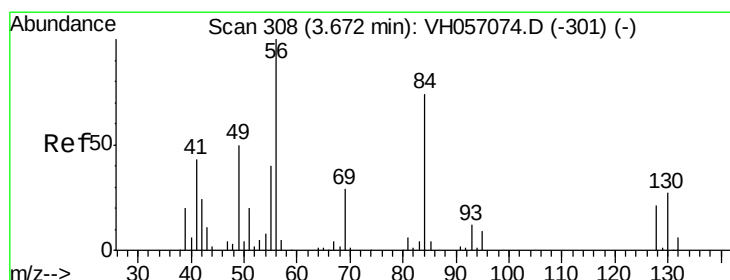
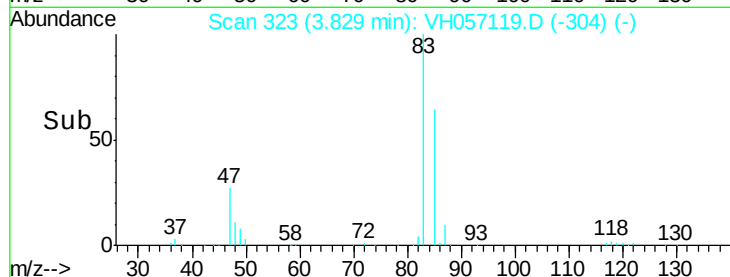
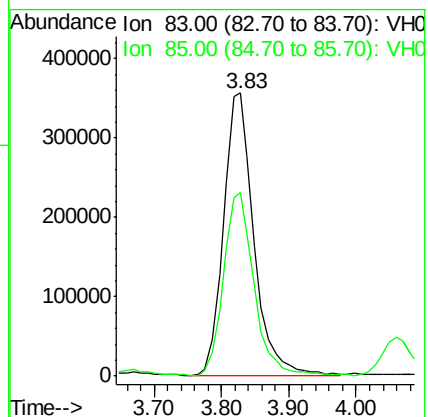
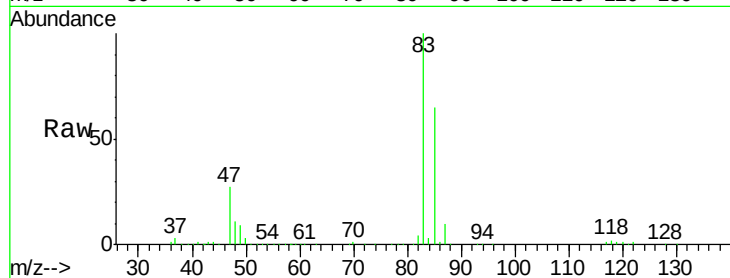
VSTDCCC050EC

Tgt Ion: 83 Resp: 1129620

Ion Ratio Lower Upper

83 100

85 65.0 54.3 81.5



#30

Cyclohexane

Concen: 44.35 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

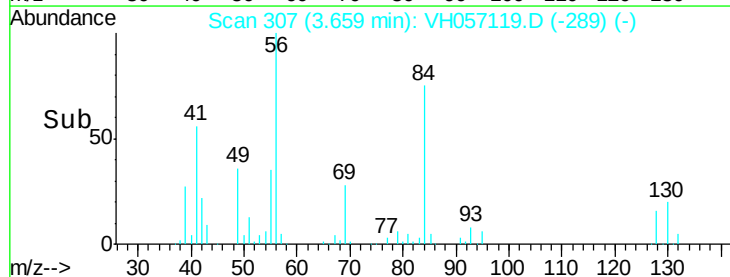
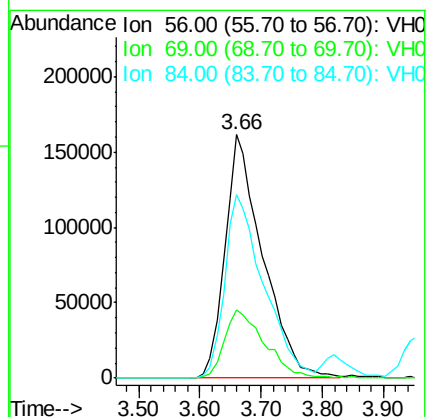
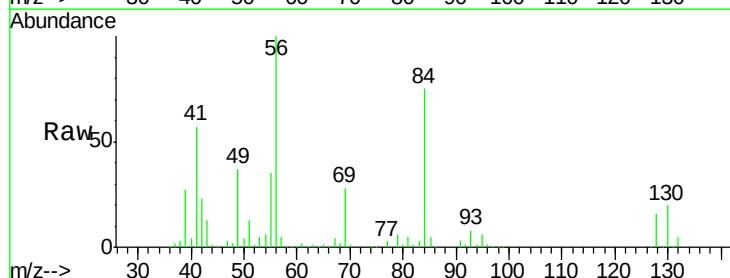
Tgt Ion: 56 Resp: 694395

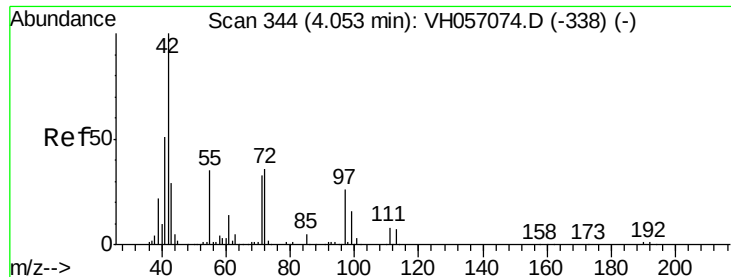
Ion Ratio Lower Upper

56 100

69 28.1 18.1 33.7

84 75.5 0.0 136.8





#31

Tetrahydrofuran

Concen: 223.28 ug/l

RT: 4.04 min Scan# 343

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

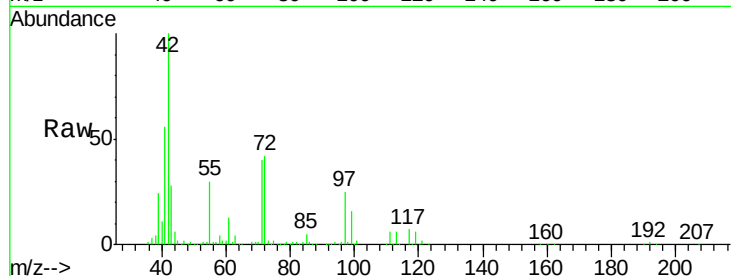
Tgt Ion: 42 Resp: 1850620

Ion Ratio Lower Upper

42 100

72 38.5 25.5 38.3#

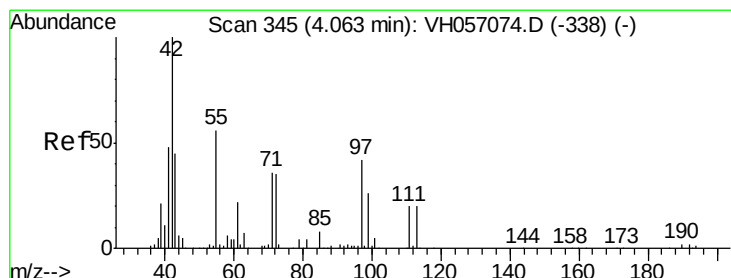
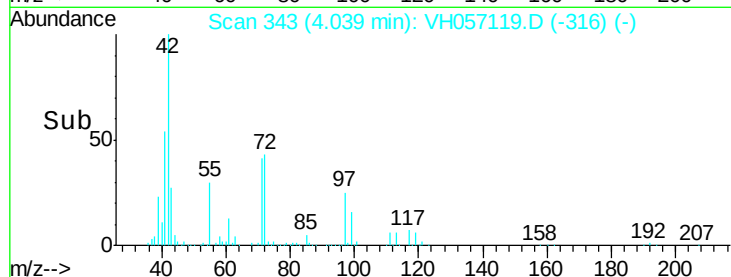
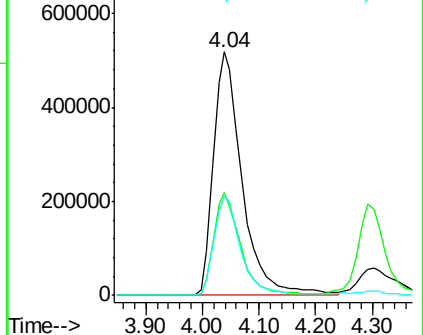
71 38.4 25.4 38.0#



Abundance Ion 42.00 (41.70 to 42.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

Ion 71.00 (70.70 to 71.70): VH0



#32

1,1,1-Trichloroethane

Concen: 42.51 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

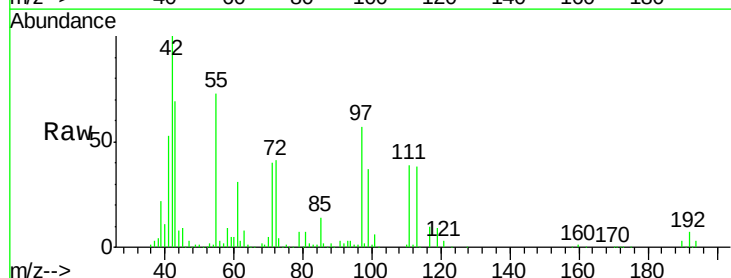
Tgt Ion: 97 Resp: 706868

Ion Ratio Lower Upper

97 100

99 64.6 49.8 74.6

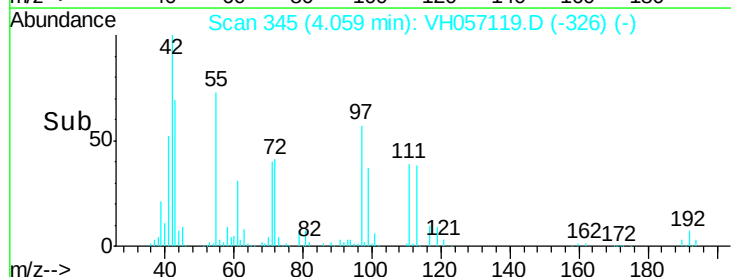
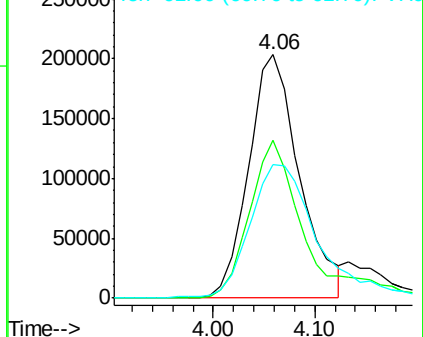
61 54.6 45.0 67.4

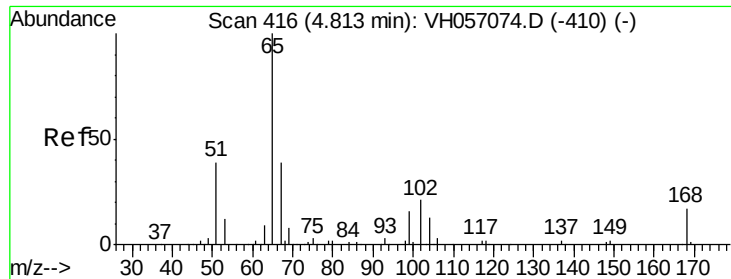


Abundance Ion 97.00 (96.70 to 97.70): VH0

Ion 99.00 (98.70 to 99.70): VH0

Ion 61.00 (60.70 to 61.70): VH0

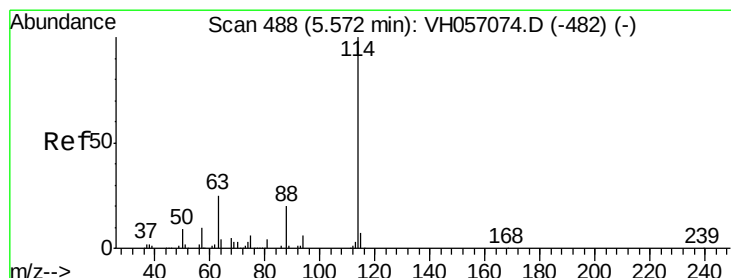
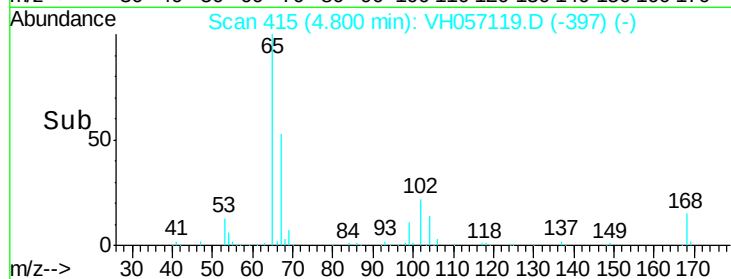
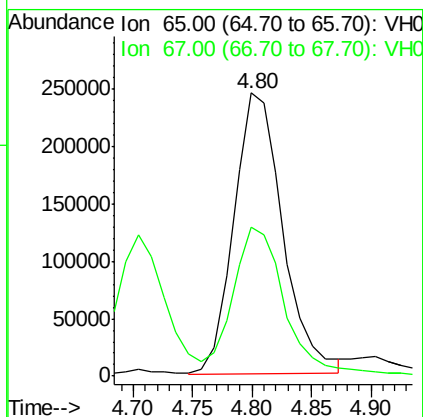
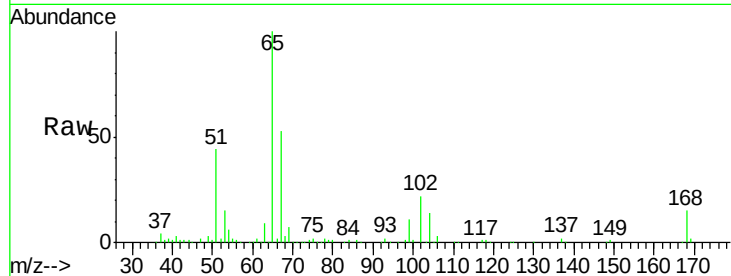




#33
 1,2-Dichloroethane-d4
 Concen: 45.16 ug/l
 RT: 4.80 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

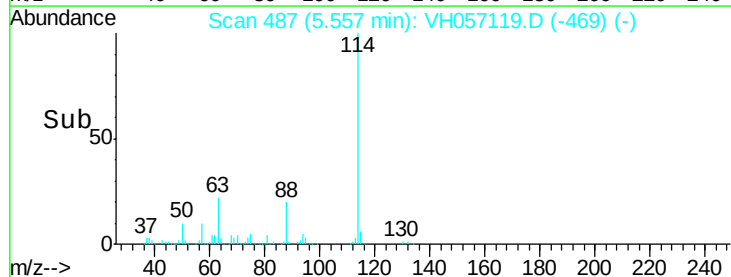
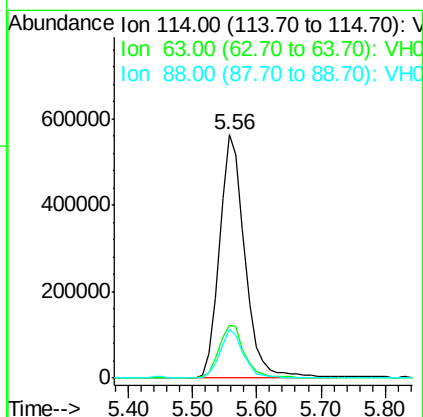
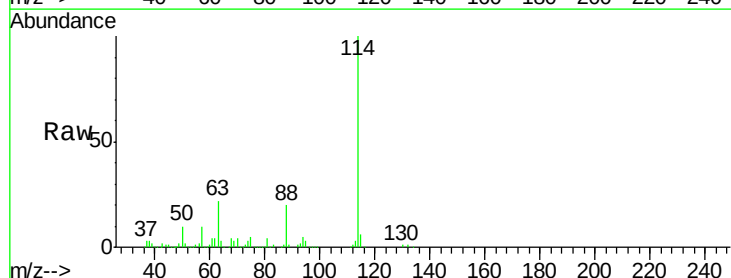
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

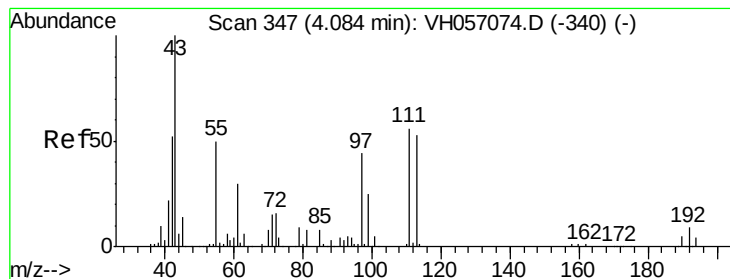
Tgt Ion: 65 Resp: 717878
 Ion Ratio Lower Upper
 65 100
 67 52.6 43.2 64.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion: 114 Resp: 1563955
 Ion Ratio Lower Upper
 114 100
 63 21.8 19.0 28.4
 88 19.9 15.7 23.5





#35

Dibromofluoromethane

Concen: 51.60 ug/l

RT: 4.07 min Scan# 346

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

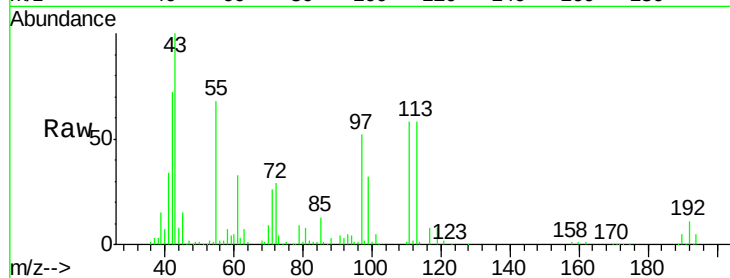
Tgt Ion: 113 Resp: 642554

Ion Ratio Lower Upper

113 100

111 99.4 84.0 126.0

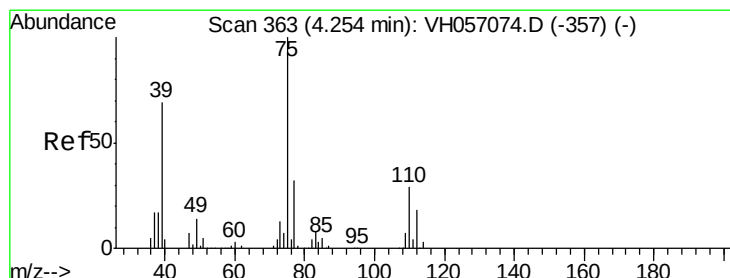
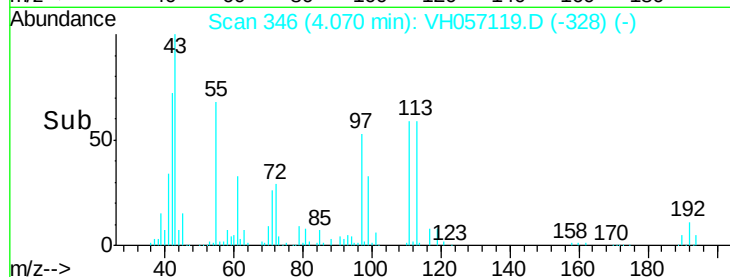
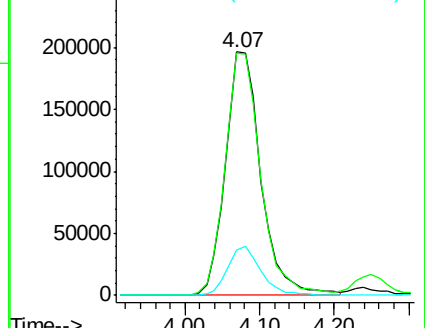
192 18.4 13.6 20.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.90 ug/l

RT: 4.25 min Scan# 363

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

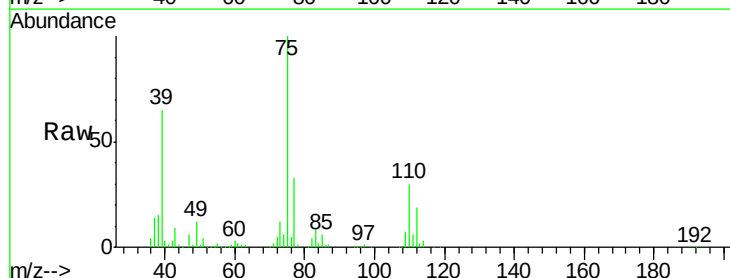
Tgt Ion: 75 Resp: 840329

Ion Ratio Lower Upper

75 100

110 30.3 13.7 41.1

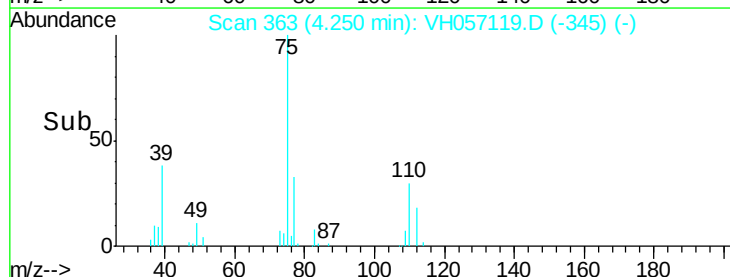
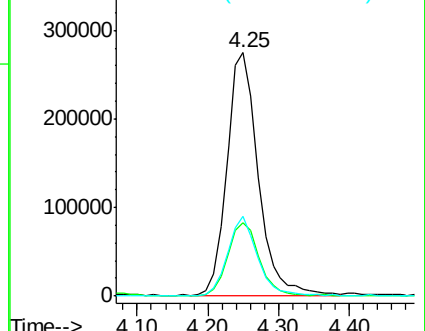
77 32.9 24.0 36.0

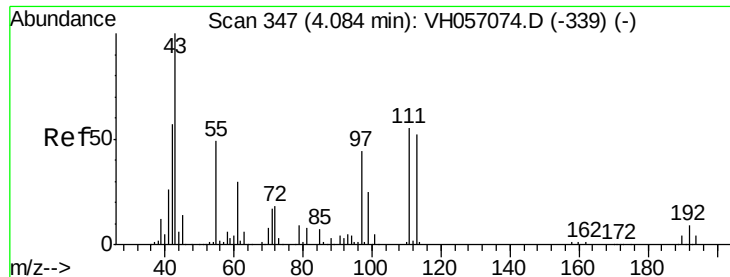


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#37

Ethyl acetate

Concen: 46.17 ug/l

RT: 4.08 min Scan# 347

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

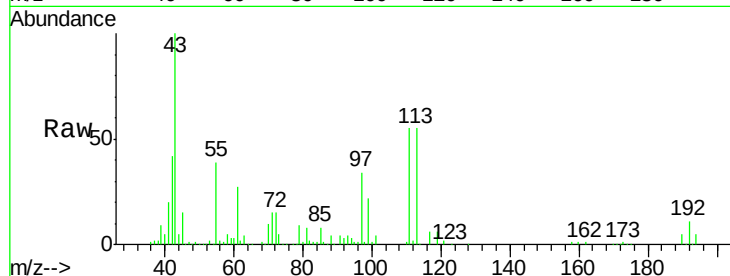
Tgt Ion: 43 Resp: 1489453

Ion Ratio Lower Upper

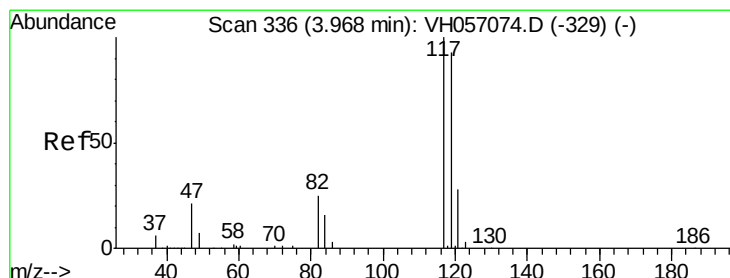
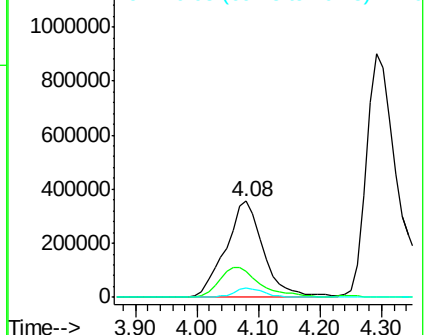
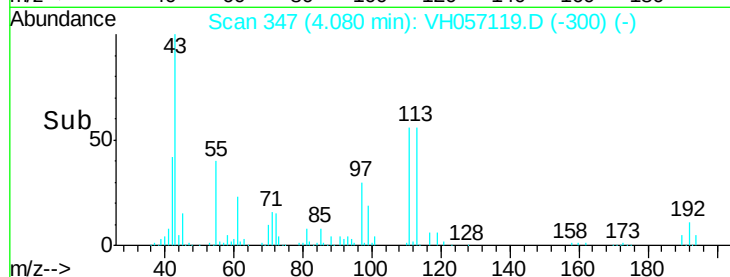
43 100

61 0.0 23.9 35.9#

70 7.9 5.4 8.0



Abundance Ion 43.05 (42.75 to 43.75): VH057119.D (-300) (-)



#38

Carbon Tetrachloride

Concen: 46.67 ug/l

RT: 3.95 min Scan# 335

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

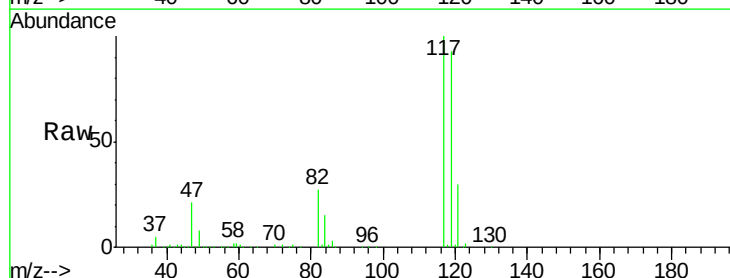
Tgt Ion: 117 Resp: 624346

Ion Ratio Lower Upper

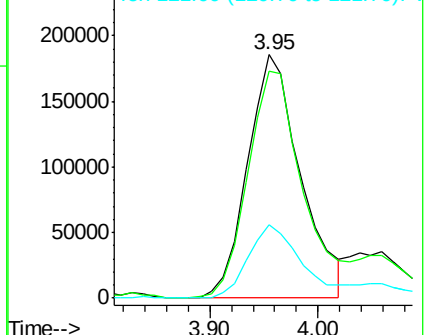
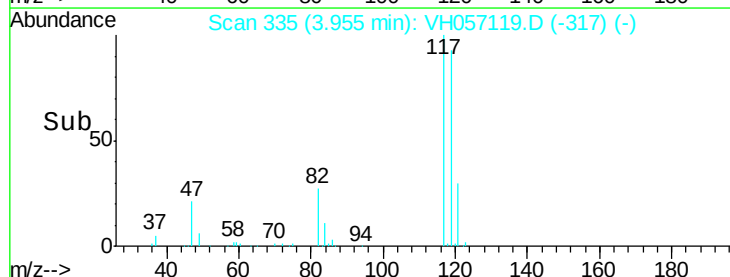
117 100

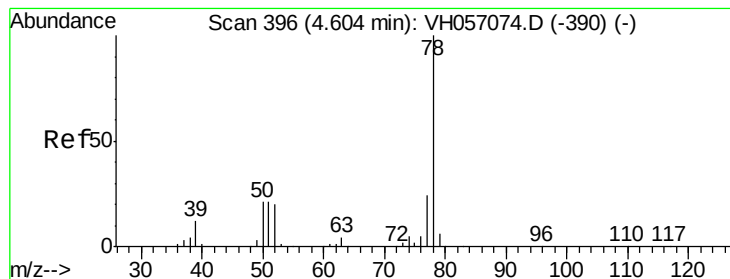
119 93.2 78.7 118.1

121 30.2 25.9 38.9



Abundance Ion 117.00 (116.70 to 117.70): VH057119.D (-317) (-)





#39

Benzene

Concen: 50.77 ug/l

RT: 4.60 min Scan# 396

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

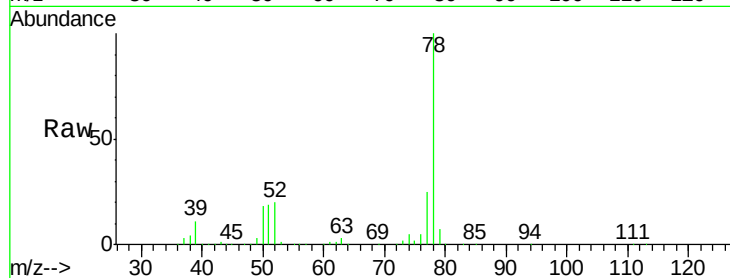
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 78 Resp: 2077539

Ion Ratio Lower Upper

78 100

77 25.0 18.5 27.7



Abundance Ion 78.10 (77.80 to 78.80): VH0

Ion 77.00 (76.70 to 77.70): VH0

4.60

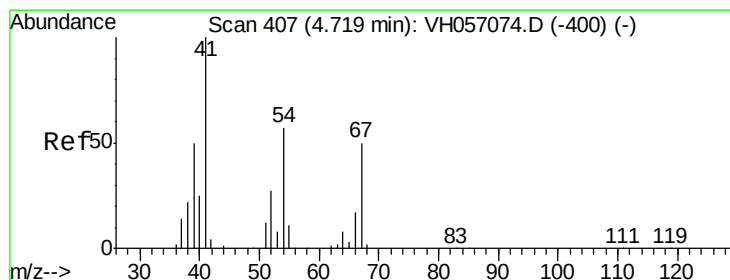
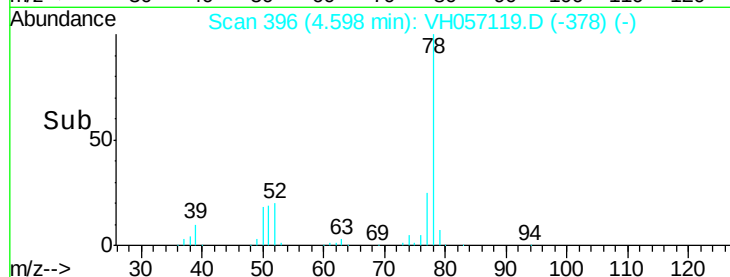
600000

400000

200000

0

Time-->



#40

Methacrylonitrile

Concen: 46.91 ug/l

RT: 4.70 min Scan# 406

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Tgt Ion: 41 Resp: 669720

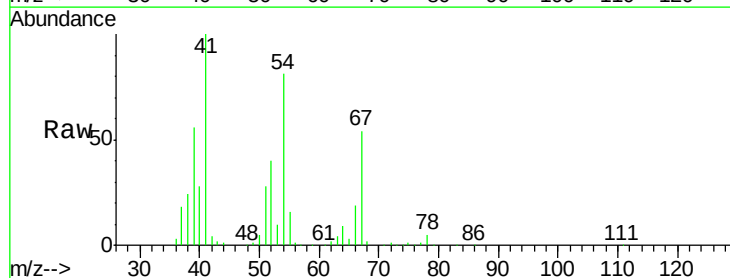
Ion Ratio Lower Upper

41 100

39 56.0 25.1 75.2

67 54.5 22.5 67.5

52 39.9 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

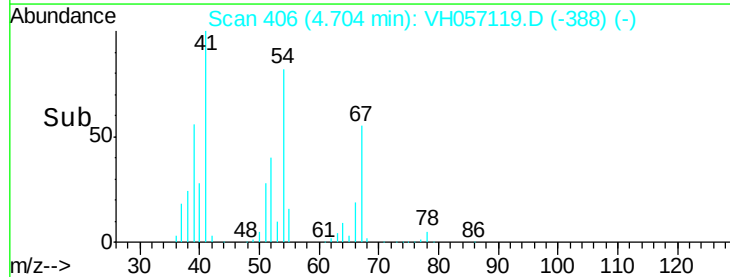
300000

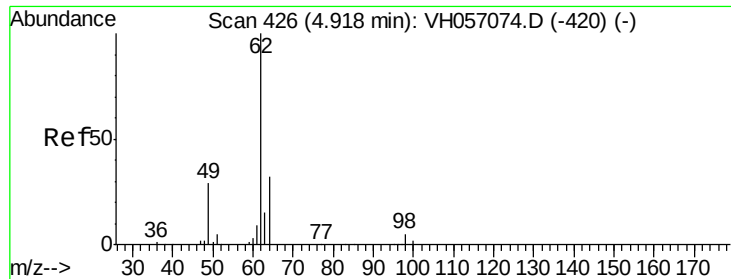
200000

100000

0

Time-->





#41

1,2-Dichloroethane

Concen: 47.21 ug/l

RT: 4.90 min Scan# 425

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

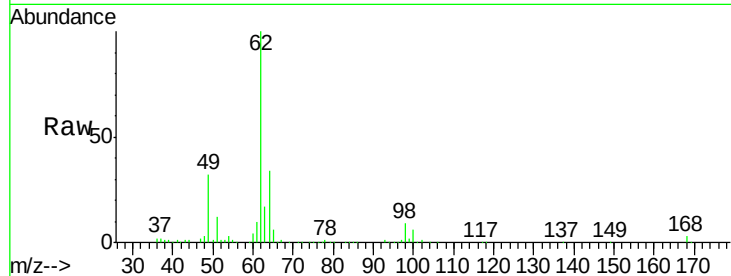
VSTDCCC050EC

Tgt Ion: 62 Resp: 852612

Ion Ratio Lower Upper

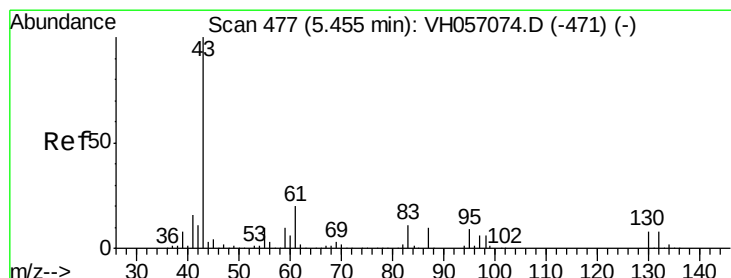
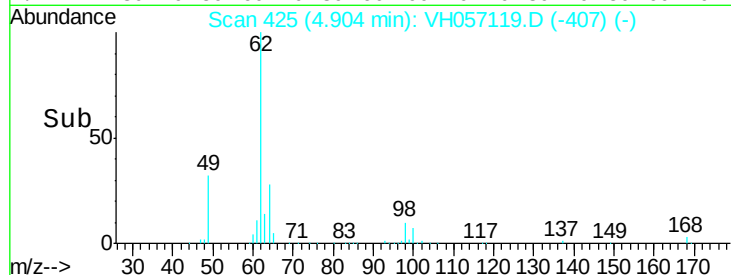
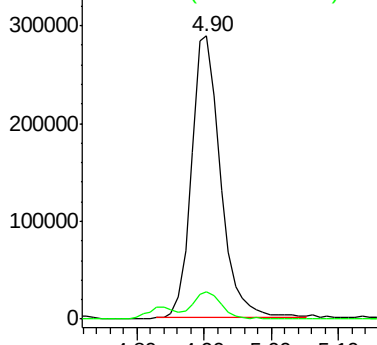
62 100

98 9.5 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: 46.06 ug/l

RT: 5.45 min Scan# 477

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

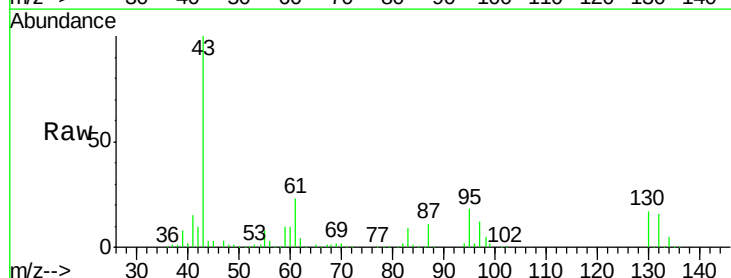
Tgt Ion: 43 Resp: 1939947

Ion Ratio Lower Upper

43 100

61 23.0 15.8 23.6

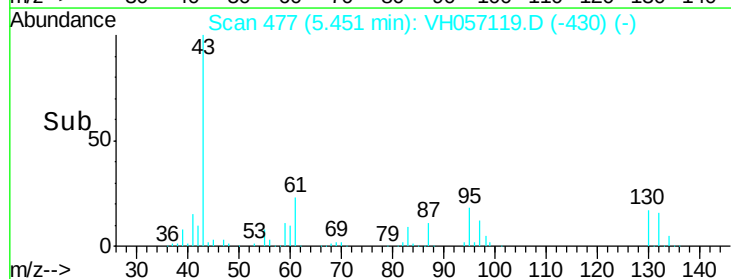
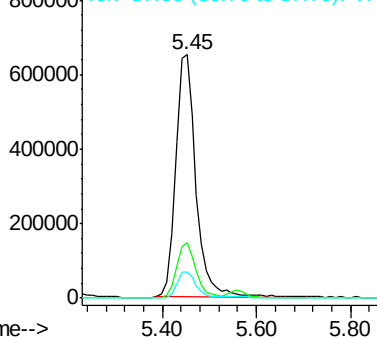
87 10.7 7.0 10.6#

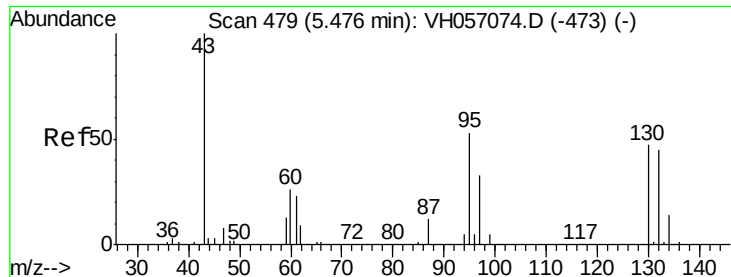


Abundance Ion 43.05 (42.75 to 43.75): VH0

Ion 61.00 (60.70 to 61.70): VH0

Ion 87.00 (86.70 to 87.70): VH0





#43

Trichloroethene

Concen: 55.08 ug/l

RT: 5.47 min Scan# 479

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

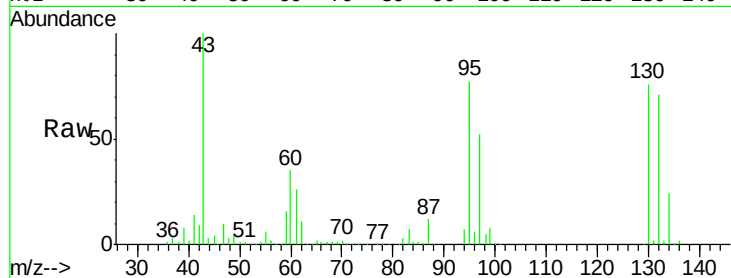
VSTDCCC050EC

Tgt Ion:130 Resp: 572785

Ion Ratio Lower Upper

130 100

95 101.7 84.0 126.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VH0

5.47

250000

200000

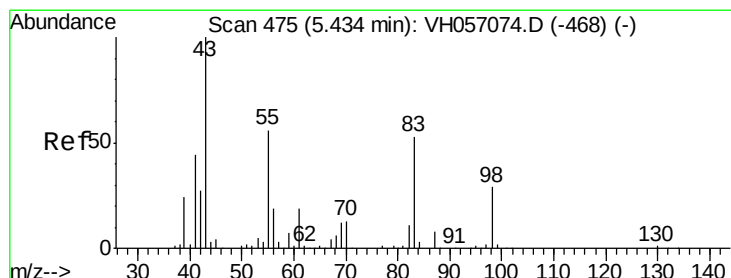
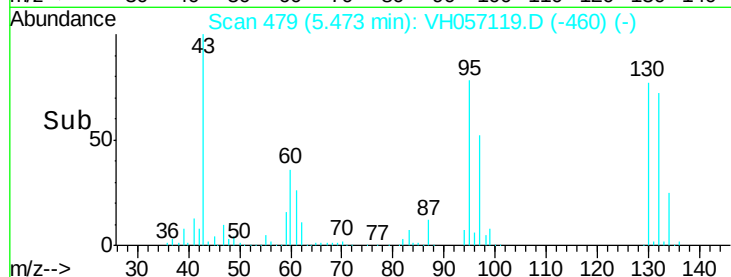
150000

100000

50000

0

Time-->



#44

Methylcyclohexane

Concen: 48.04 ug/l

RT: 5.43 min Scan# 475

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

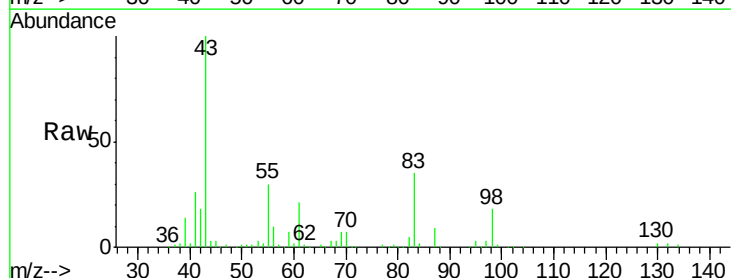
Tgt Ion: 83 Resp: 475840

Ion Ratio Lower Upper

83 100

55 87.1 0.0 207.2

98 51.6 0.0 108.4



Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

Ion 98.00 (97.70 to 98.70): VH0

5.43

200000

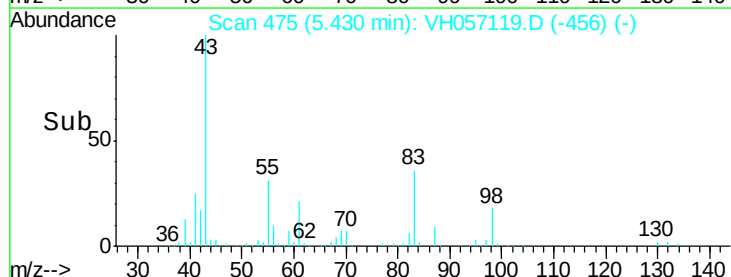
150000

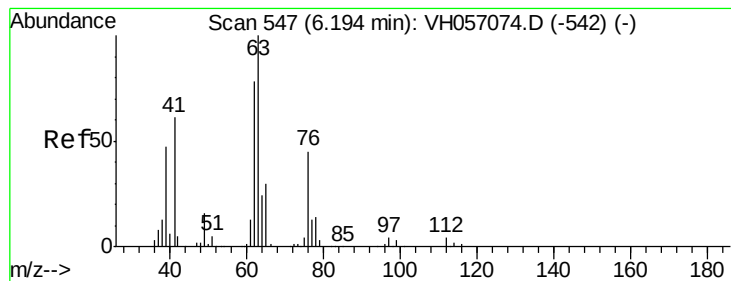
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 50.07 ug/l

RT: 6.19 min Scan# 547

Delta R.T. -0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

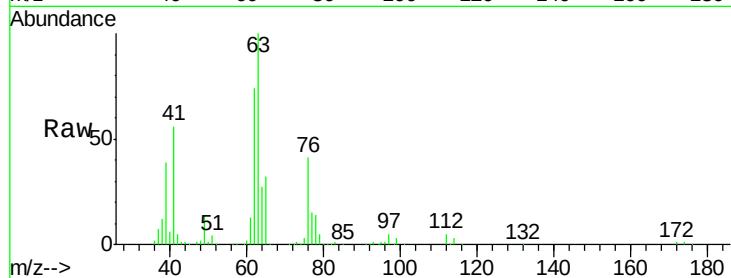
VSTDCCC050EC

Tgt Ion: 63 Resp: 649603

Ion Ratio Lower Upper

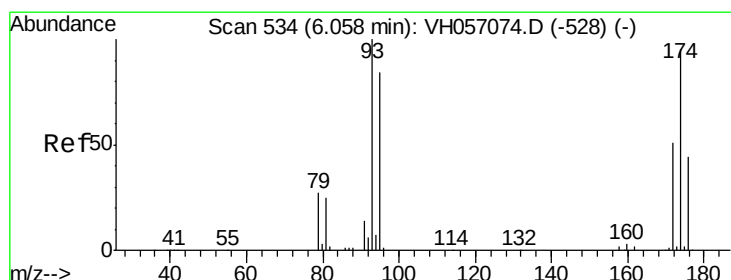
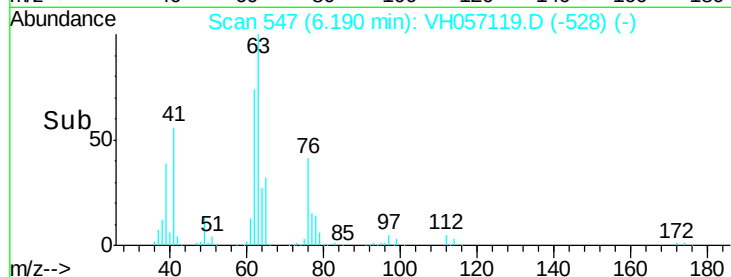
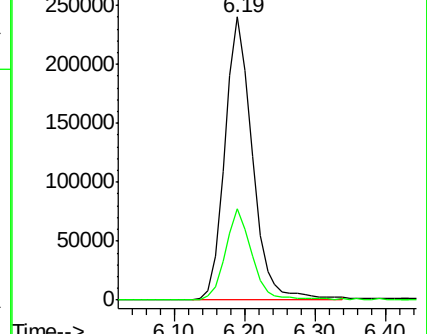
63 100

65 32.4 23.8 35.8



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 65.00 (64.70 to 65.70): VH0



#46

Dibromomethane

Concen: 50.43 ug/l

RT: 6.04 min Scan# 533

Delta R.T. -0.02 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

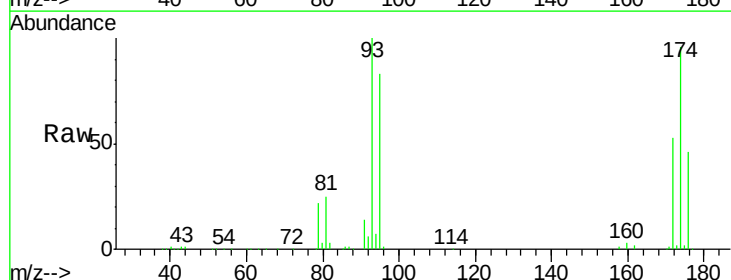
Tgt Ion: 93 Resp: 425443

Ion Ratio Lower Upper

93 100

95 83.2 69.5 104.3

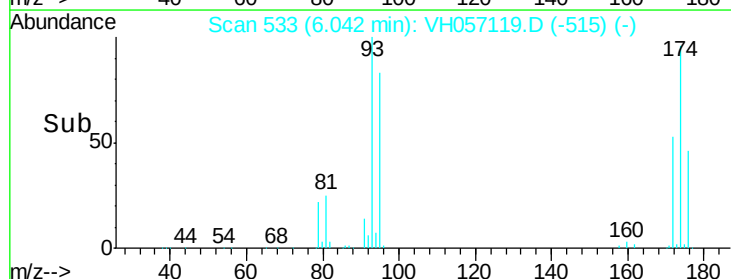
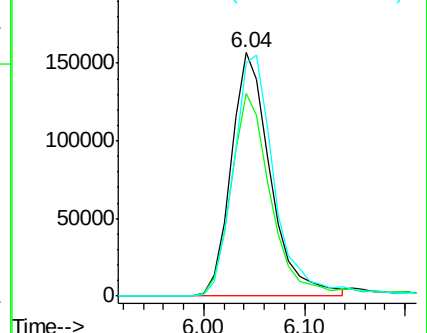
174 95.8 75.8 113.6

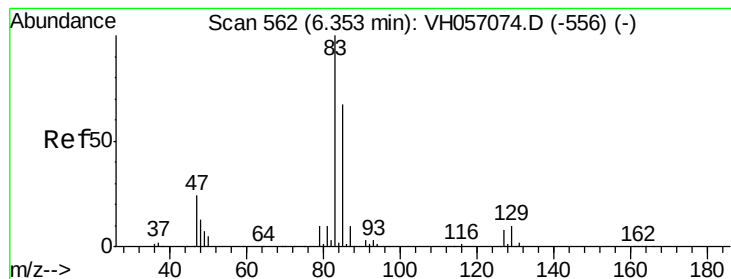


Abundance Ion 93.00 (92.70 to 93.70): VH0

Ion 95.00 (94.70 to 95.70): VH0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.81 ug/l

RT: 6.34 min Scan# 561

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

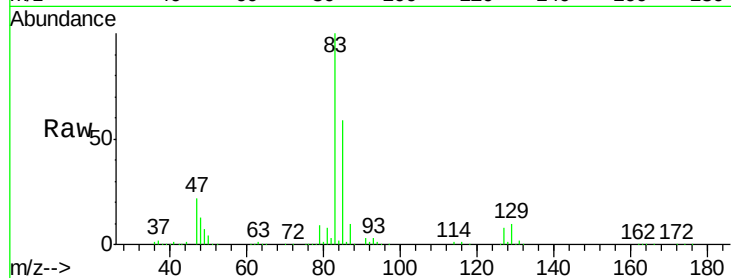
Tgt Ion: 83 Resp: 860751

Ion Ratio Lower Upper

83 100

85 59.3 52.6 78.8

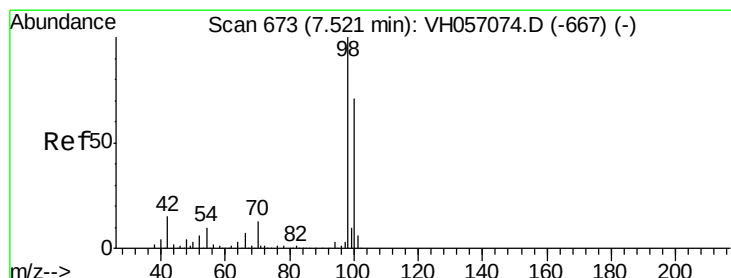
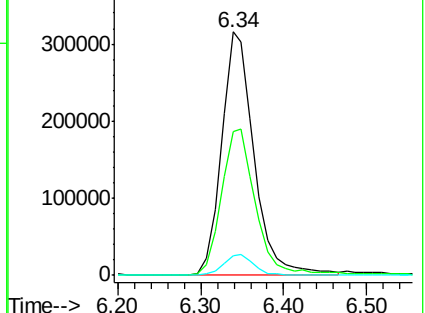
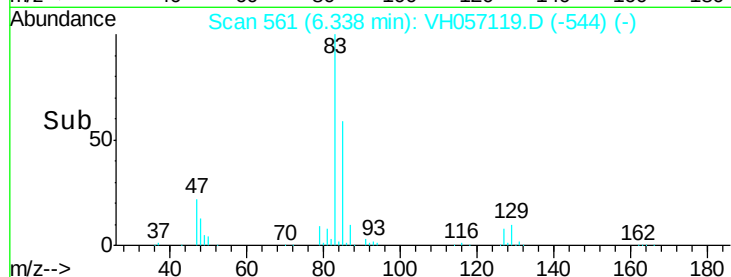
127 8.0 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 85.00 (84.70 to 85.70): VH0

Ion 127.00 (126.70 to 127.70): V



#48

Toluene-d8

Concen: 51.80 ug/l

RT: 7.51 min Scan# 672

Delta R.T. -0.01 min

Lab File: VH057119.D

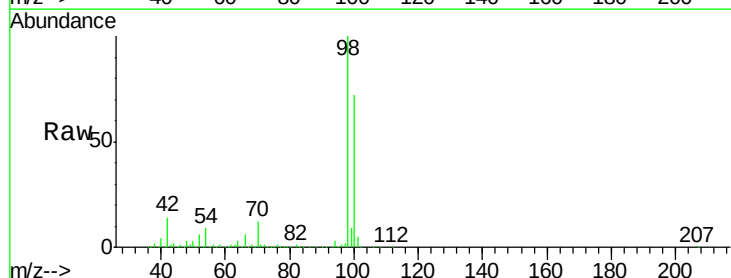
Acq: 22 Sep 2015 22:27

Tgt Ion: 98 Resp: 1854750

Ion Ratio Lower Upper

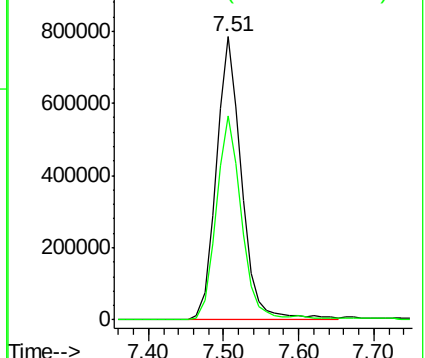
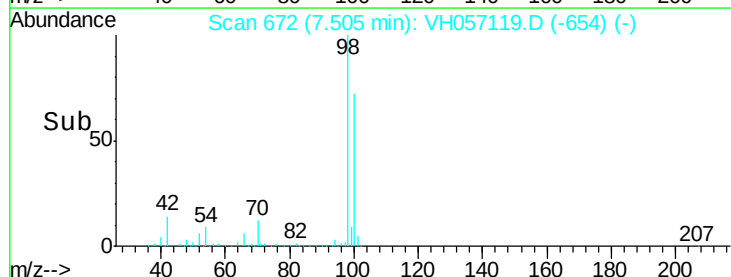
98 100

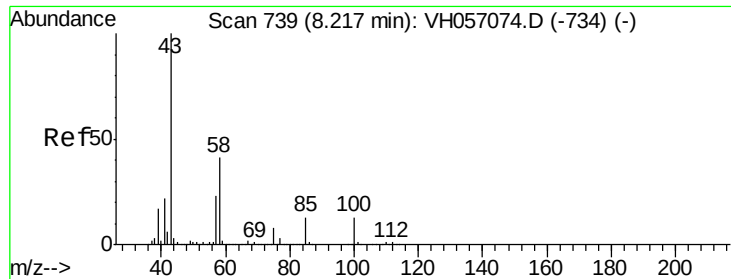
100 72.3 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH

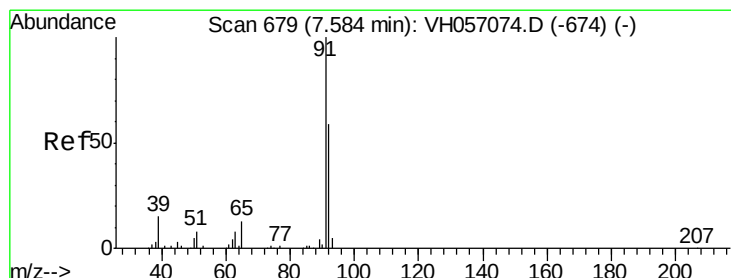
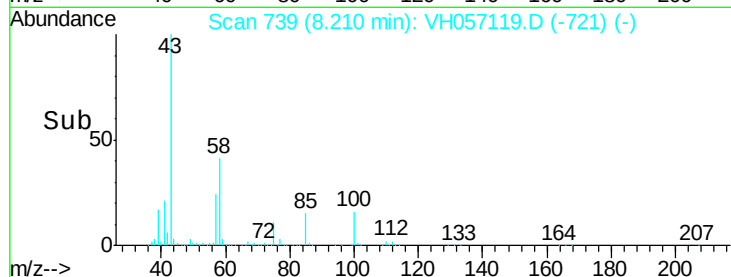
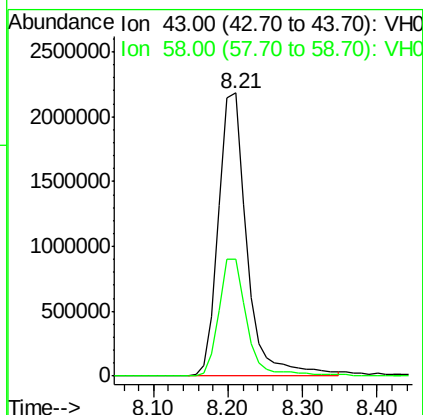
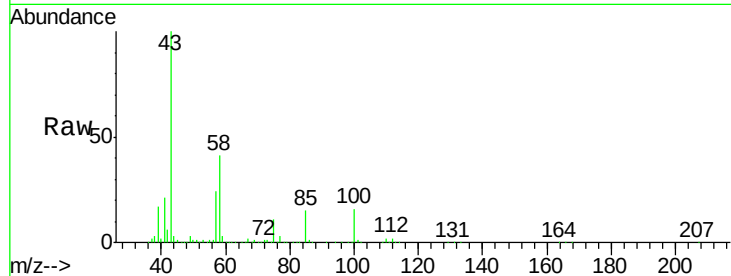




#49
 4-Methyl-2-Pentanone
 Concen: 223.64 ug/l
 RT: 8.21 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

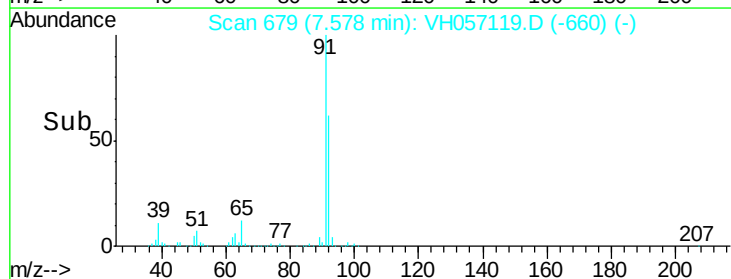
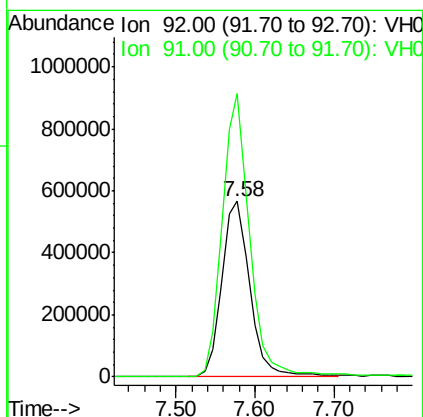
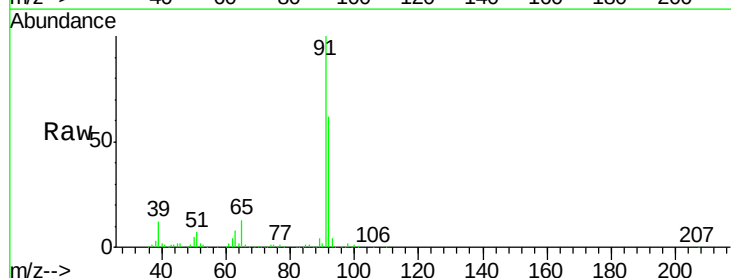
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

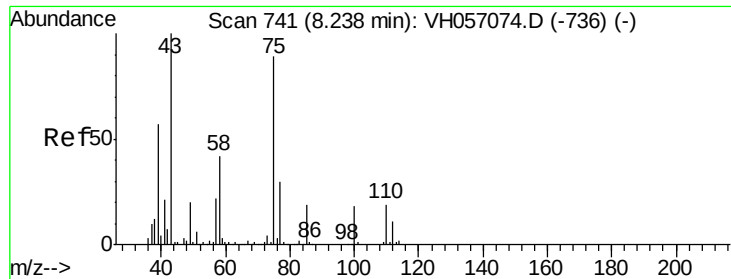
Tgt Ion: 43 Resp: 5706155
 Ion Ratio Lower Upper
 43 100
 58 41.1 20.0 60.0



#50
 Toluene
 Concen: 52.98 ug/l
 RT: 7.58 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion: 92 Resp: 1388075
 Ion Ratio Lower Upper
 92 100
 91 161.1 125.8 188.6





#51

t-1,3-Dichloropropene

Concen: 47.78 ug/l

RT: 8.22 min Scan# 740

Delta R.T. -0.02 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

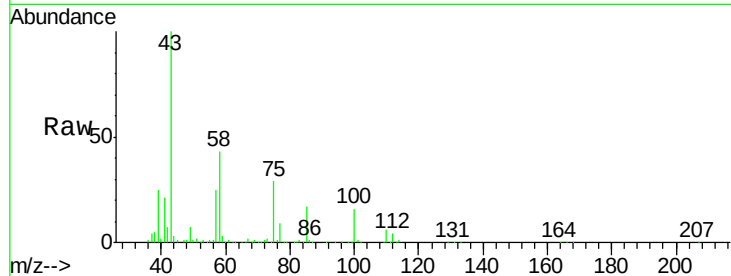
VSTDCCC050EC

Tgt Ion: 75 Resp: 946704

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0

8.22

400000

300000

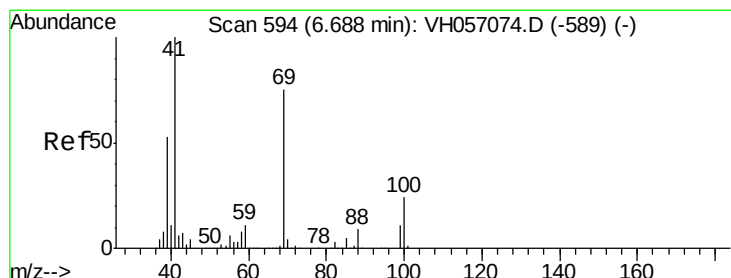
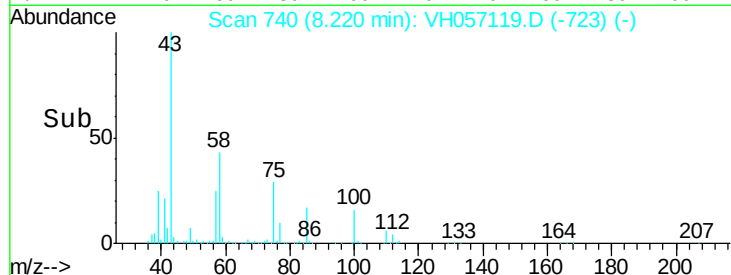
200000

100000

0

Time-->

8.15 8.20 8.25 8.30



#52

Methyl Methacrylate

Concen: 53.29 ug/l

RT: 6.67 min Scan# 593

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

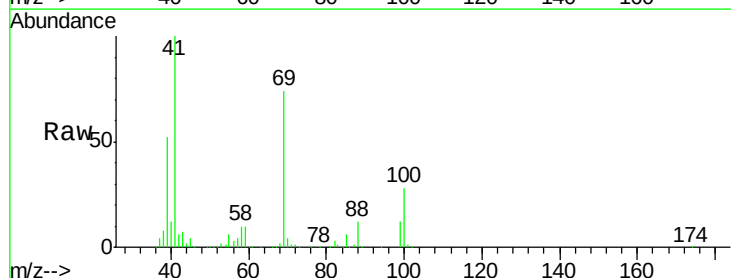
Tgt Ion: 69 Resp: 684136

Ion Ratio Lower Upper

69 100

41 135.5 70.0 209.8

39 70.5 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

6.67

400000

300000

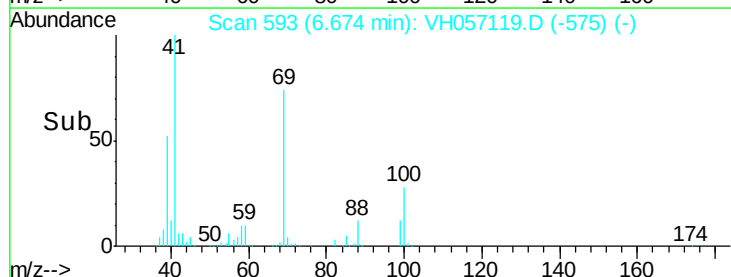
200000

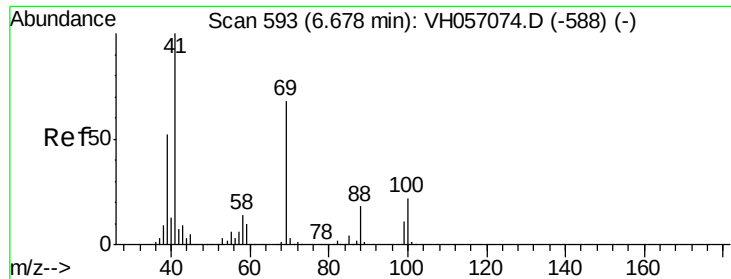
100000

0

Time-->

6.60 6.70 6.80

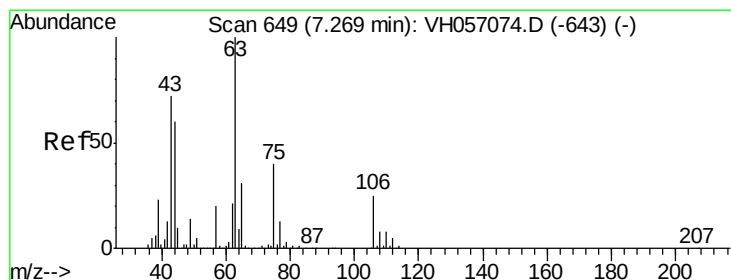
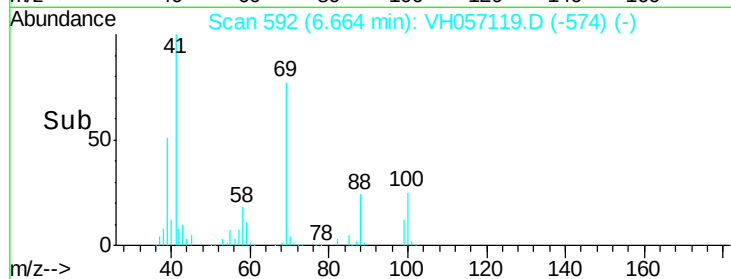
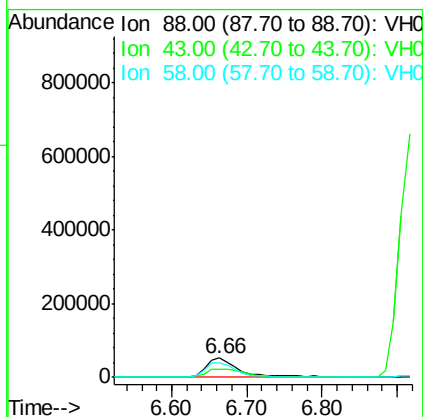
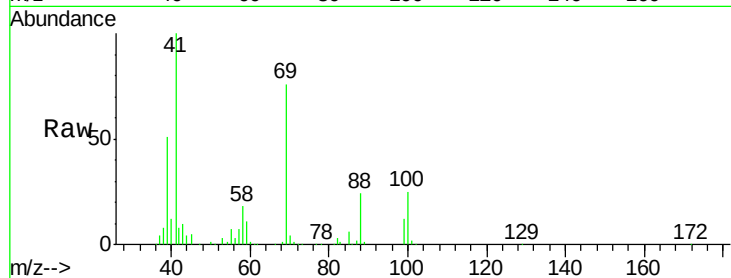




#53
 1,4-Dioxane
 Concen: 1056.88 ug/l
 RT: 6.66 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

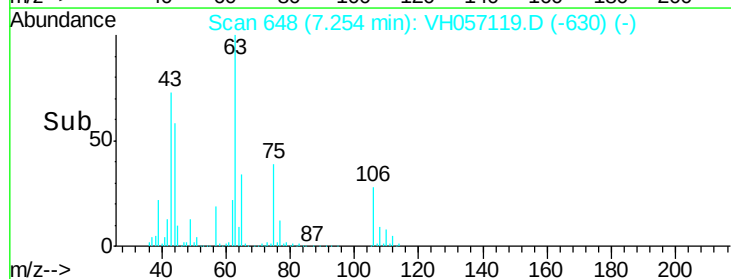
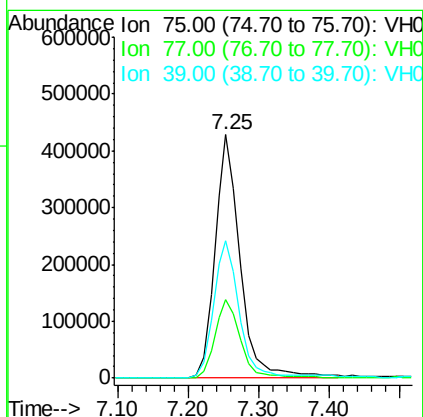
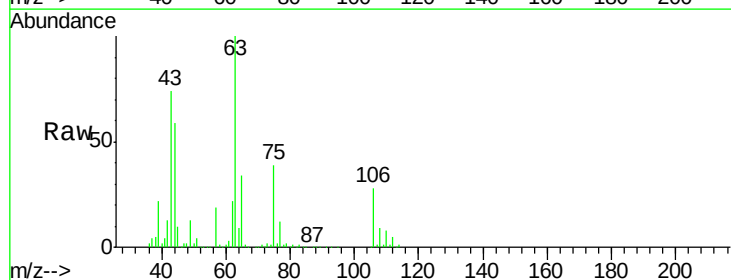
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

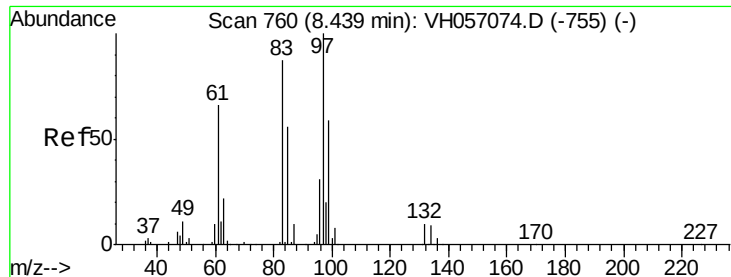
Tgt Ion: 88 Resp: 159142
 Ion Ratio Lower Upper
 88 100
 43 42.7 39.6 59.4
 58 76.8 61.4 92.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.54 ug/l
 RT: 7.25 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion: 75 Resp: 1063339
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8
 39 56.5 50.7 76.1





#55

1,1,2-Trichloroethane

Concen: 51.18 ug/l

RT: 8.43 min Scan# 760

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 569304

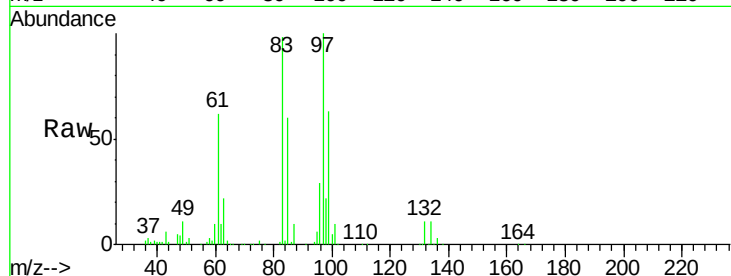
Ion Ratio Lower Upper

97 100

83 98.4 72.7 109.1

85 60.4 45.5 68.3

99 63.4 46.2 69.2

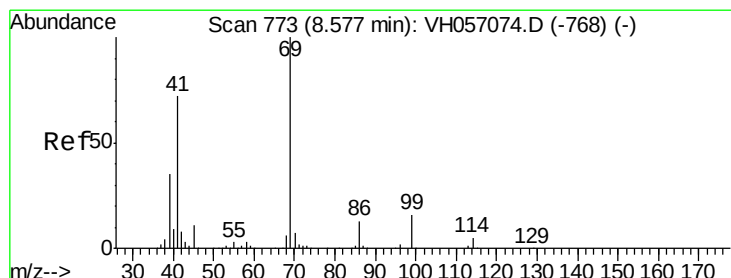
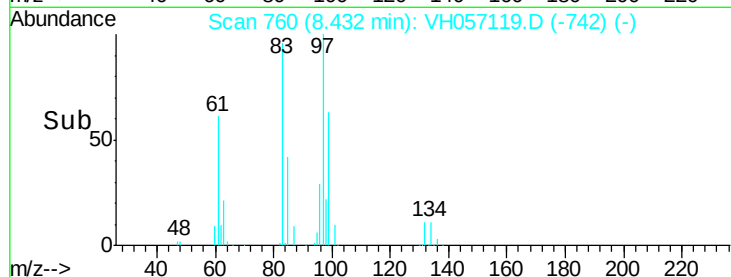
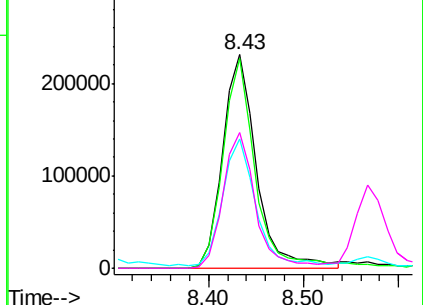


Abundance Ion 97.00 (96.70 to 97.70): VH0

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: 51.97 ug/l

RT: 8.57 min Scan# 773

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

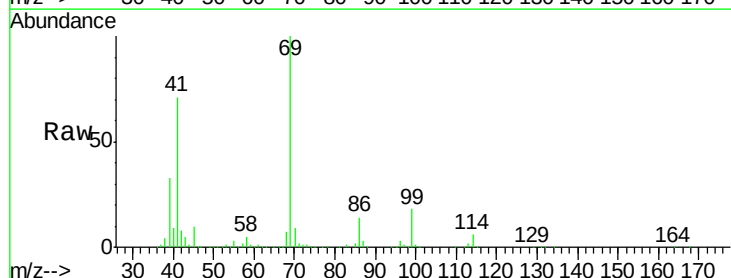
Tgt Ion: 69 Resp: 1141566

Ion Ratio Lower Upper

69 100

41 71.5 39.1 117.3

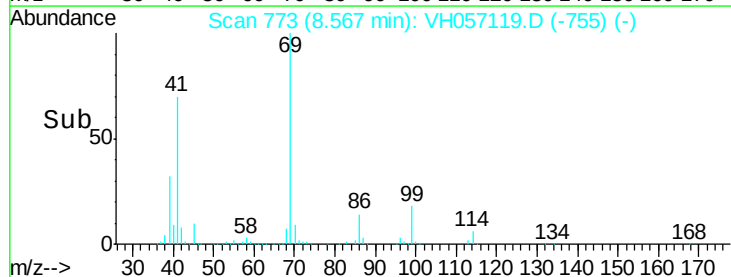
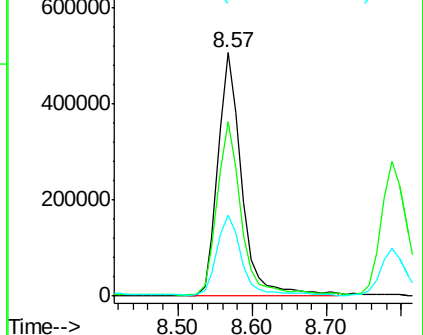
39 33.2 19.2 57.6

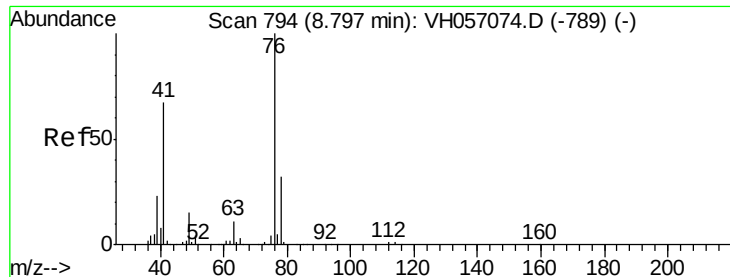


Abundance Ion 69.00 (68.70 to 69.70): VH0

Ion 41.00 (40.70 to 41.70): VH0

Ion 39.00 (38.70 to 39.70): VH0





#57

1,3-Dichloropropane

Concen: 50.96 ug/l

RT: 8.79 min Scan# 794

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

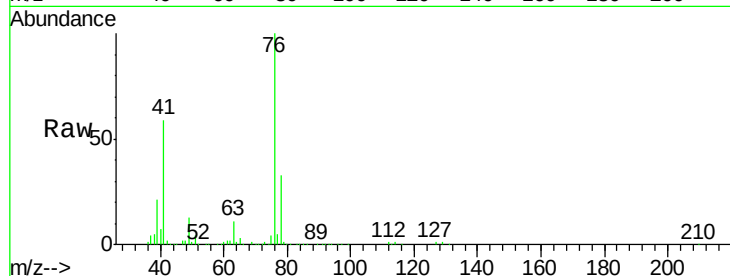
VSTDCCC050EC

Tgt Ion: 76 Resp: 1152774

Ion Ratio Lower Upper

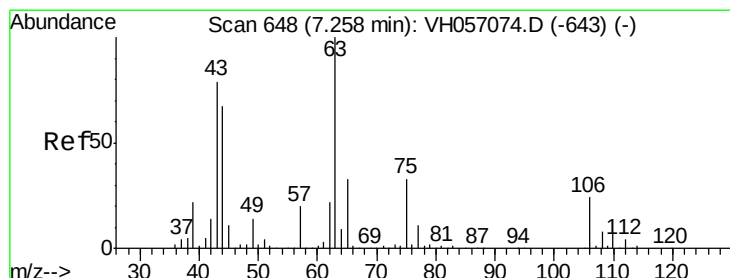
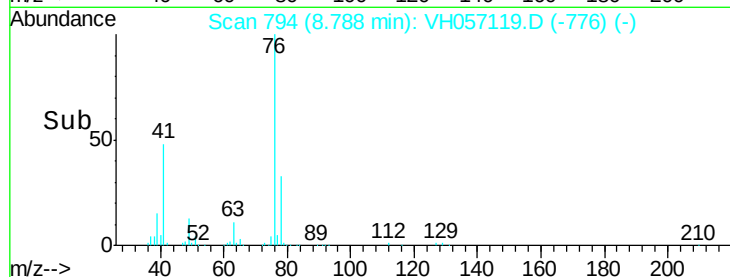
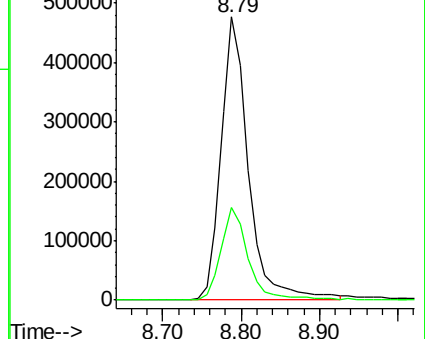
76 100

78 32.6 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VH0

Ion 78.00 (77.70 to 78.70): VH0



#58

2-Chloroethyl Vinyl ether

Concen: 265.46 ug/l

RT: 7.25 min Scan# 648

Delta R.T. -0.00 min

Lab File: VH057119.D

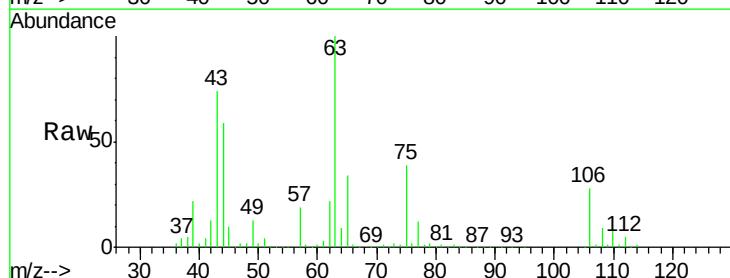
Acq: 22 Sep 2015 22:27

Tgt Ion: 63 Resp: 2883230

Ion Ratio Lower Upper

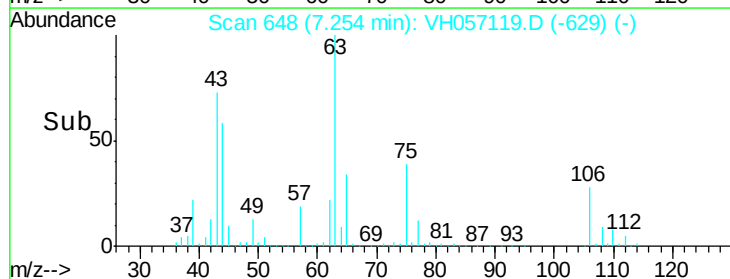
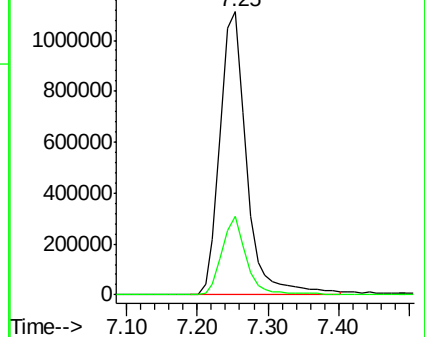
63 100

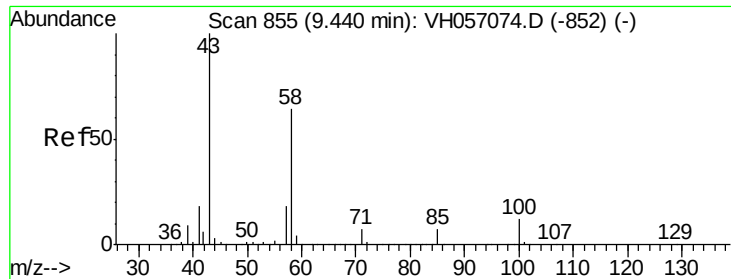
106 27.5 18.0 27.0#



Abundance Ion 63.00 (62.70 to 63.70): VH0

Ion 106.00 (105.70 to 106.70): V

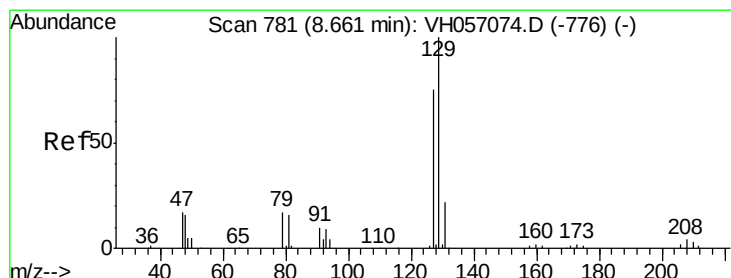
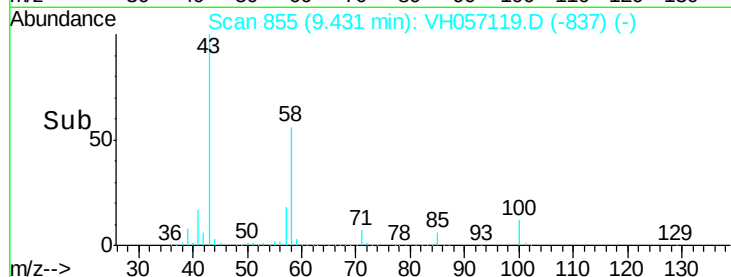
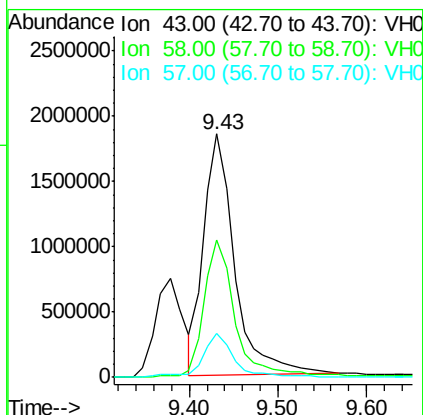
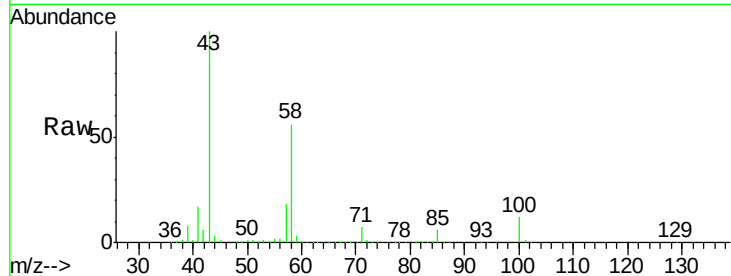




#59
2-Hexanone
Concen: 223.22 ug/l
RT: 9.43 min Scan# 855
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

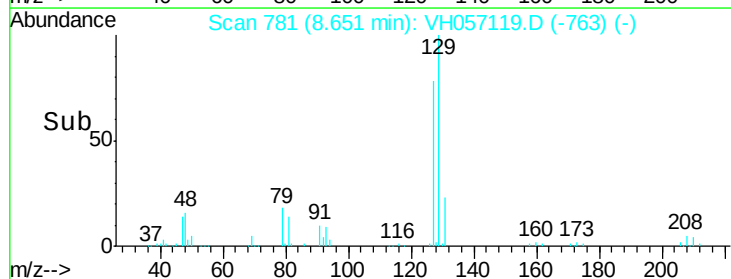
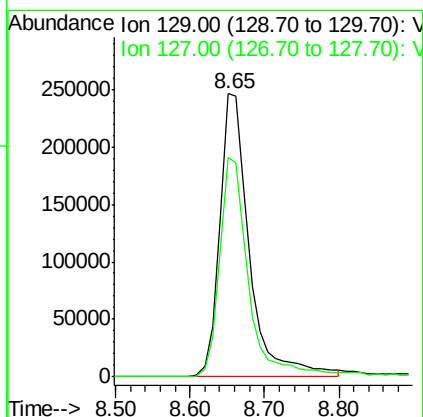
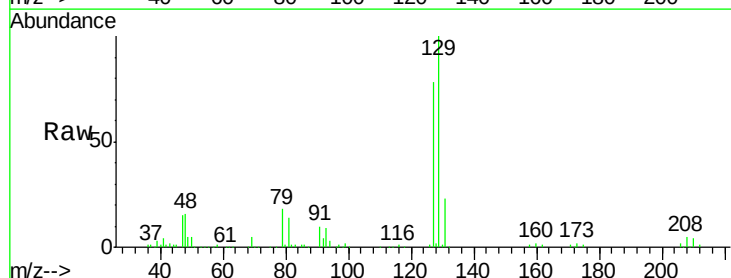
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

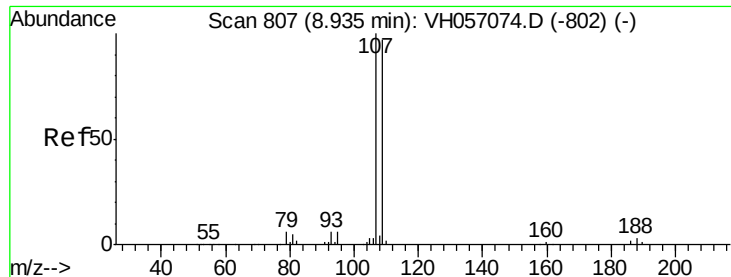
Tgt Ion: 43 Resp: 4450103
Ion Ratio Lower Upper
43 100
58 56.5 27.1 81.2
57 18.0 8.1 24.3



#60
Dibromochloromethane
Concen: 53.55 ug/l
RT: 8.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion: 129 Resp: 675270
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 54.89 ug/l

RT: 8.93 min Scan# 807

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

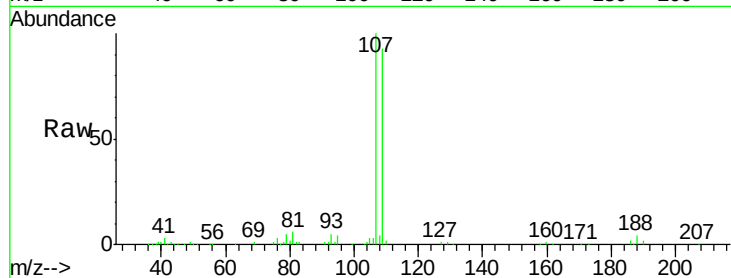
VSTDCCC050EC

Tgt Ion: 107 Resp: 702549

Ion Ratio Lower Upper

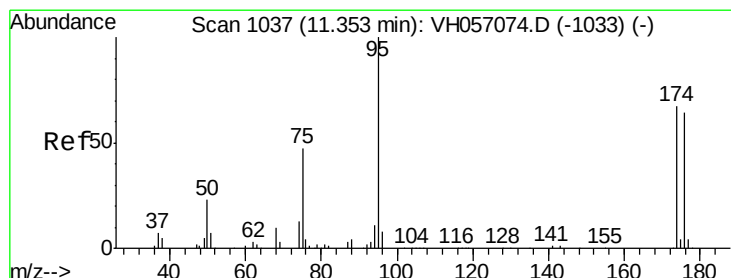
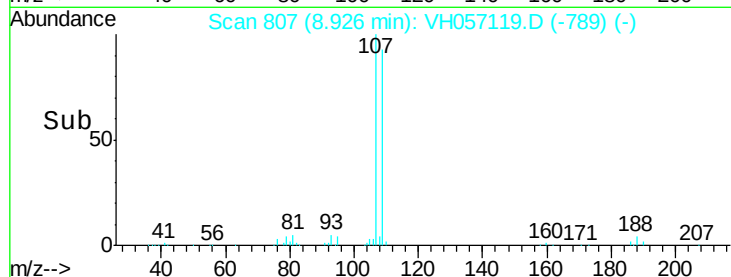
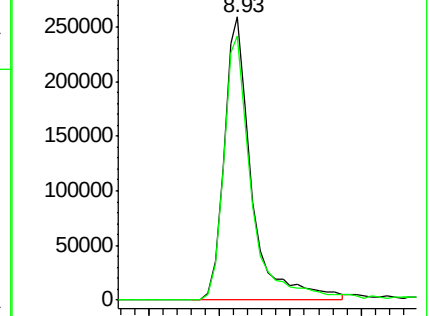
107 100

109 93.2 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: 50.95 ug/l

RT: 11.35 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

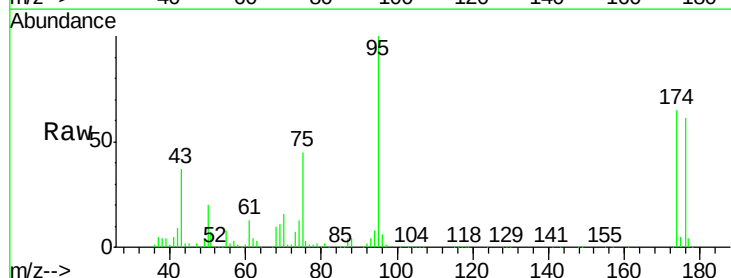
Tgt Ion: 95 Resp: 615252

Ion Ratio Lower Upper

95 100

174 64.8 58.4 87.6

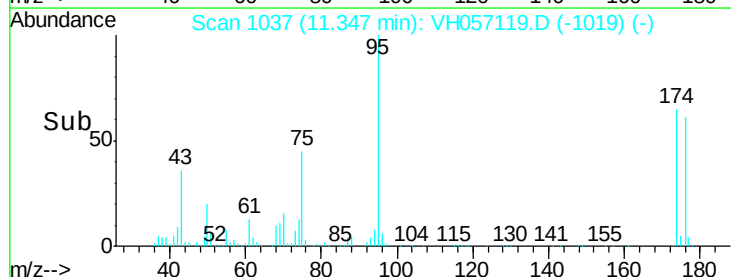
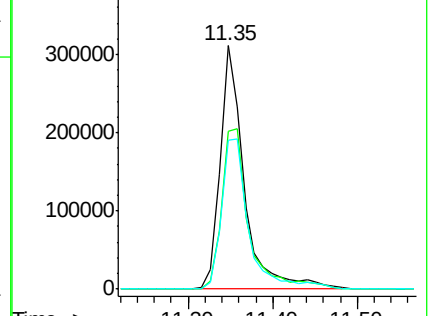
176 61.1 54.3 81.5

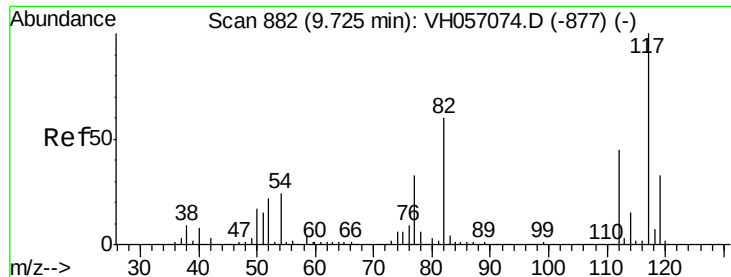


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

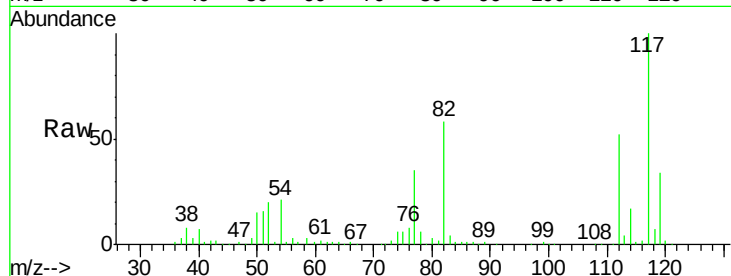




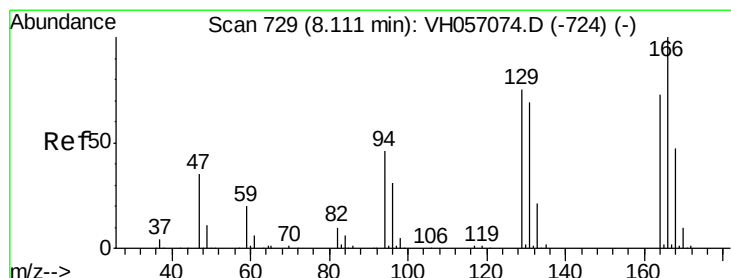
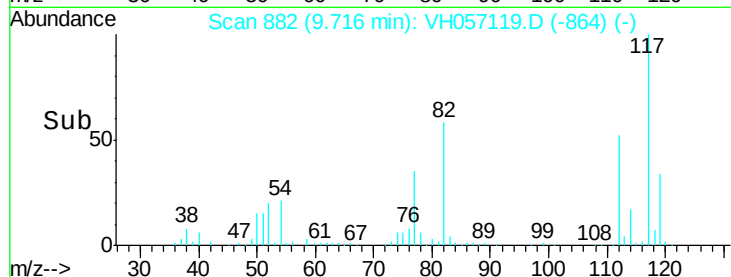
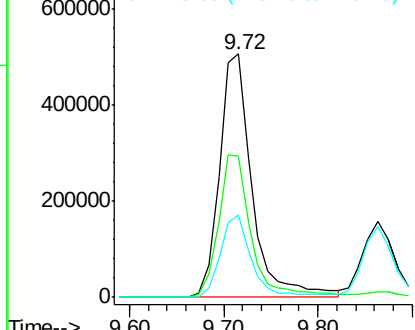
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.72 min Scan# 882
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1220012
Ion Ratio Lower Upper
117 100
82 58.0 51.0 76.6
119 33.7 26.7 40.1

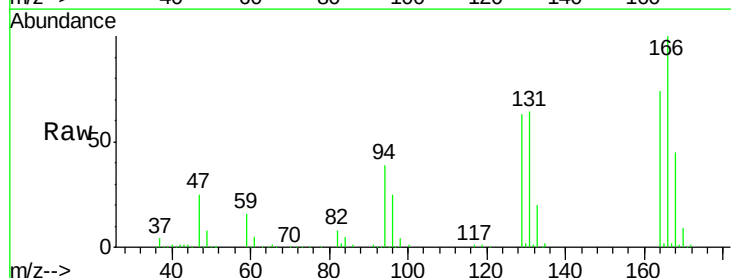


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

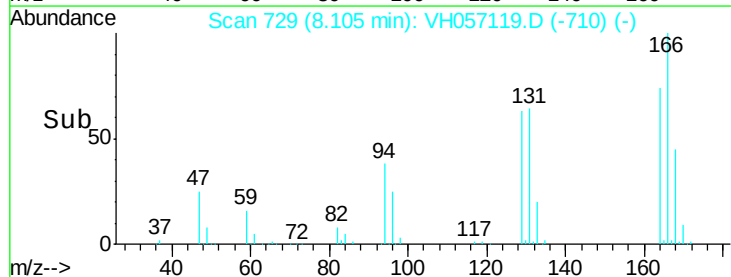
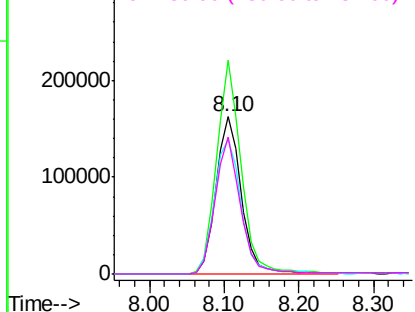


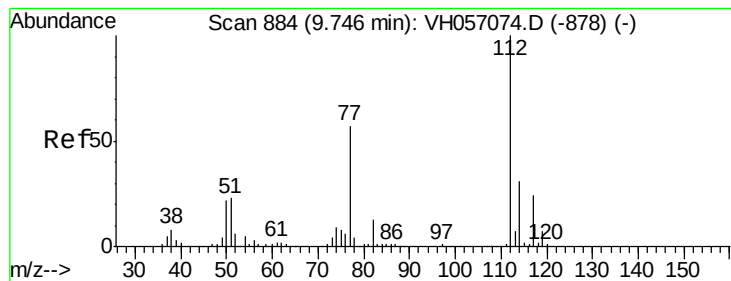
#64
Tetrachloroethene
Concen: 55.72 ug/l
RT: 8.10 min Scan# 729
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion:164 Resp: 385195
Ion Ratio Lower Upper
164 100
166 135.8 103.2 154.8
129 85.7 73.4 110.0
131 86.8 70.8 106.2



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





#65

Chlorobenzene

Concen: 54.10 ug/l

RT: 9.74 min Scan# 884

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

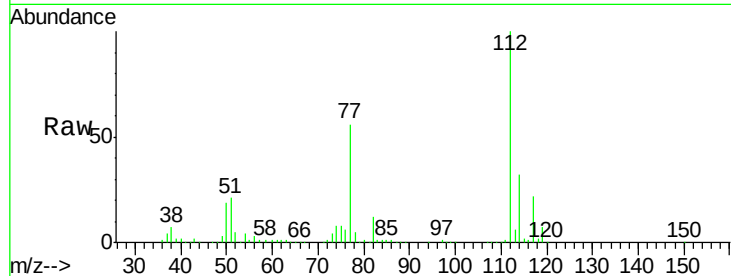
VSTDCCC050EC

Tgt Ion:112 Resp: 1436259

Ion Ratio Lower Upper

112 100

114 31.7 26.3 39.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

600000

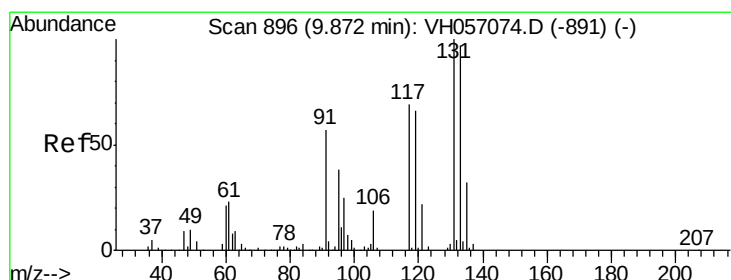
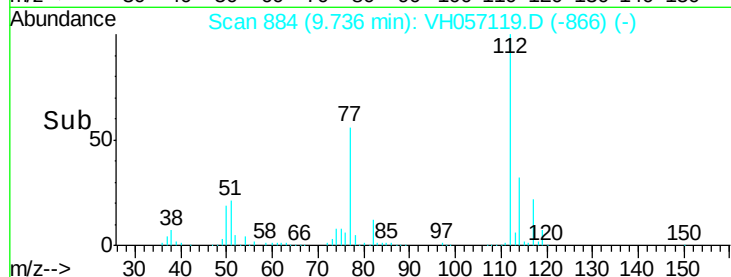
400000

200000

0

9.60 9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.21 ug/l

RT: 9.86 min Scan# 896

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

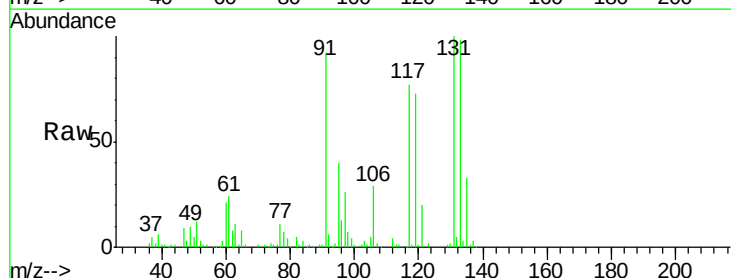
Tgt Ion:131 Resp: 487461

Ion Ratio Lower Upper

131 100

133 98.4 51.1 153.3

119 72.8 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

250000

200000

150000

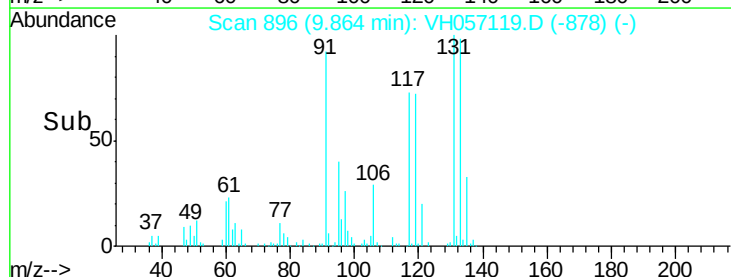
100000

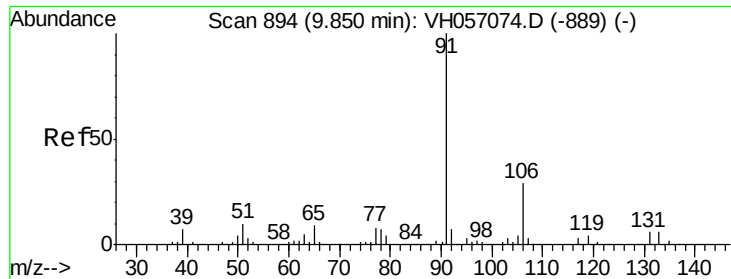
50000

0

9.80 9.90 10.00

Time-->





#67

Ethyl Benzene

Concen: 52.65 ug/l

RT: 9.83 min Scan# 893

Delta R.T. -0.02 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

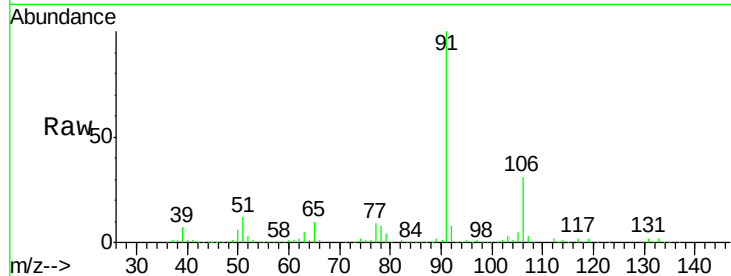
VSTDCCC050EC

Tgt Ion:106 Resp: 669057

Ion Ratio Lower Upper

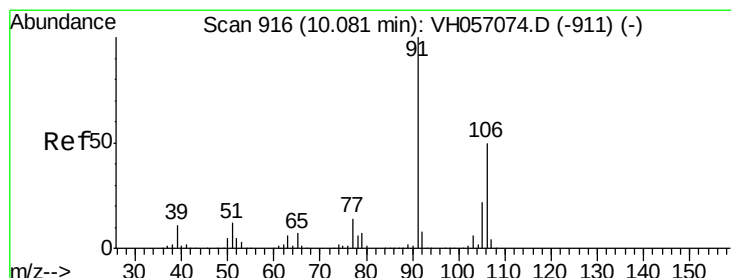
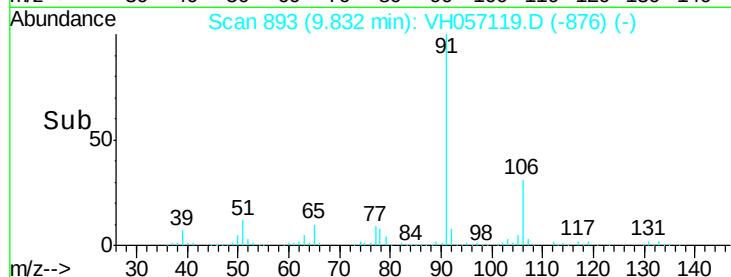
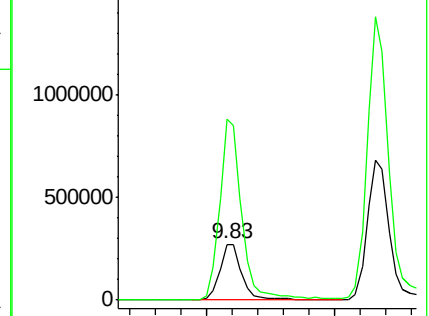
106 100

91 324.9 264.9 397.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0



#68

m/p-Xylenes

Concen: 107.08 ug/l

RT: 10.06 min Scan# 915

Delta R.T. -0.02 min

Lab File: VH057119.D

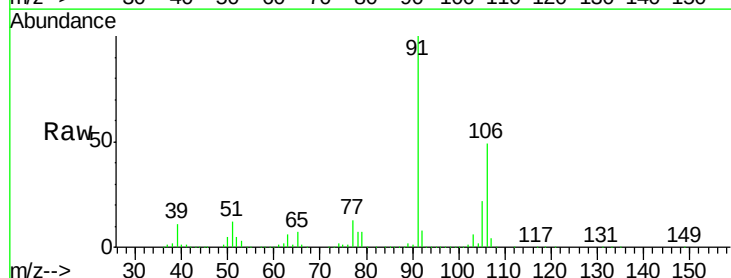
Acq: 22 Sep 2015 22:27

Tgt Ion:106 Resp: 1655132

Ion Ratio Lower Upper

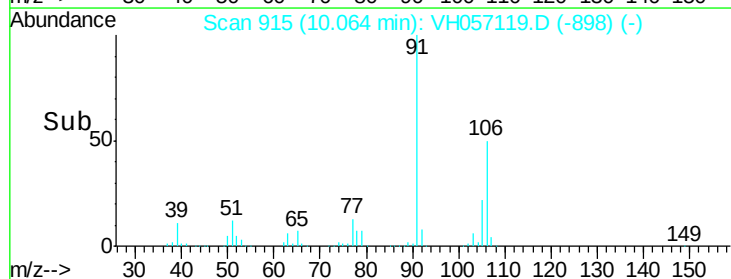
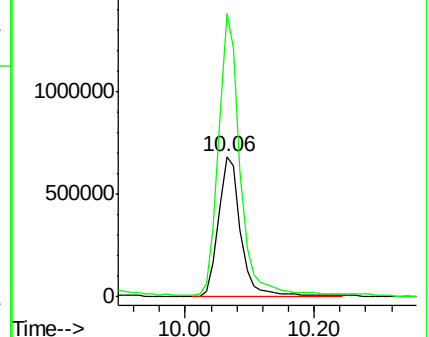
106 100

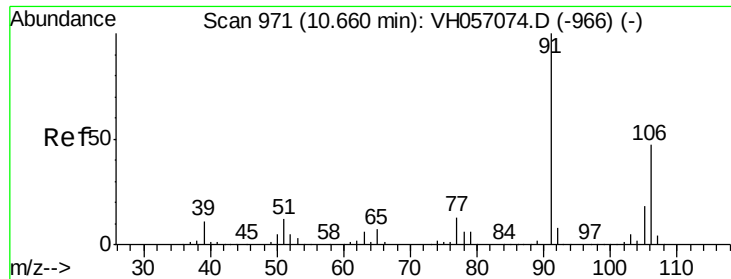
91 202.2 164.4 246.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VH0

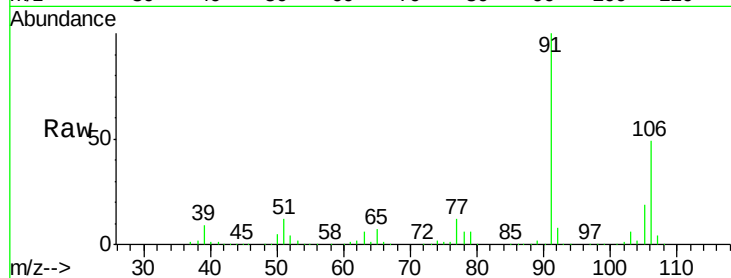




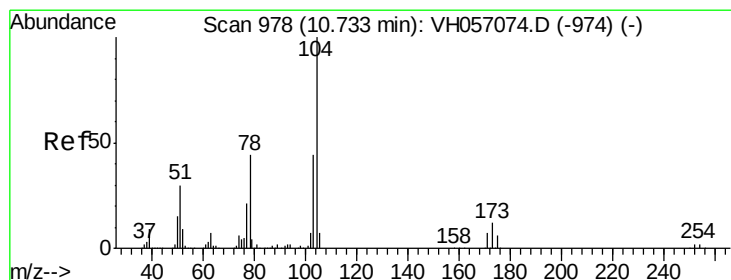
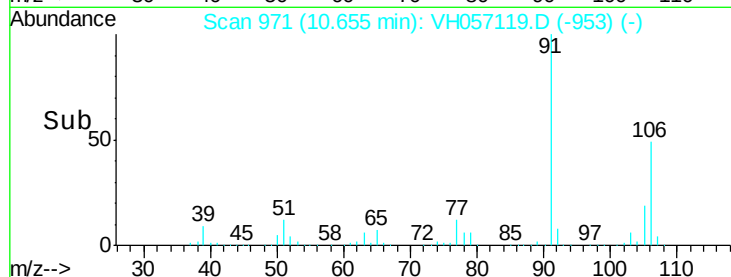
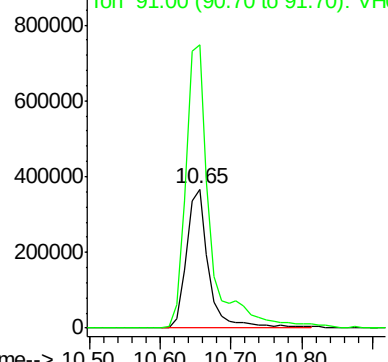
#69
o-Xylene
Concen: 54.51 ug/l
RT: 10.65 min Scan# 971
Delta R.T. -0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 809103
Ion Ratio Lower Upper
106 100
91 203.9 104.2 312.6

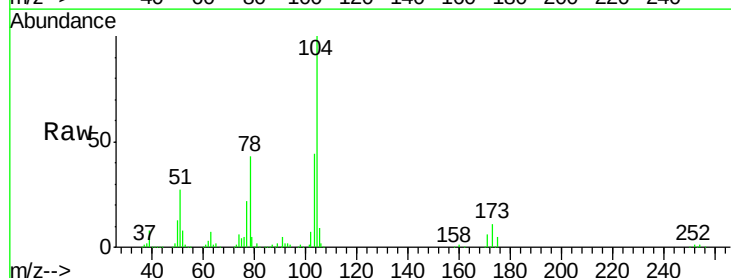


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VH0

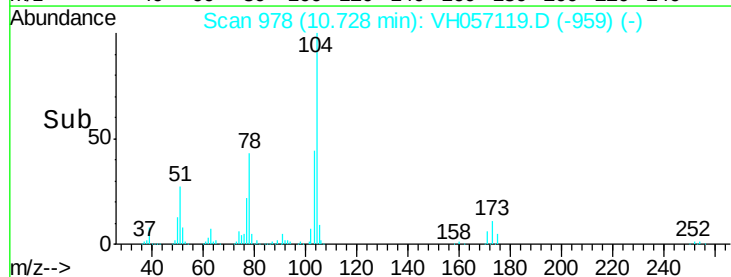
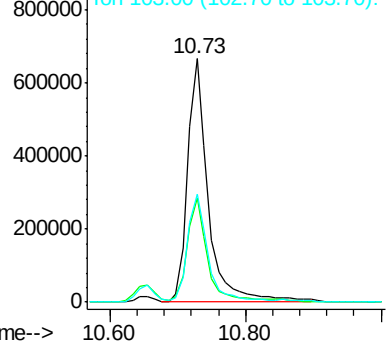


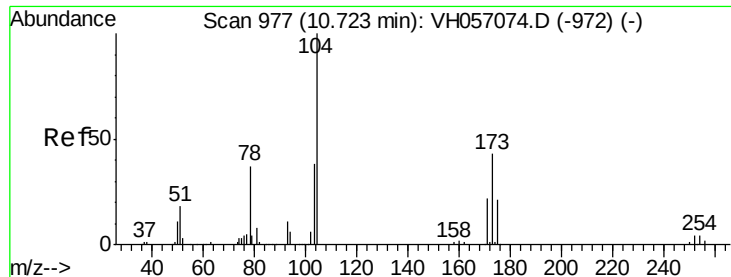
#70
Styrene
Concen: 53.69 ug/l
RT: 10.73 min Scan# 978
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion:104 Resp: 1391768
Ion Ratio Lower Upper
104 100
78 42.8 35.2 52.8
103 44.2 35.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VH0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.80 ug/l

RT: 10.71 min Scan# 976

Delta R.T. -0.02 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

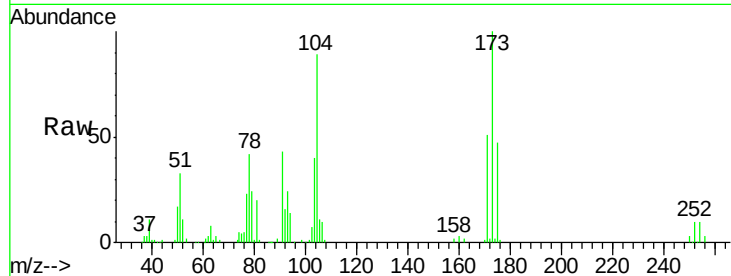
Tgt Ion:173 Resp: 429502

Ion Ratio Lower Upper

173 100

175 46.8 23.3 69.9

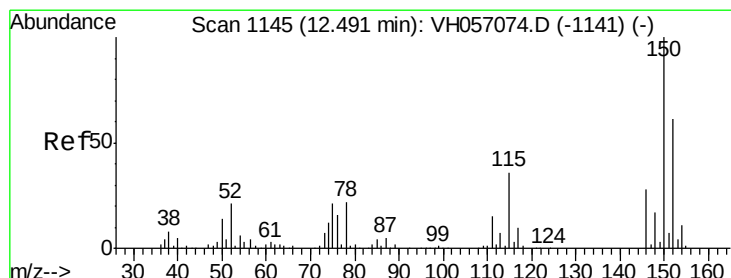
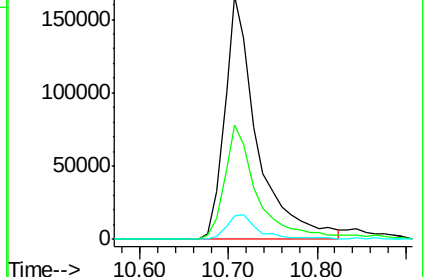
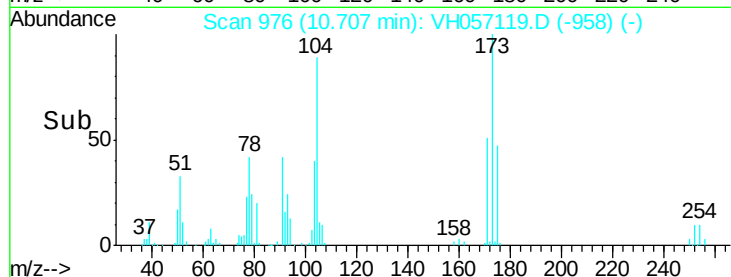
254 9.6 4.4 13.2



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# 1145

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

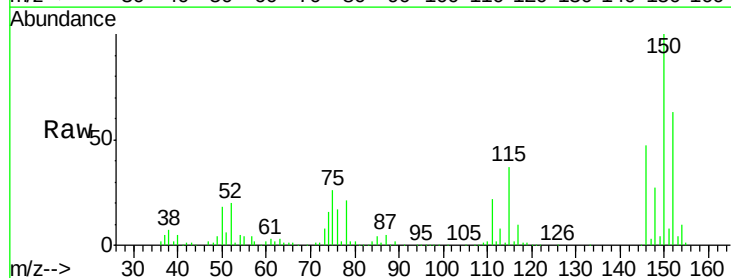
Tgt Ion:152 Resp: 348535

Ion Ratio Lower Upper

152 100

115 58.6 28.2 84.6

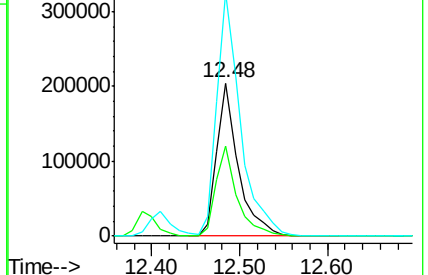
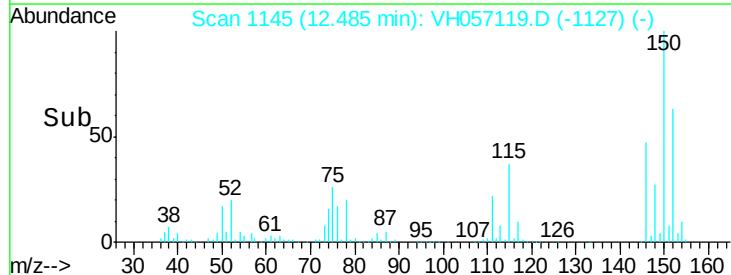
150 159.4 0.0 332.0

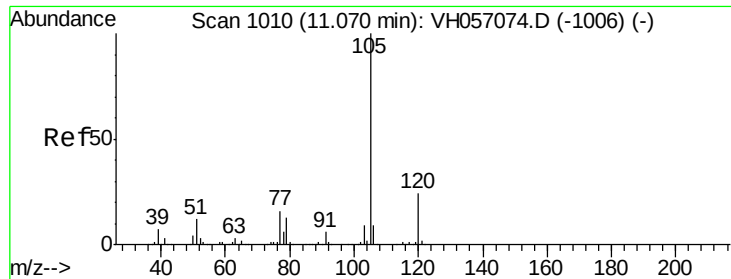


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.51 ug/l

RT: 11.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

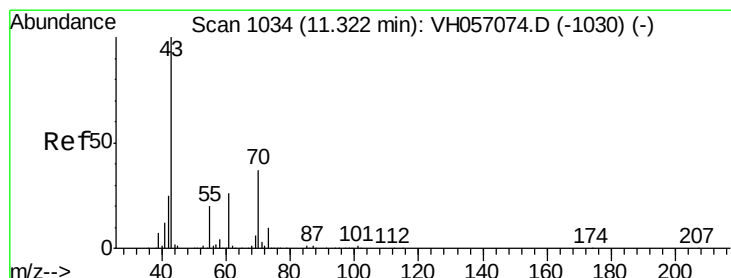
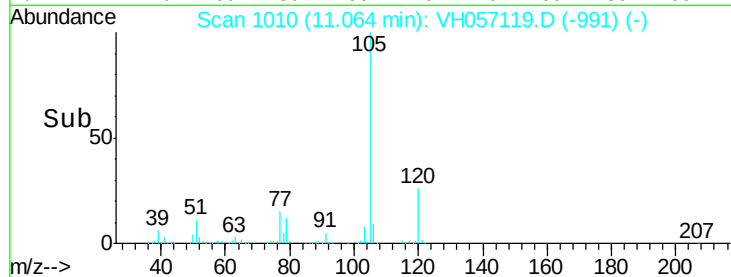
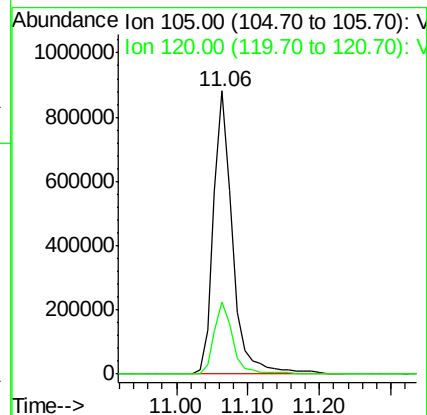
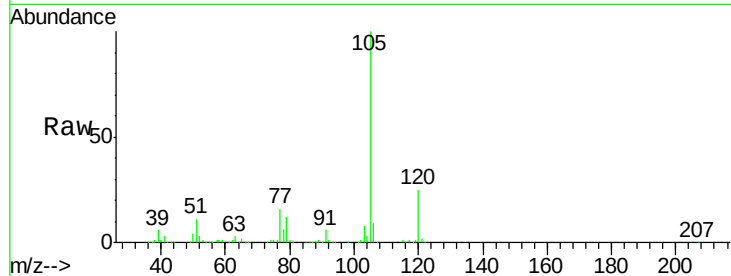
VSTDCCC050EC

Tgt Ion:105 Resp: 1639440

Ion Ratio Lower Upper

105 100

120 25.5 12.2 36.4



#74

n-Amyl Acetate

Concen: 49.64 ug/l

RT: 11.32 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Tgt Ion: 43 Resp: 1678846

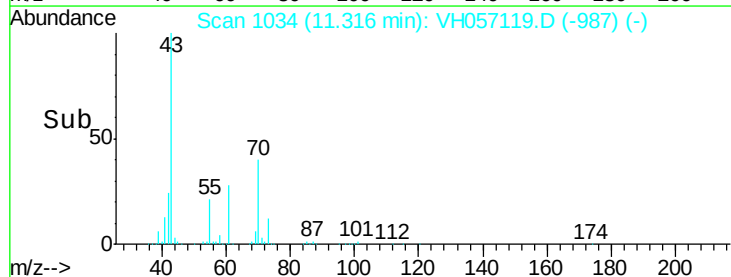
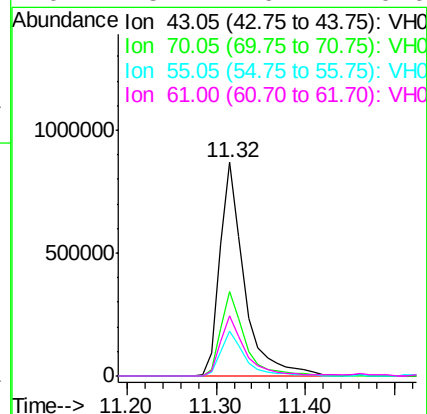
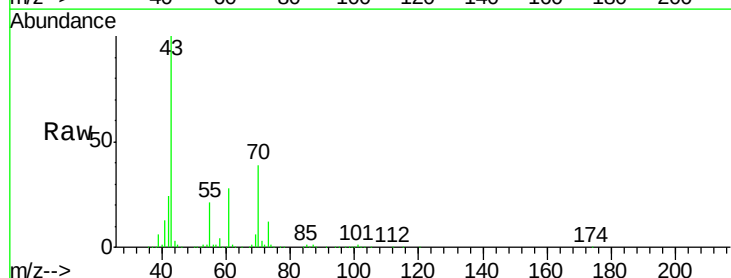
Ion Ratio Lower Upper

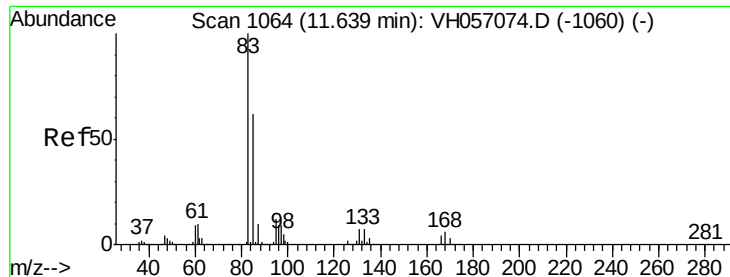
43 100

70 39.5 27.3 40.9

55 21.2 15.3 22.9

61 28.2 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.55 ug/l

RT: 11.63 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

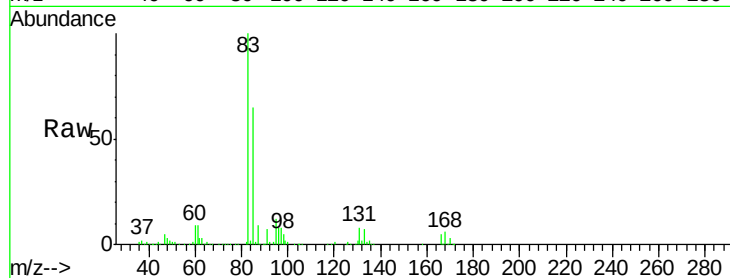
Tgt Ion: 83 Resp: 876857

Ion Ratio Lower Upper

83 100

131 7.6 3.1 9.3

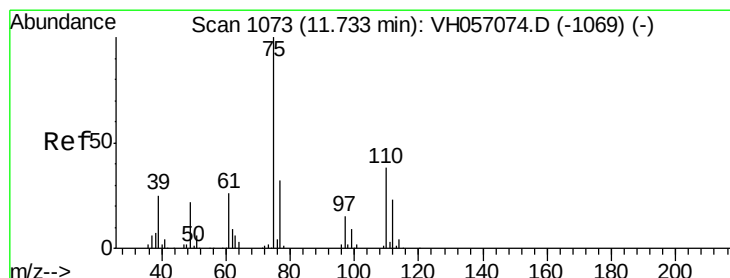
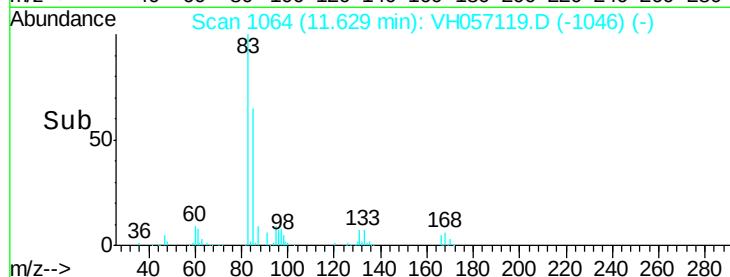
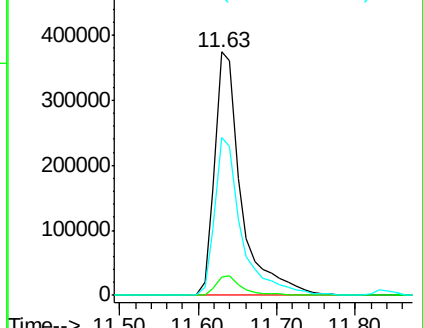
85 65.0 32.3 96.8



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: 52.44 ug/l

RT: 11.72 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VH057119.D

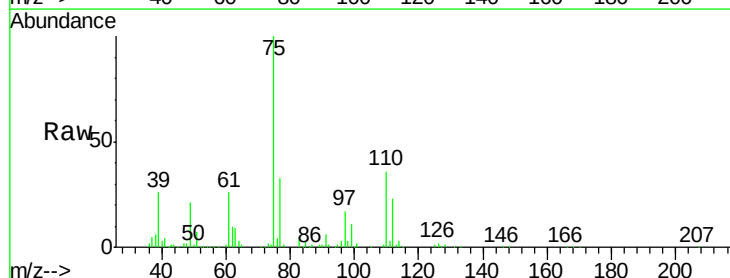
Acq: 22 Sep 2015 22:27

Tgt Ion: 75 Resp: 686626

Ion Ratio Lower Upper

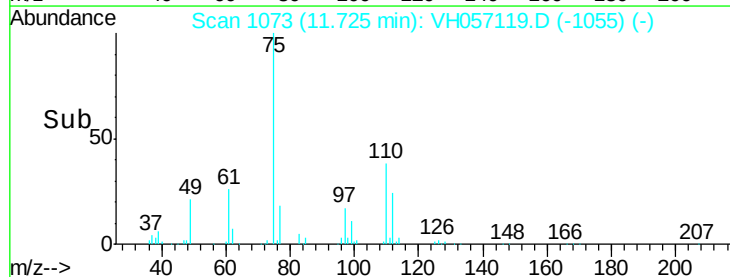
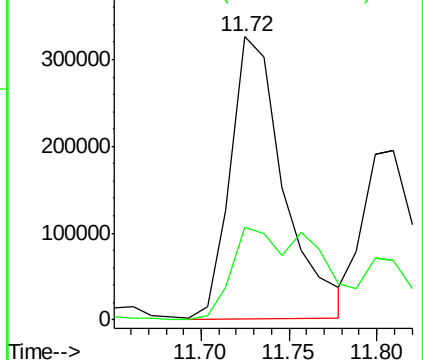
75 100

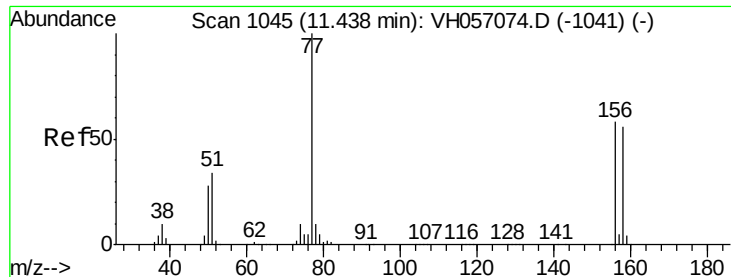
77 32.9 14.9 44.9



Abundance Ion 75.00 (74.70 to 75.70): VH0

Ion 77.00 (76.70 to 77.70): VH0





#77

Bromobenzene

Concen: 55.93 ug/l

RT: 11.43 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

VSTDCCC050EC

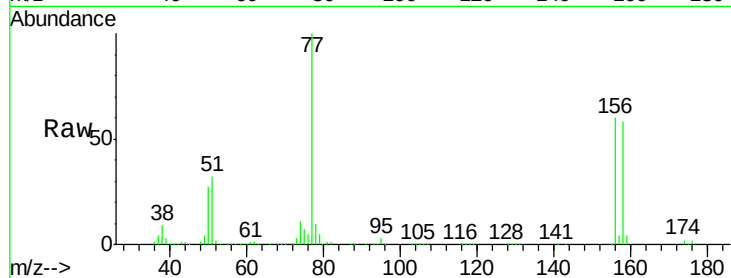
Tgt Ion:156 Resp: 506696

Ion Ratio Lower Upper

156 100

77 167.8 73.5 220.5

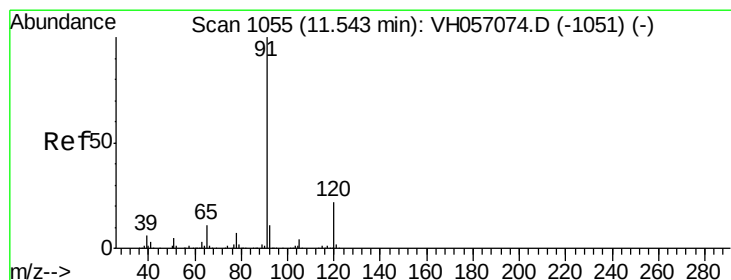
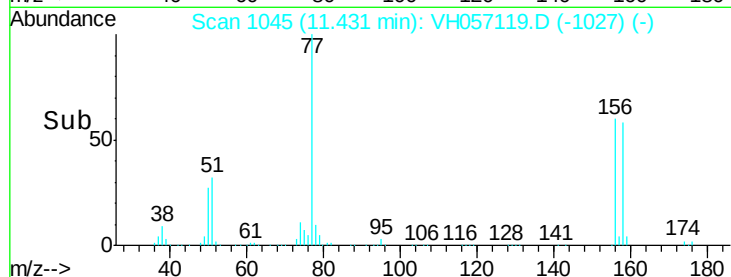
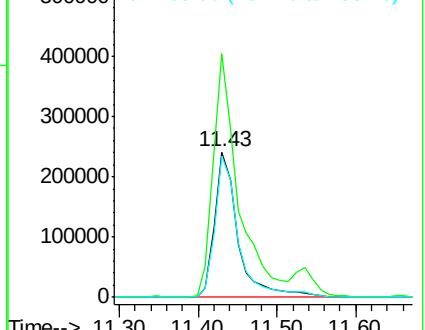
158 97.3 46.8 140.3



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: 49.61 ug/l

RT: 11.53 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VH057119.D

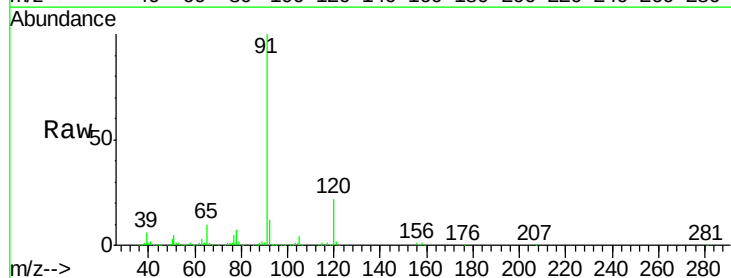
Acq: 22 Sep 2015 22:27

Tgt Ion: 91 Resp: 1688197

Ion Ratio Lower Upper

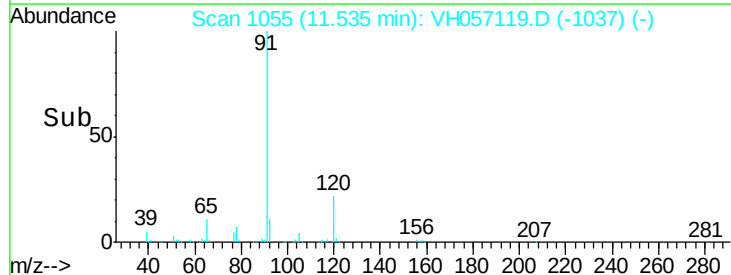
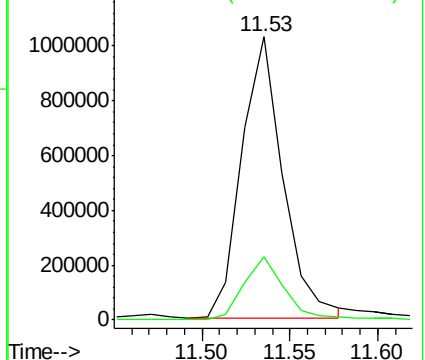
91 100

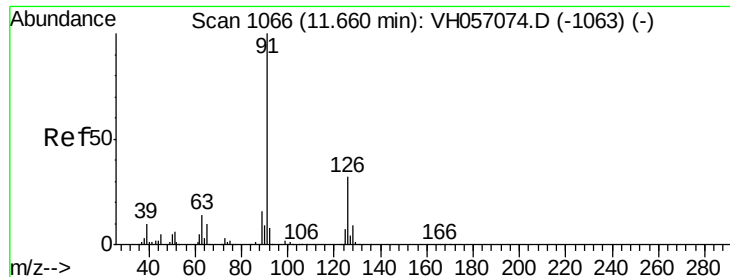
120 22.4 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VH0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.61 ug/l

RT: 11.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VH057119.D

Acq: 22 Sep 2015 22:27

Instrument :

MSVOA_H

ClientSampleId :

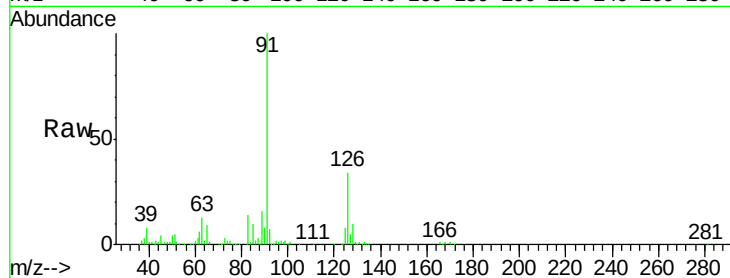
VSTDCCC050EC

Tgt Ion: 91 Resp: 1038891

Ion Ratio Lower Upper

91 100

126 33.7 16.3 48.9



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

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

11.66

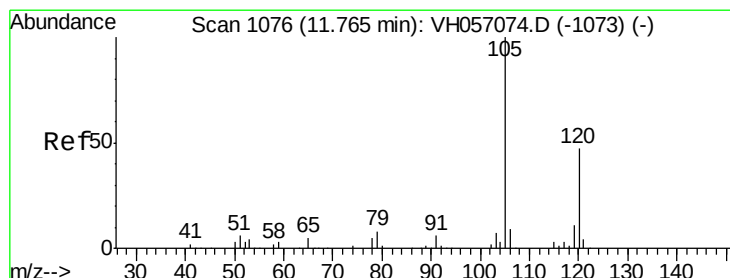
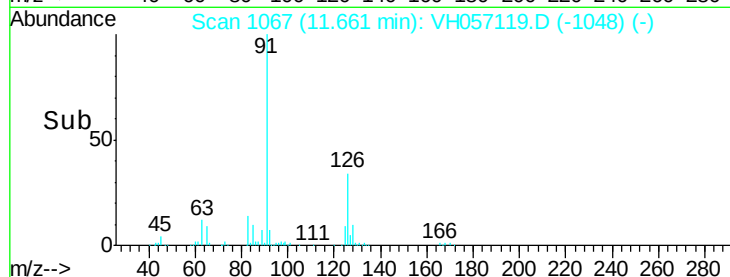
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.70 ug/l

RT: 11.77 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VH057119.D

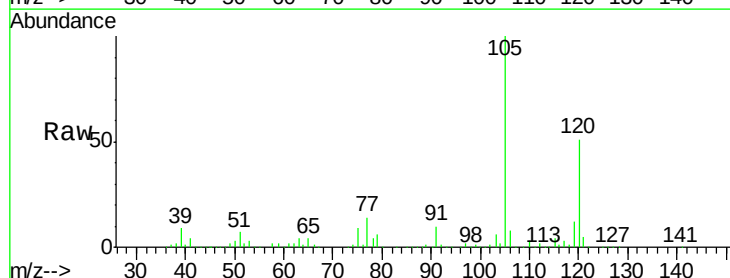
Acq: 22 Sep 2015 22:27

Tgt Ion: 105 Resp: 1075329

Ion Ratio Lower Upper

105 100

120 51.5 23.6 71.0



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

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

11.77

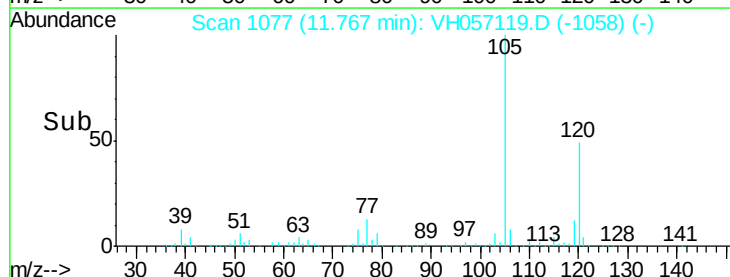
600000

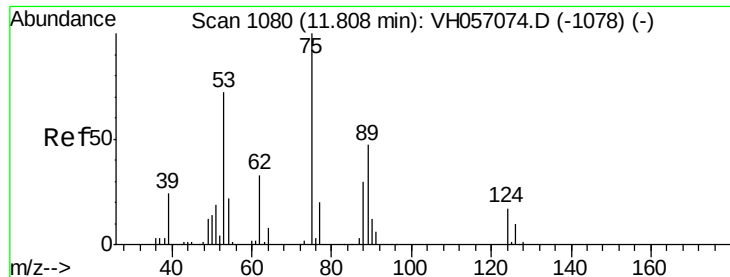
400000

200000

0

Time-->

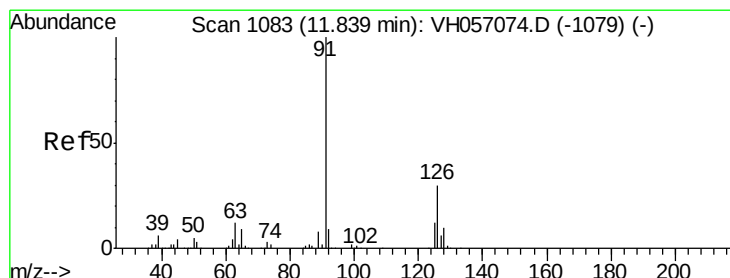
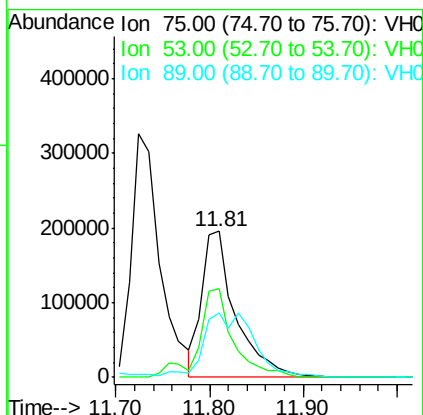
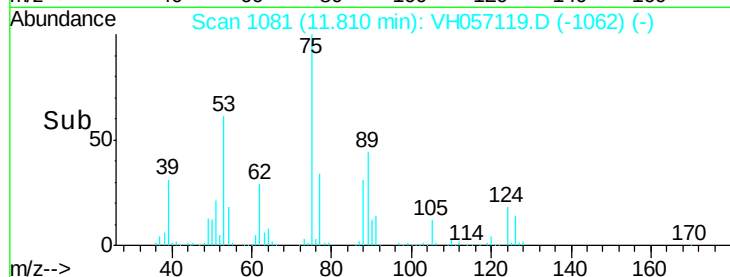
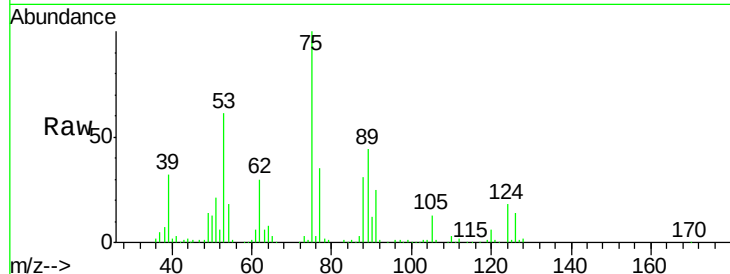




#81
trans-1,4-Dichloro-2-Butene
Concen: 50.93 ug/l
RT: 11.81 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

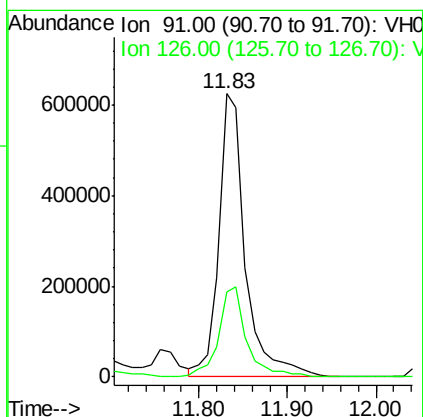
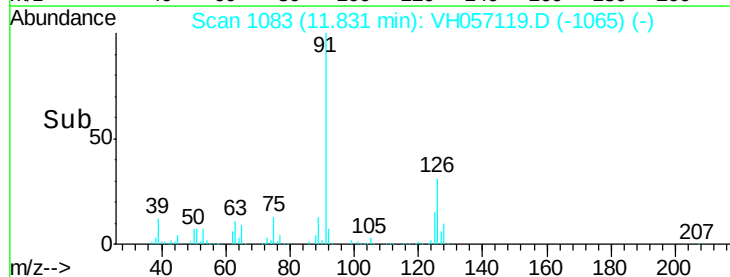
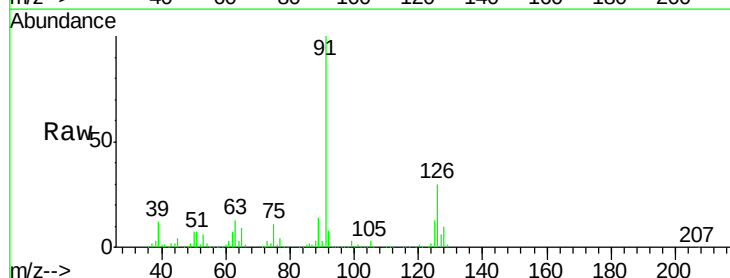
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

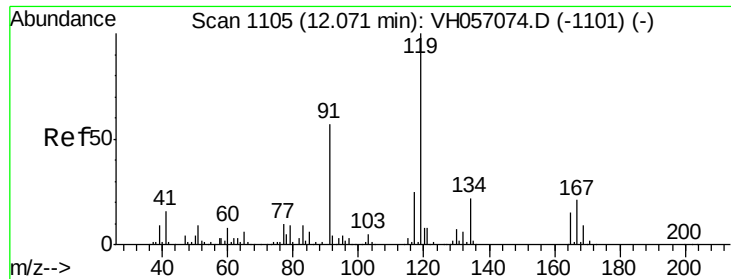
Tgt Ion: 75 Resp: 485995
Ion Ratio Lower Upper
75 100
53 60.7 32.0 96.2
89 44.3 21.1 63.3



#82
4-Chlorotoluene
Concen: 51.23 ug/l
RT: 11.83 min Scan# 1083
Delta R.T. -0.01 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion: 91 Resp: 1270479
Ion Ratio Lower Upper
91 100
126 29.9 17.0 51.0

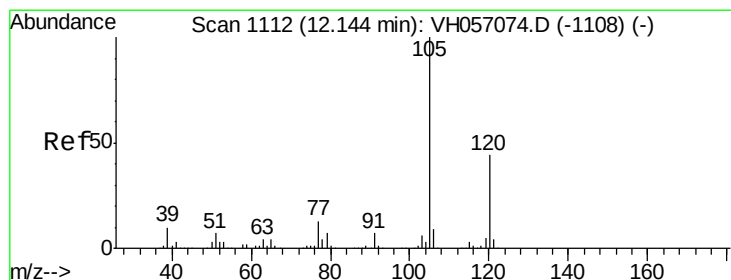
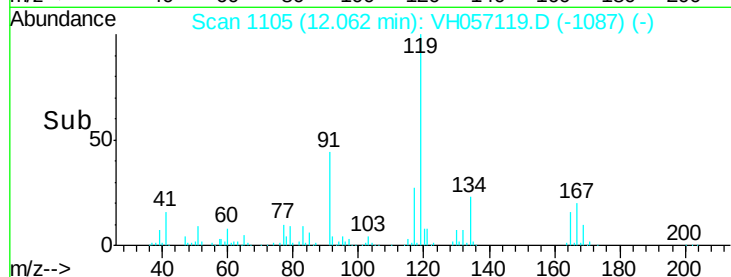
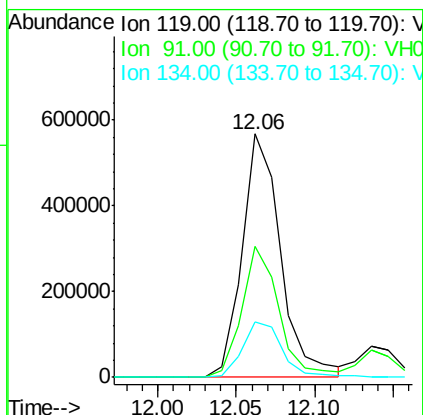
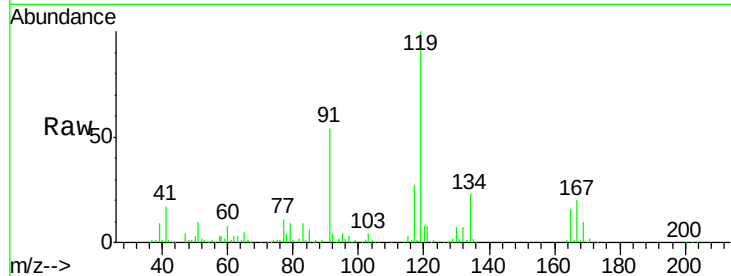




#83
 tert-Butylbenzene
 Concen: 49.20 ug/l
 RT: 12.06 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

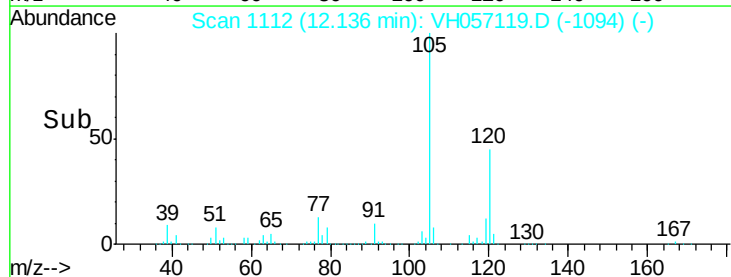
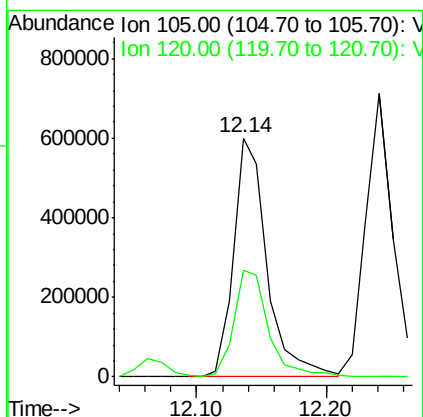
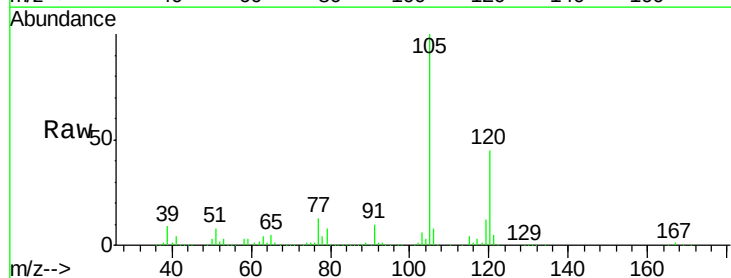
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

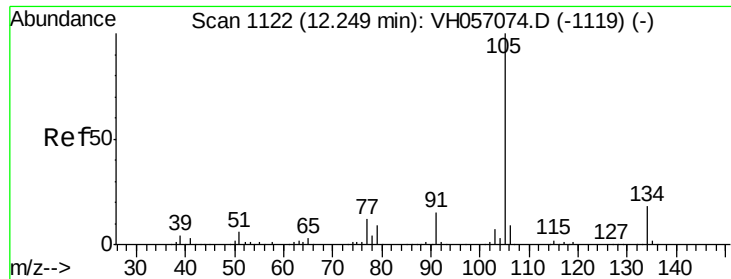
Tgt Ion:119 Resp: 966119
 Ion Ratio Lower Upper
 119 100
 91 53.9 28.5 85.6
 134 22.6 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 49.70 ug/l
 RT: 12.14 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion:105 Resp: 1066905
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.7

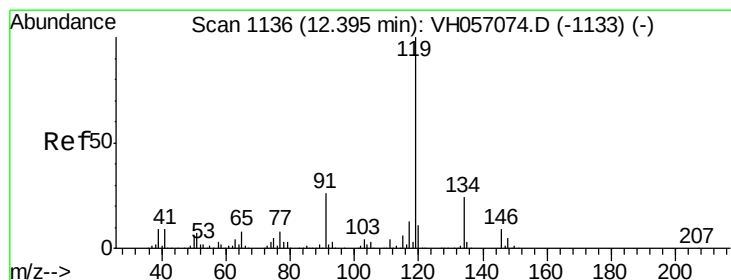
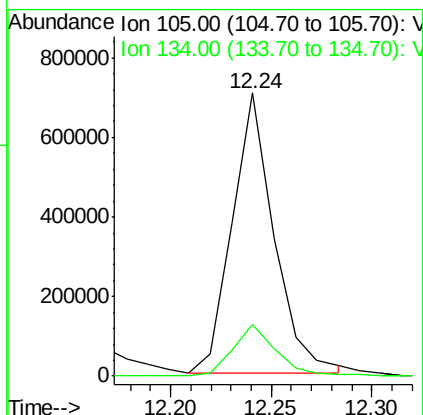
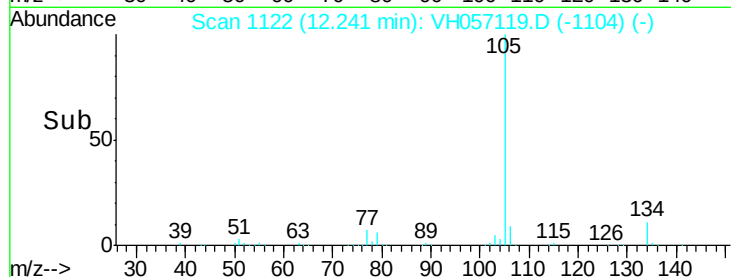
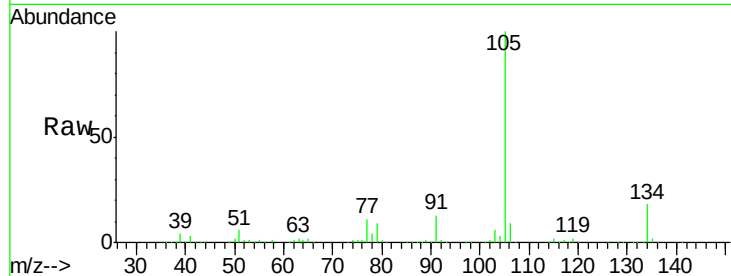




#85
 sec-Butylbenzene
 Concen: 48.48 ug/l
 RT: 12.24 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

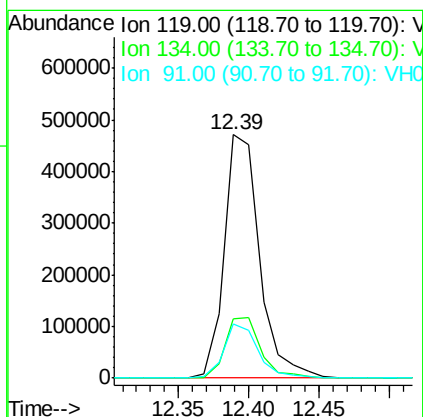
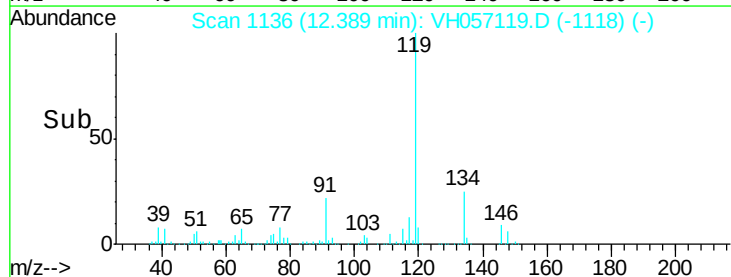
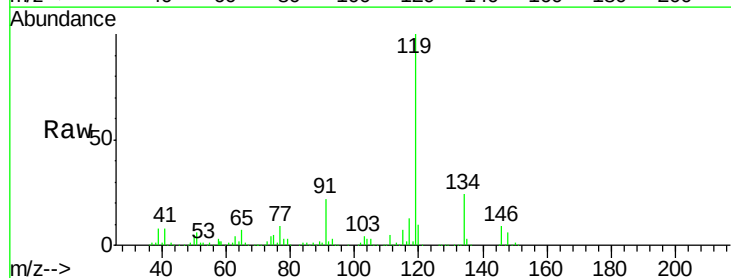
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

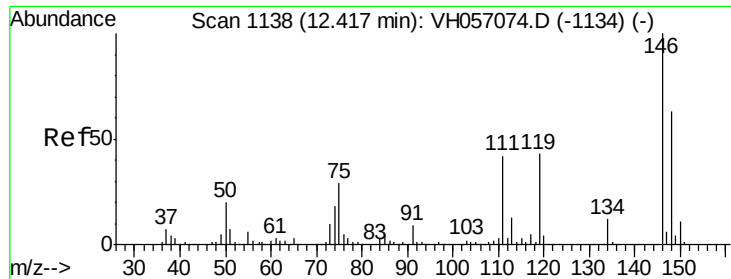
Tgt Ion:105 Resp: 1018066
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 51.41 ug/l
 RT: 12.39 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion:119 Resp: 819703
 Ion Ratio Lower Upper
 119 100
 134 24.4 13.0 38.9
 91 22.5 12.5 37.5

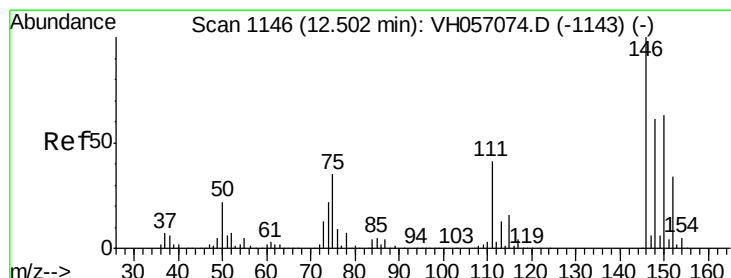
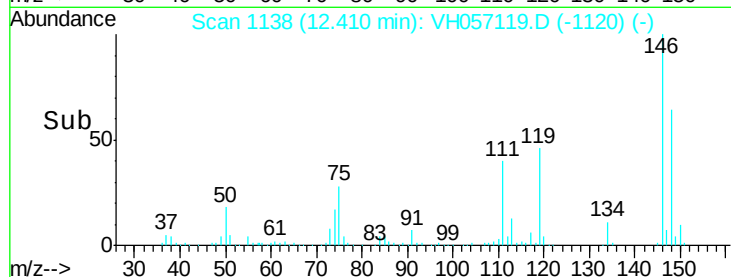
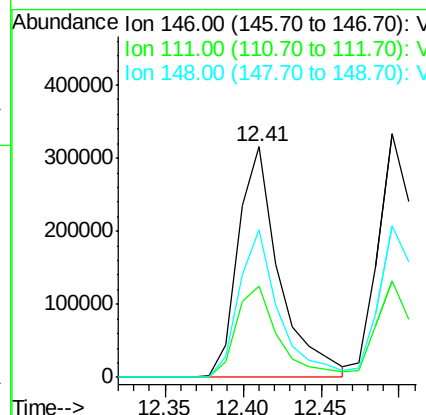
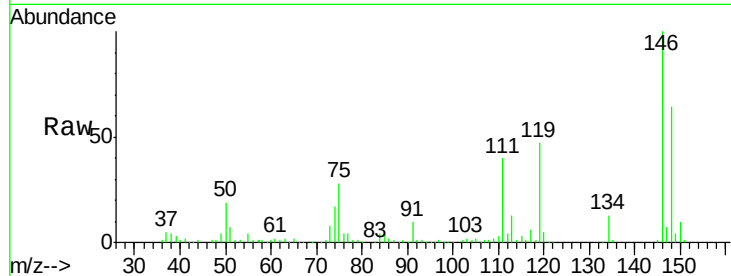




#87
 1,3-Dichlorobenzene
 Concen: 53.27 ug/l
 RT: 12.41 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

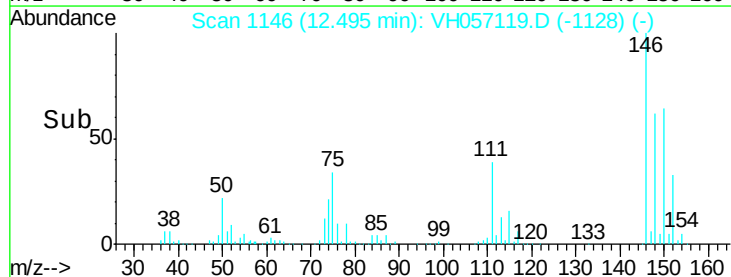
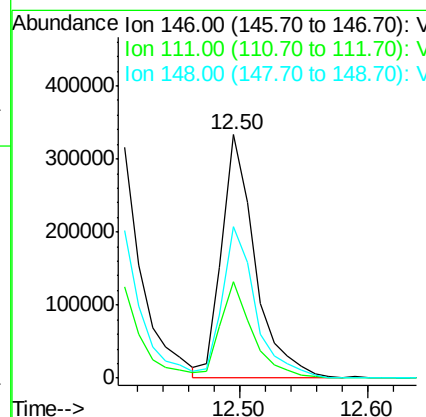
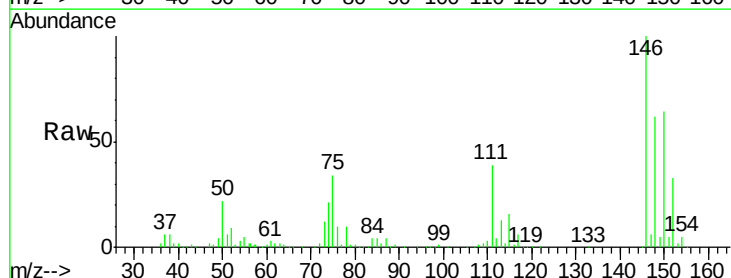
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

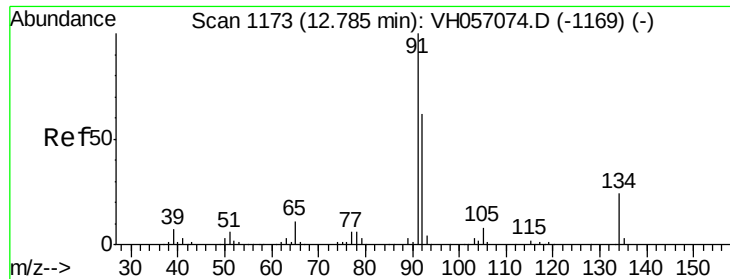
Tgt Ion:146 Resp: 575871
 Ion Ratio Lower Upper
 146 100
 111 39.7 21.0 63.0
 148 64.1 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 54.10 ug/l
 RT: 12.50 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion:146 Resp: 605586
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.8 59.3
 148 62.1 30.3 90.9

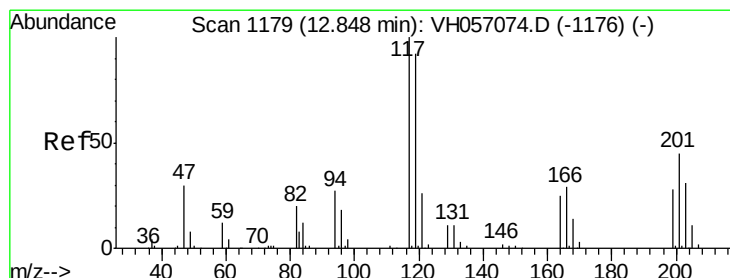
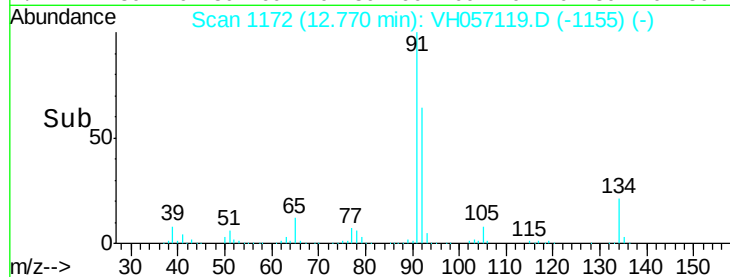
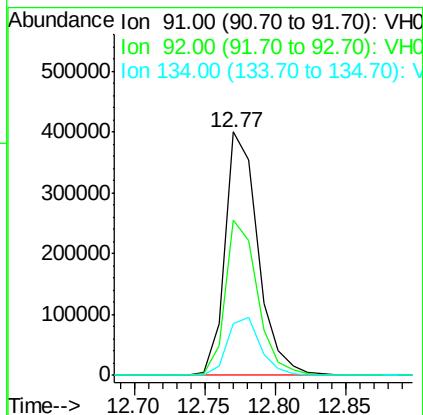
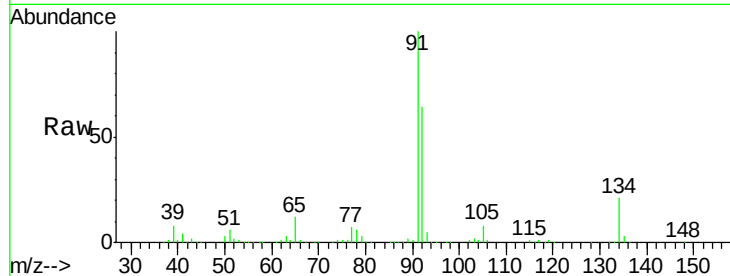




#89
n-Butylbenzene
Concen: 51.03 ug/l
RT: 12.77 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

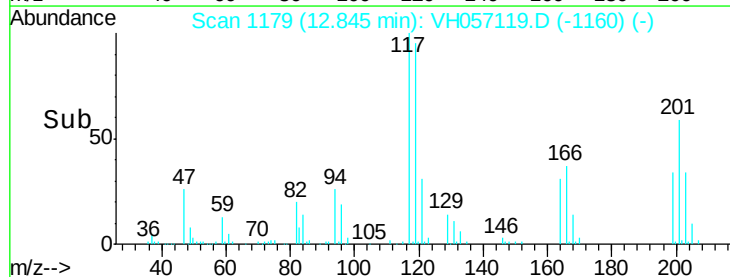
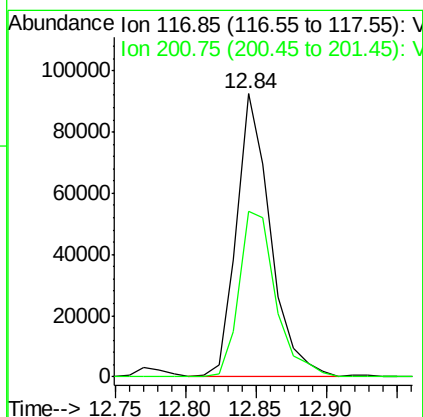
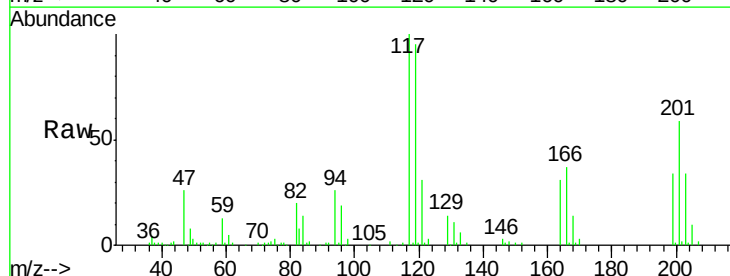
Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

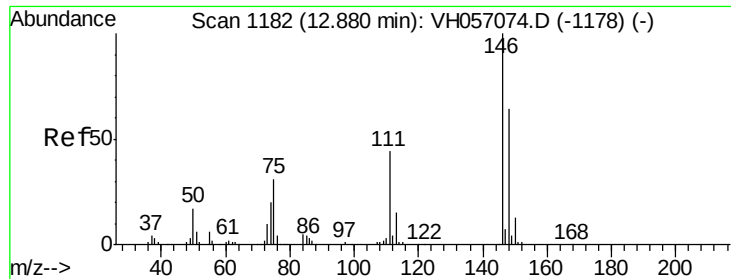
Tgt Ion: 91 Resp: 650391
Ion Ratio Lower Upper
91 100
92 63.6 31.3 93.9
134 21.3 10.5 31.6



#90
Hexachloroethane
Concen: 46.53 ug/l
RT: 12.84 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion: 117 Resp: 157039
Ion Ratio Lower Upper
117 100
201 58.6 14.0 80.8

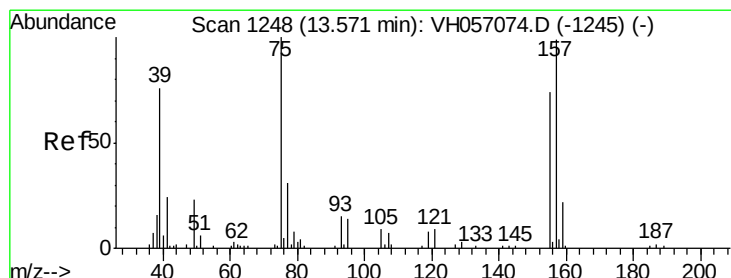
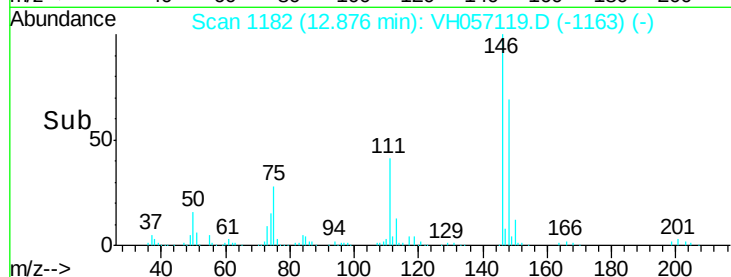
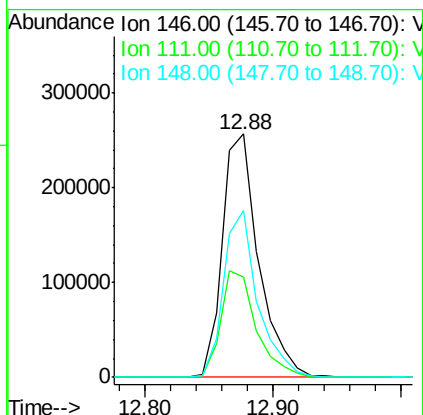
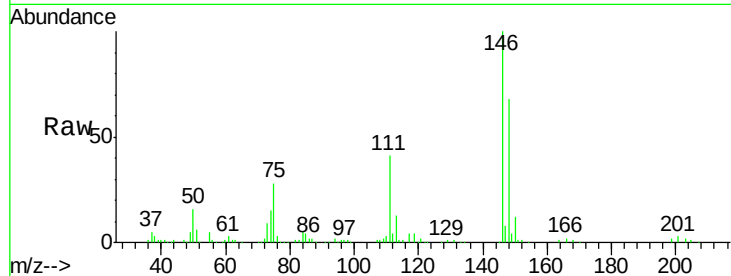




#91
 1,2-Dichlorobenzene
 Concen: 52.54 ug/l
 RT: 12.88 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

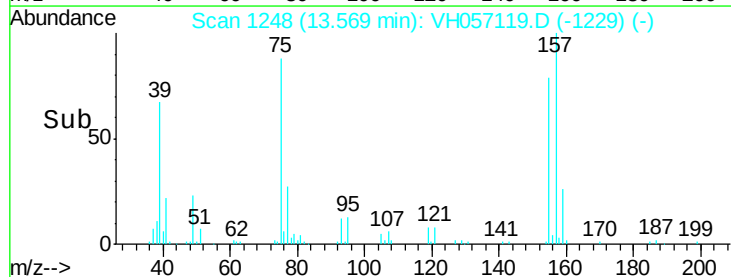
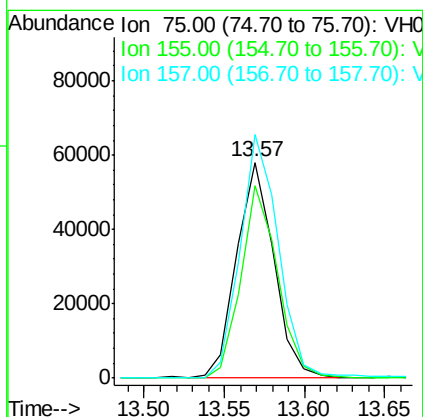
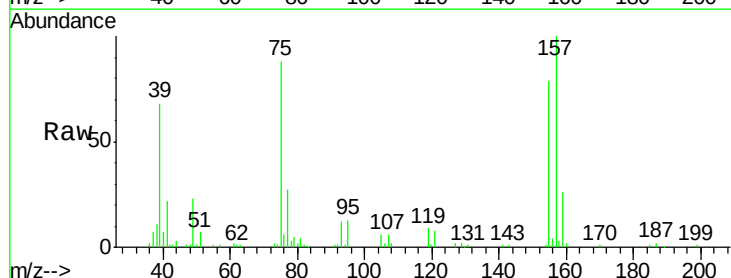
Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

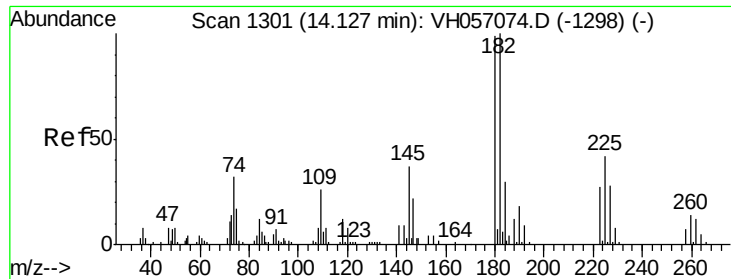
Tgt Ion: 146 Resp: 511734
 Ion Ratio Lower Upper
 146 100
 111 41.0 22.1 66.1
 148 68.4 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.16 ug/l
 RT: 13.57 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion: 75 Resp: 93861
 Ion Ratio Lower Upper
 75 100
 155 89.5 43.4 130.2
 157 113.0 62.8 188.4

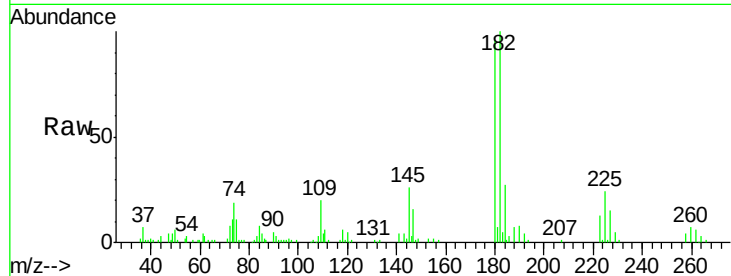




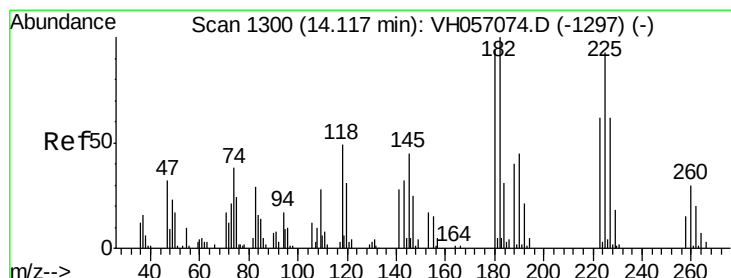
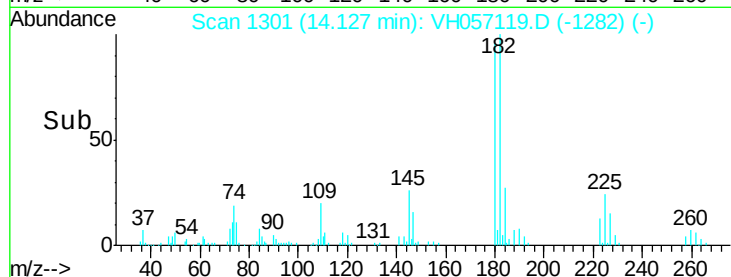
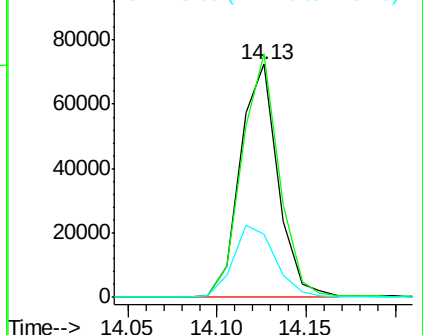
#93
 1,2,4-Trichlorobenzene
 Concen: 49.15 ug/l
 RT: 14.13 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 107174
 Ion Ratio Lower Upper
 180 100
 182 104.4 43.0 129.2
 145 27.3 17.3 52.0

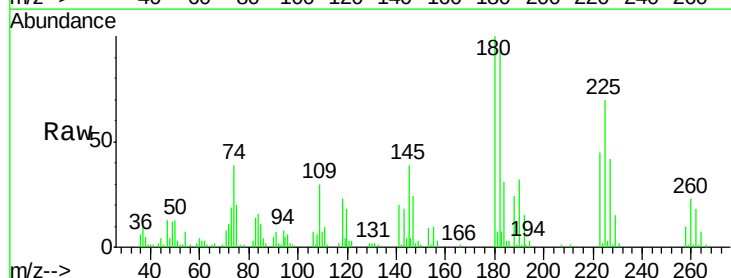


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

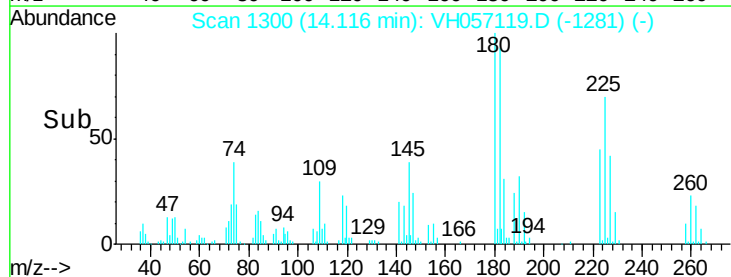
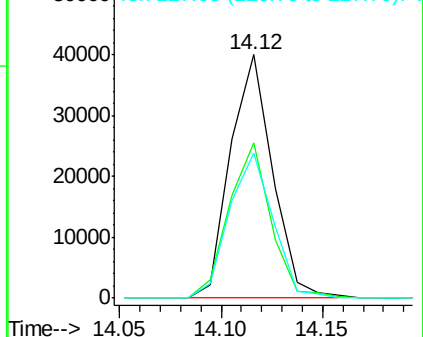


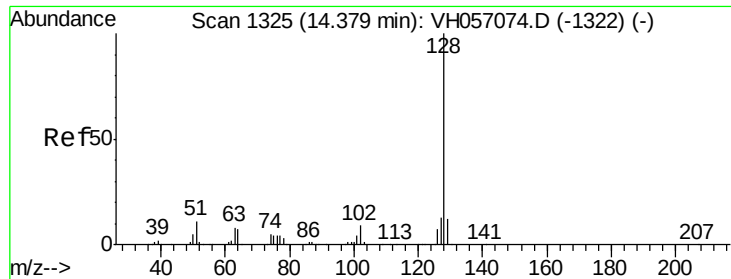
#94
 Hexachlorobutadiene
 Concen: 56.49 ug/l
 RT: 14.12 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VH057119.D
 Acq: 22 Sep 2015 22:27

Tgt Ion:225 Resp: 56927
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.3 90.8
 227 59.8 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

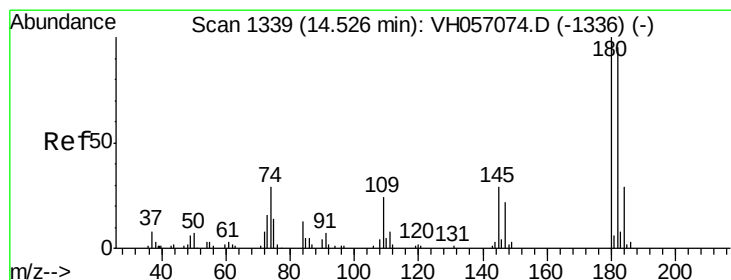
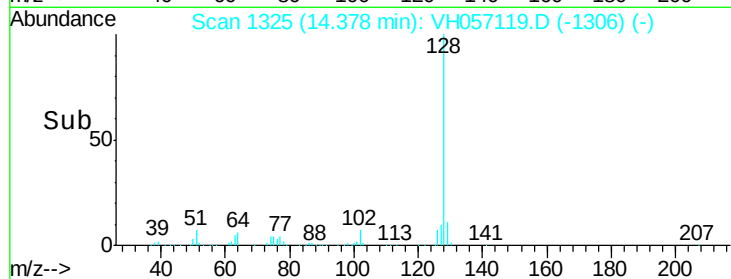
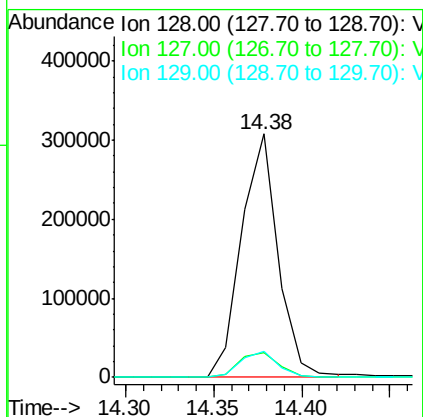
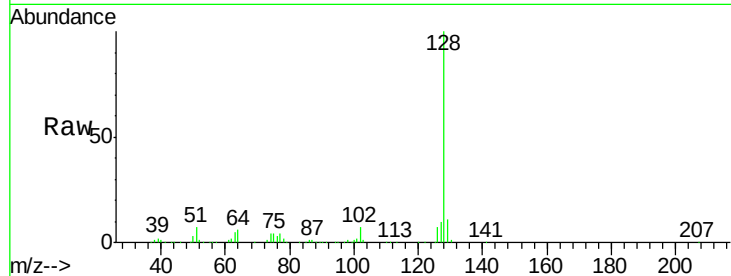




#95
Naphthalene
Concen: 49.93 ug/l
RT: 14.38 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Instrument :
MSVOA_H
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 442102
Ion Ratio Lower Upper
128 100
127 10.4 9.6 14.4
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.33 ug/l
RT: 14.53 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VH057119.D
Acq: 22 Sep 2015 22:27

Tgt Ion:180 Resp: 75127
Ion Ratio Lower Upper
180 100
182 101.6 47.1 141.3
145 33.9 12.5 37.5

